FINAL

MIAMI-DADE WATER AND SEWER DEPARTMENT - CENTRAL DISTRICT WASTEWATER TREATMENT PLANT

Aquifer Exemption Application

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PREPARED FOR

MIAMI-DADE COUNTY WATER AND SEWER

Miami-Dade County Water and Sewer

13 AUGUST 2020

BLACK & VEATCH

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Certification

Professional Engineer

The engineering features of the Substantial Aquifer Exemption Request for the Miami-Dade Water and Sewer Department, August 13, 2020 were prepared by, or reviewed by, a Licensed Professional Engineer in the State of Florida.

Joseraique Cueto, P.E.

8/21/2020

Date

78522

License No.

Professional Geologist

The geological evaluation and interpretations contained in the Substantial Aquifer Exemption Request for the Miami-Dade Water and Sewer Department, August 13, 2020 were prepared by, or reviewed by, a Licensed Professional Geologist in the State of Florida.

Virginia Walsh, P.G.

8/21/2020

Date

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License No.

LIST OF ABBREVIATIONS

AADF	annual average daily flow
AOR	area of review
APPZ	Avon Park Permeable Zone
AWT	advanced wastewater treatment
BA	Biscayne Aquifer
BHCS	borehole compensated sonic
bls	below land surface
BZ	Boulder Zone
CDWWTP	Central District Wastewater Treatment Plant
CP	Compliance Plan
EPA	Environmental Protection Agency
FAS	Floridan Aquifer System
FDEP	Florida Department of Environmental Protection
FS	Florida Statutes
ft/sec	feet per second
HLD	high level disinfection
IW	Injection Wells
LFA	Lower Floridan aquifer
MGD	million gallons per day
MW	Monitoring Well
NDWWTP	North District Wastewater Treatment Plant
OD	outside diameter
OOL	Ocean Outfall Legislation
PCUR	population per capita use rate
SFWMD	South Florida Water Management District
td	total depth
TDS	Total Dissolved Solids
UFA	Upper Floridan aquifer
USDW	Underground Source of Drinking Water
USGS	United States Geological Survey
WASD	Miami-Dade Water and Sewer Department
WUP	Water Use Permit

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Executive Summary

Miami-Dade Water and Sewer Department (WASD) owns and operates the Central District Wastewater Treatment Plant (CDWWTP) (25°45'10.18" N, 80°09'01.41" W) located on Virginia Key, City of Miami, Florida. The CDWWTP, shown in **Exhibit 1**, has a design capacity of 143 million gallons per day (MGD) with an annual average daily flow (AADF) of 110 MGD for 2017. The expected AADF by the year 2035 is anticipated to be 143 MGD, as referenced in the WASD Ocean Outfall Compliance Plan Update (Jacobs, 2019).

In 2008, as approved by the Florida Legislature and later amended in 2013, the Governor of the State of Florida signed a law known as the Ocean Outfall Legislation (OOL). This law requires all wastewater utilities in southeast Florida utilizing ocean outfalls for disposal of treated wastewater to begin reducing nutrient discharges by 2018, reuse 60 percent (60%) of baseline period wastewater flows by 2025, and limit use of outfalls by managing peak outfall discharges not to exceed 5% of the annual baseline flows. A key component of the OOL Compliance Plan (CP), developed by WASD to limit the use of ocean outfalls, involves diverting flows to Class I Injection Wells (IWs). This is an FDEP (Florida Department of Environmental Protection) permitted strategy which WASD has already successfully utilized at the North District Wastewater Treatment Plant (NDWWTP).

On December 22, 2005, a Program-Revision to the Federal UIC Requirements for Class I Municipal Disposal Wells in Florida was mandated to treat municipal wastestreams with high level disinfection treatment prior to disposal. WASD is requesting an aquifer exemption of the Floridan Aquifer System (FAS) over a 3-mile radius extending from the perimeter of CDWWTP to remove the High-Level Disinfection treatment requirement, and to dispose of secondary treated effluent in the Boulder Zone of the Lower Floridan aquifer (LFA) which is currently being discharged through the ocean outfall. This request includes reclassifying the Upper Floridan aquifer (UFA) from a G-II groundwater to a G-III groundwater as defined by FAC 62-520-410 (1) and 62-520.430(2) based on not having a sustainable raw water supply source nor future plans to build brackish raw water supply wells within the requested area of exemption.

This application meets fulfillment of the Regulatory Criteria (A and C) 40 CFR 146.4 for the following Major/Substantial aquifer exemption at the Miami-Dade WASD CDWWTP:

<u>Criteria (a):</u> It does not currently serve as a source of drinking water.

- To inject secondary treated effluent at a depth of approximately 2,800 feet bls into the Boulder Zone in the LFA that is classified as a non-Underground Source of Drinking Water (USDW).
- Geologic and hydrogeologic data for southeast Florida depicts that even if upward migration were to occur, groundwater flow direction - based on modeling results - trends in an east to southeast direction away from the coastline towards the Florida Straits.
- An investigation was completed by the United States Geological Survey (USGS) on the survival rate for bacterial (E. coli) and pathogens (enteroviruses and cryptosporidium) related to fecal coliform in bacteria. Based on the *E. coli* inactivation rates derived from exposure to two different zones within the Floridan Aquifer, the predicted time it would take for the 2,600 *E. coli*/100 mL in the injectate to be reduced to non-detectable concentrations (i.e., < 1.0 CFU/100 mL) would range between 0.2-13.7 days. Based on enteroviruses

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inactivation rates are applicable to the groundwater in the Florian Aquifer, enterovirus in the injectate would be reduced to < 1.0 PFU/100 L in between 307.9-5,790.6 hours (12.8-241.3 days). Based on cryptosporidium inactivation rates applicable to the groundwater in the Floridan Aquifer, cryptosporidium in the injectate would be reduced to < 1.0 oocysts/100 L in between and 578.5-69,364.4 hours (24.1-2890.2 days).

- There is no potable water supply source above or below within the 3-mile radius where the secondary treated effluent will be injected.

Criteria (b): Not required.

Criteria (c): The total dissolved solids content of the ground water is more than 3,000 and less than 10,000 mg/l and it is not reasonably expected to supply a public water system.

- The Base of the USDW at CDWWTP is identified at approximately 1,325 feet bls and water quality above the injection zone within the 3-mile radius is not less than 3,000 mg/L total dissolved solids (TDS).
- The interval from approximately 690 feet to 1,325 feet bls has TDS concentrations from 3,000 mg/L to slightly greater than 7,000 mg/L with concentrations above and below this interval exceeding 10,000 mg/L. This interval also has no confinement above and below where it exceeds 10,000 mg/L.
- Existing and future water supply in the Virginia Key area and Miami-Dade County are and will be supplied by existing WASD and other county Utility facilities. The aquifer exemption area lies within the salt water intrusion area of the surficial Biscayne Aquifer (BA). There are no plans for any utility to construct a water supply facility in the aquifer exemption area.

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Permit Application and Documentation Format

The information required in EPA under the code of Federal Regulations 40 CFR § 146.4 *Criteria for Exempted Aquifers* and FDEP FAC No. 62-528.300(3) *Identification of and Criteria of Exempted Aquifers* has been divided into the following information sections:

Section 1 - Project Purpose and Regulatory Background

Section 2 - Regulatory Criteria 40 CFR 146.4

- **Criteria (a) -** Does not currently serve as a source of drinking water
- **Criteria (b) -** Not applicable for this exemption request
- **Criteria (c) -** Demonstration that the aquifer or portion thereof has TDS more than 3,000 and less than 10,000 mg/L and it is not reasonably expected to supply a public water system

The aquifer exemption application is contained in Section 1 and 2 and addresses the specific information requested in EPA 40 CFR § 146.4 and FDEP FAC No. 62-528.300(3). An introduction to the project that discusses an overall summary of how the wells will be constructed and tested is included in Section 1. The responses and supporting documentation to regulatory criteria 40 CFR 146.5 are included in Section 2. The data to support the responses to Section 2 for Criteria (a) and (c) are included in the Appendices. All project well schematics and figures are included in the Exhibits at the end of each write-up.

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Section 1.0 Project Purpose and Regulatory Background

WASD owns and operates the CDWWTP (25°45'10.18" N, 80°09'01.41" W) located on Virginia Key, City of Miami, Florida. The CDWWTP, shown in **Exhibit 1**, has an AADF of 110 MGD for 2017, with an expected AADF of 143 MGD by the year 2035 as referenced in the WASD OOL CP Update (Jacobs, 2019).

In 2008 Senate Bill 1302 was signed into law related to wastewater disposal/ocean outfalls (Section 403.086(9), Florida Statutes [F.S.]). This law requires all southeast Florida utilities utilizing ocean outfalls for disposal of treated wastewater to eliminate the normal use of ocean outfalls by the end of 2025 and to reduce nutrient discharges by implementing advanced wastewater treatment (AWT) by 2018 or equivalent, and to convert to reuse 60 percent (60%) of the wastewater flows by 2025. On June 24, 2013, the statute was amended to provide greater flexibility to meet reuse requirements and to allow the use of the ocean outfalls for peak flows management, not to exceed five percent (5%) of the annual baseline flows. These revisions to the F.S. Title XXIX, Section 403.086 in 2008 and 2013 (Chapters 2008-232 and 2013-31, respectively) are referred to as the OOL.

WASD'S wastewater system currently has two wastewater treatment plants (WWTPs) that utilize ocean outfalls as a means to dispose the treated effluent. Per the OOL, WASD is required to eliminate the normal use of the North District Wastewater Treatment Plant (NDWWTP) and CDWWTP ocean outfalls, except under certain defined conditions.

To meet the equivalent AWT goal for outfall discharges prior to the end of 2025, WASD has selected to divert nutrient discharges from the ocean outfalls prior to 2025. Two industrial IWs, as shown on **Exhibit 2**, at CDWWTP (CDIIW-1 and CDIIW-2) have been constructed and have been placed into operational testing in February 2020. These wells accept the discharge of in-plant waste streams from secondary treated effluent, the air scrubber wastewater, sludge dewatering centrate, and landfill leachate from an adjacent facility (WASD, 2013).

Another key component of the OOL CP is to limit the use of the ocean outfalls by diverting flows to Class I municipal IWs. To accommodate the anticipated 143 MGD, seven (7) IWs are currently under construction (notice to proceed issued September 2019), and two (2) additional IWs are currently being permitted at the CDWWTP as shown on **Exhibit 2**. The IWs are being constructed for a total maximum design high level disinfection (HLD) wastewater disposal capacity of 167.85 MGD at a maximum flow rate of 10 feet per second (ft/sec) in the final casing with one redundant well. The designed disposal capacity for each municipal injection well is 18.65 MGD.

The proposed CDWWTP municipal IWs (CDIW-3 through CDIW-11) and associated monitoring wells (MW) (CDMW-2 through CDMW-6) are designed and will be constructed in accordance with Chapter 62-528 of the Florida Administrative Code (F.A.C.) with a nominal 24-inch outside diameter (OD) seamless final steel casing for the municipal IWs and a nominal 6.625-inch OD fiberglass reinforced plastic (FRP) tubing for the MWs' lower zones.

The permitted Class I Municipal IWs are designed with a nominal 34-inch OD intermediate steel casing that will be installed and fully cemented to an approximate depth of 1,700 feet below land surface (bls). A nominal 24-inch OD seamless final steel injection casing will be installed to approximately 2,650 feet bls, inside the 34-inch OD intermediate steel casing. The annulus between

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the intermediate steel casing and final steel casing will be cemented from total depth (TD) of the final steel injection casing to land surface.

Five (5) Floridan aquifer MWs will be constructed to monitor groundwater quality and hydraulic head in multiple monitoring zones. The proposed MWs will be located centrally to the proposed IWs. The proposed MWs (CDMW-2 through CDMW-6) will be constructed similar to existing MW-CDIDZMW-1. The monitoring zone depths are determined by 1) the base of the USDW and 2) primary confining units above the injection zone (BZ). Given the base of the USDW was confirmed at an approximate depth of 1,325 feet bls during the recent well construction and testing of the industrial IWs, the UMZ is proposed from 1,125 feet to 1,175 feet bls and will provide groundwater monitoring immediately above the base of the USDW. The LMZ is proposed from 1,600 feet to 1,650 feet bls, above the principal confining units for the purpose of early detection of upward wastewater migration from the BZ (should it occur). The location of the nine (9) proposed municipal IWs and five (5) MWs are shown in Exhibit 3.

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Section 2.0 Regulatory Criteria 40 CFR 146.4

As part of this aquifer exemption application, WASD in accordance with Regulatory Criteria 40 CFR 146.4 will meet criteria 146.4(a) and 146.4 (c). All supplemental information will be provided as attachments in the appendices. The Aquifer being requested for exemption is the Floridan Aquifer System (FAS) to dispose of secondary treated effluent into the Boulder Zone of LFA at a depth of approximately 2,830 feet to 3,200 feet below land surface (bls). The area of the FAS to be exempted around the perimeter of CDWWTP is 28.26 square miles or a 3-mile radius, as shown on **Exhibit 1**. A detailed explanation of this area to be exempted is provided as part of this exemption request. WASD, upon approval of the aquifer exemption, would inject secondary treated effluent into the BZ.

1. Criteria (a): Does not currently serve as a source of drinking water

    - The FAS is located approximately at 1,032 feet bls, continues to 5,140 feet bls, and consists of four permeable zones: the UFA, the Avon Park Permeable Zone (APPZ), the LFA, and the BZ; none of which are considered a useable source of drinking water within the exempted area. At CDWWTP, a zone of groundwater from approximately 690 feet to 1,365 feet bls was composed of TDS concentrations ranging from 3,000 mg/L to slightly greater than 7,000 mg/L (which is classified as a G-II groundwater as defined by FAC 62-520-410 (1)). However, the groundwater above and below this zone, which consists of no discernable confining formations, consists of TDS concentrations greater than 10,000 mg/L (which is defined as a G-III groundwater as defined by FAC 62-520-410 (1)). Based on this data, it is recommended that the zone of G-II groundwater within the exempted area requested be reclassified as a G-III groundwater.

    - A detailed background of the regional, Miami-Dade County, and CDWWTP geology, hydrogeology, and water quality are provided in **Appendix A** as supplemental information. The FAS, which includes the BZ, is separated from the more commonly used source of drinking water, the surficial BA, by the Hawthorn Group, an Intermediate Confining Unit which provides upwards of 800 feet of vertical confinement from the FAS as shown on **Exhibit 3**. Additionally, within the FAS, the BZ is hydraulically separated from the APPZ and UFA by confining and semi-confining units at the CDWWTP as discussed in **Appendix A** and **Appendix B**.

    - The UFA is used as a source of water within Miami-Dade, Broward, and Monroe Counites, as depicted in **Exhibit 4**. Any public water supply entities near CDWWTP within a 12.0-mile area of review (AOR) were identified, representing 50 years of injection at CDWWTP. Refer to **Appendix C** for additional discussion. To determine the extent to which the FAS would need to be exempted pathogen inactivation and groundwater flow direction was considered, refer to **Appendix D** and **Appendix E** for additional information.

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- From **Appendix D**, an investigation was completed by the USGS on the survival rate for bacterial (E. coli) and pathogens (enteroviruses and cryptosporidium) related to fecal coliform in bacteria was also completed. Based on the *E. coli* inactivation rates derived from exposure to two different zones within the Floridan Aquifer, the predicted time it would take for the 2,600 *E. coli*/100 mL in the injectate to be reduced to non-detectable concentrations (i.e., < 1.0 CFU/100 mL) would range between 0.2-13.7 days. Based on enteroviruses inactivation rates applicable to the groundwater in the Florian Aquifer, enterovirus in the injectate would be reduced to < 1.0 PFU/100 L in between 307.9-5,790.6 hours (12.8-241.3 days). Based on cryptosporidium inactivation rates applicable to the groundwater in the Floridan Aquifer, cryptosporidium in the injectate would be reduced to < 1.0 oocysts/100 L in between and 578.5-69,364.4 hours (24.1-2890.2 days).

- WASD evaluated groundwater flow direction, and it was determined that groundwater flowed west to east as shown on **Exhibit 5**. Refer to **Appendix E** for additional information. The requested exempted area of the FAS around CDWWTP is 28.33 square miles or a 3-mile radius. Refer to **Exhibit 6** for additional information. As shown on **Exhibit 1,** there are currently no UFA water supply wells serving as a source of water within the requested exempted area.

- The current TDS within the exempted portion of the UFA aquifer is equal to or greater than 3,000 milligrams per liter (mg/L) as shown in **Exhibit 7** and **Exhibit 8**. WASD has completed numerical variable density groundwater modeling, demonstrating that 50-year projected TDS values within the exempted portion of the UFA continues to increase as shown in **Exhibit 5.** Refer to **Appendix E** for additional information.

2. Criteria (b), Is not required for this aquifer exemption request

3. Criteria (c), Demonstration that the aquifer or portion thereof has TDS of more than 3,000 and less than 10,000 mg/L and it is not reasonably expected to supply a public water system

    - To be considered an USDW, it must (1) Contain a sufficient quantity of ground water to supply a public water supply system; (2) Contain less than 10,000 mg/L of TDS. WASD, upon approval of the FAS exemption, would inject secondary treated effluent into the BZ (which is not considered a USDW, due in part to TDS being greater than 30,000 mg/L at CDWWTP). The UFA within the exemption area is classified as a G-II groundwater, but a recommendation is requested to reclassify this zone to a G-III groundwater. As stated in Criteria A, this is because the groundwater above and

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below this zone consists of no discernable confining formations, and groundwater consists of TDS concentrations greater than 10,000 mg/L (which is defined as a G-III groundwater under as defined by FAC 62-520-410 (1)). Refer to **Appendix E** for additional documentation.

- WASD is permitted through South Florida Water Management District (SFWMD) Water Use Permit (WUP) 13-00017-W, with a 349.5 MGD from the BA and 36.9 MGD from the UFA for a total of 386.1 MGD permitted allocation. The portion of the UFA to be exempted is entirely within WASD water service area or areas that WASD serves as shown on **Exhibit 9.** The area of exemption lies within the Alexander Orr and Hialeah-Preston Water Service Areas, and potable water supply is from WASD wellfields carried through transmission lines to the east. There are no potable water supplies in the aquifer exemption area as the BA is within the salt front that has intruded in this area to the west. Refer to **Exhibit 10** for more documentation.

- WASD and the City of Hialeah currently operate the Hialeah Reverse Osmosis Floridan Aquifer Water Treatment Plant, as shown on **Exhibit 1**, with a permitted UFA allocation of 10 million gallons per day (MGD). The facility has been in operation since 2013 and has seen water quality degradation as a result of pumpage from the UFA. Based on site constraints for construction - a water treatment plant, wellfield, and/or raw water main in addition to the existence of a fully developed transmission and distribution system - construction of an UFA wellfield is not required or planned within the exempted area.

- WASD anticipates an increase in finished water demand to 406.78 MGD by year 2040. Refer to **Appendix F** for additional discussion. WASD is in the process of preparing a WUP modification to the SFWMD that meets the future demands by optimizing use of the wet and dry season BA available water, utilization of existing Aquifer storage and Recovery systems, and investment of 15 MGD into the C-51 Reservoir, a regional water supply project in the south Florida that stores excess flows from the Lake Okeechobee watershed in the C-51 reservoir, and makes this water then available for participating utilities to use. WASD does not intend to meet future demands by expanding UFA wellfields due to unsustainability of the resource and anticipated water quality degradation as illustrated by the Hialeah RO WTP. Per the SFWMD Lower East Coast Water Supply Plan (2018), nearly all public water supply utilities in the LEC Planning Area that use the UFA have had one or more production wells experience degraded water quality. Other south Florida utilities are also investing in the C-51 reservoir as an alternative to utilizing the UFA.

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Section 3.0 Exhibits

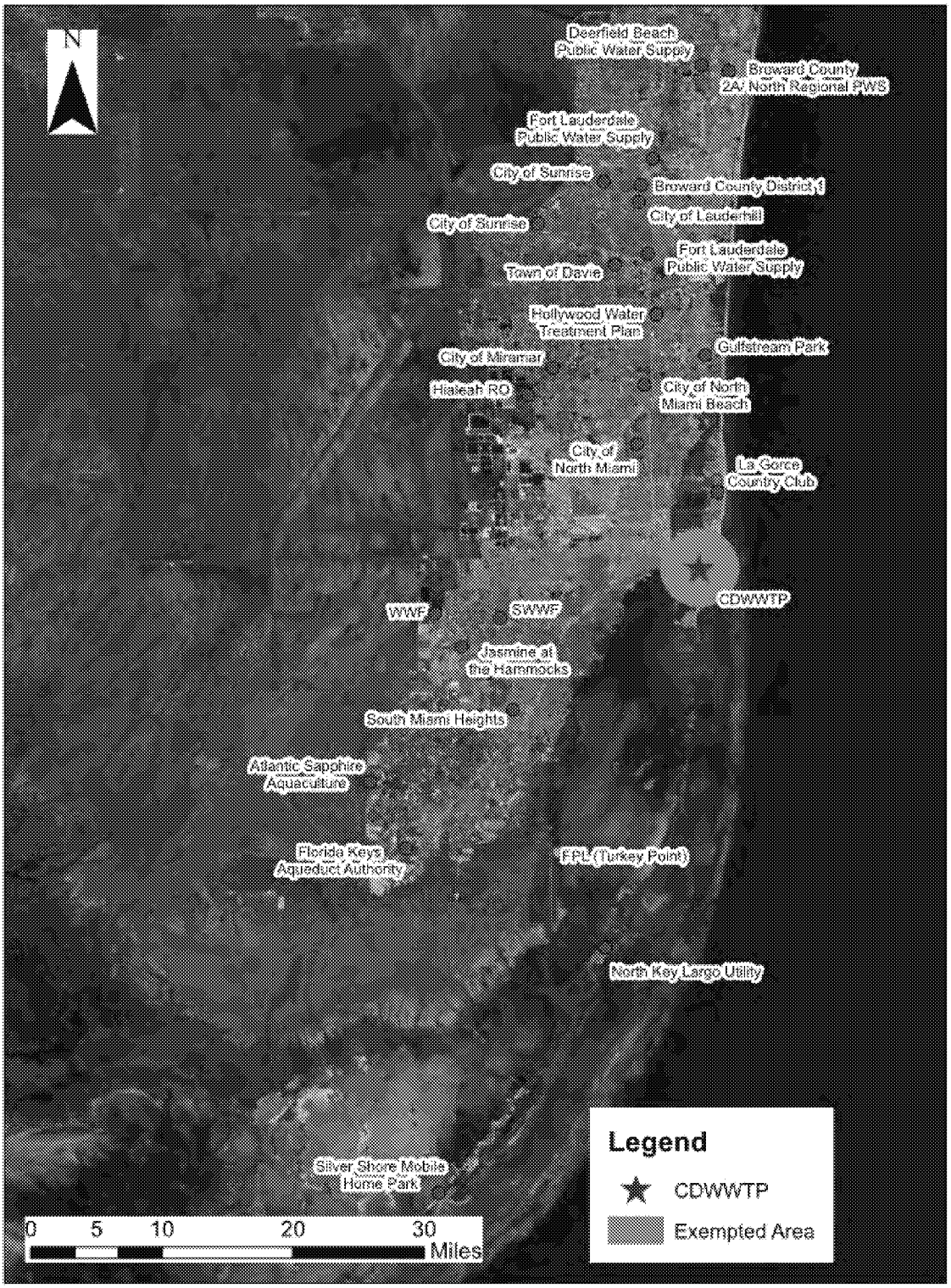

Exhibit 1: Pathogen Die-off and Upper Floridian Aquifer Supply Wells

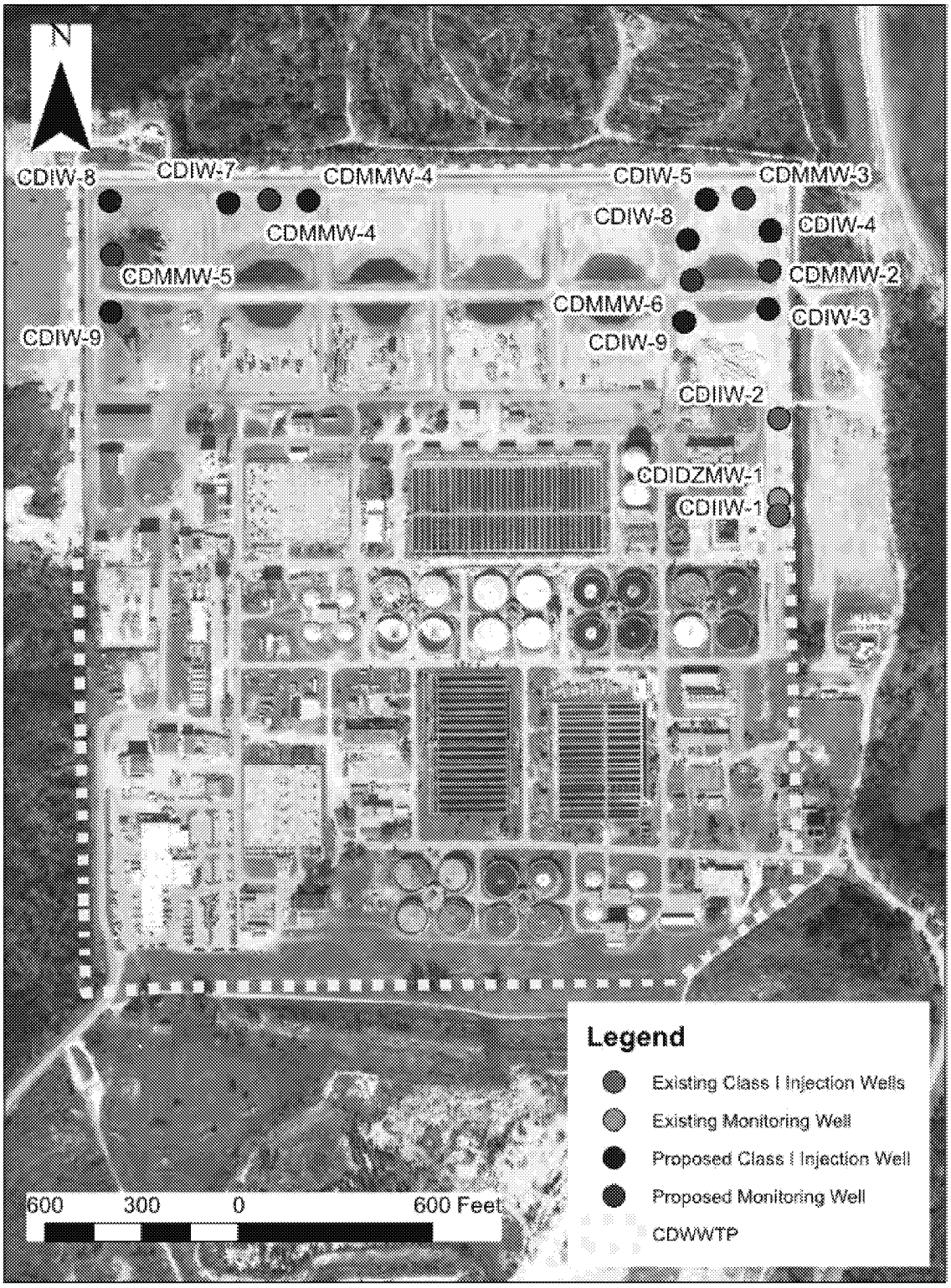

Exhibit 2: CDWWTP Proposed and Existing Wells

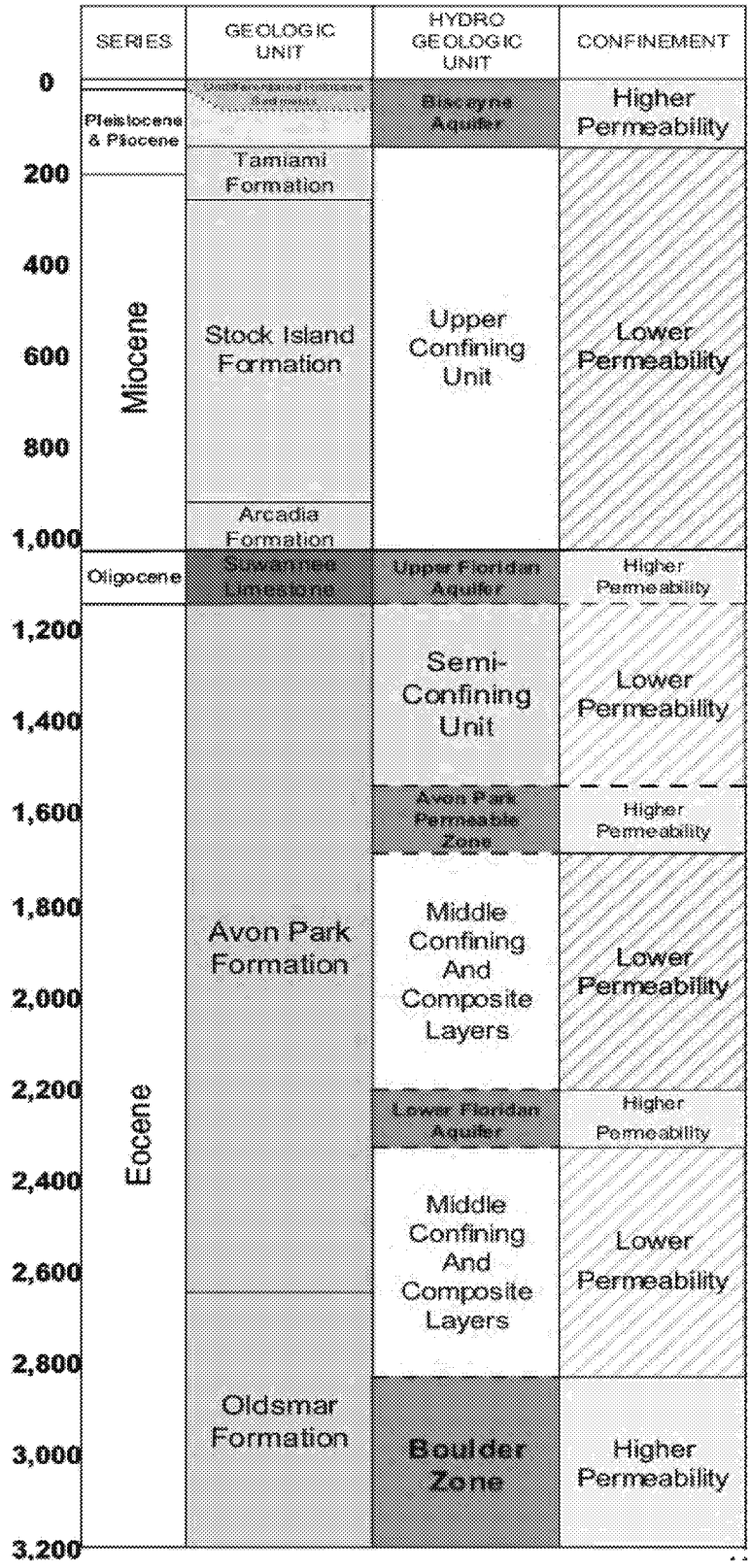

Exhibit 3: Hydrostratigraphic Boundaries in Miami-Dade County

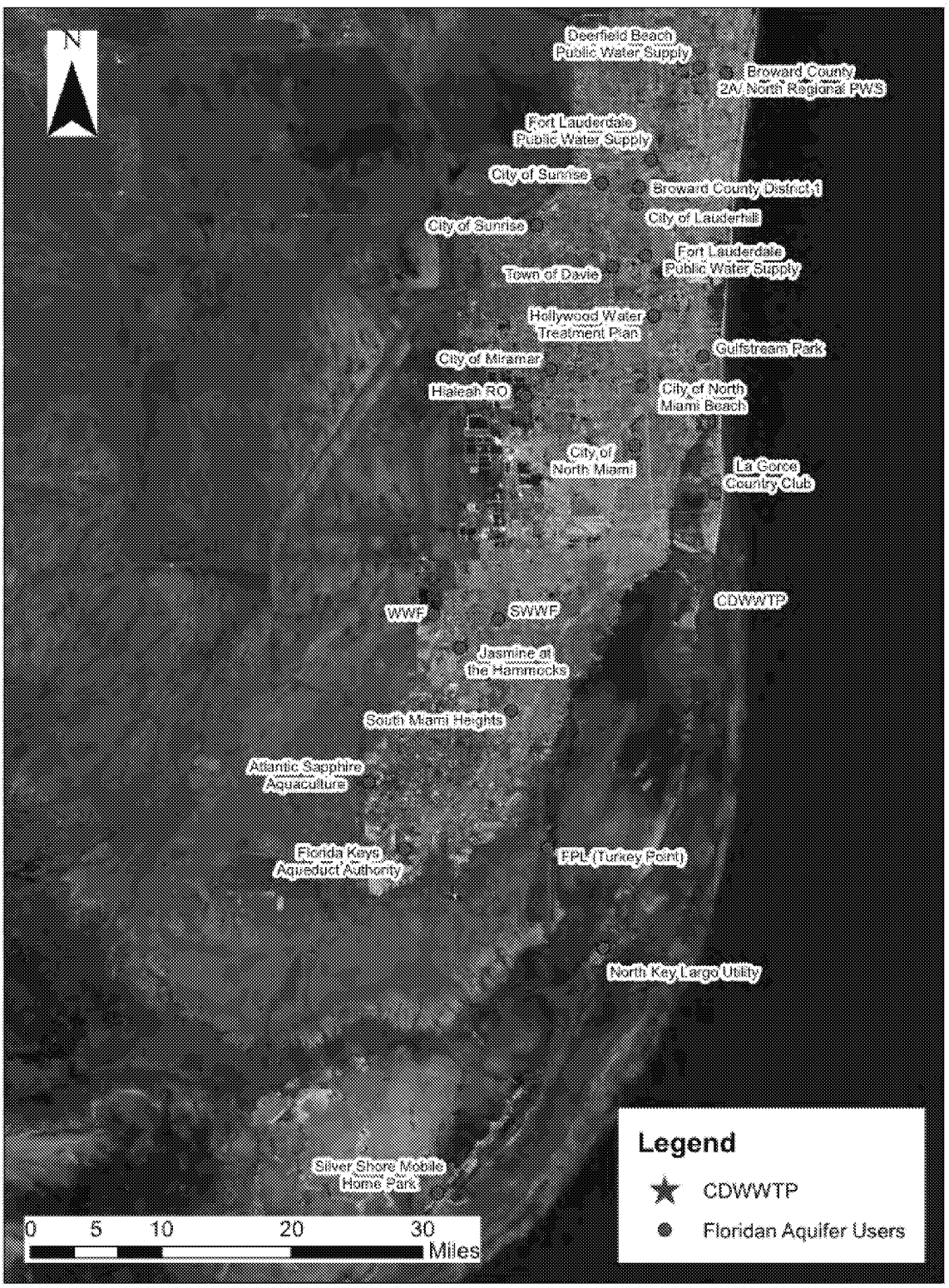

Exhibit 4: Upper Floridian Aquifer Users within Broward, Miami-Dade, and Monroe Counties

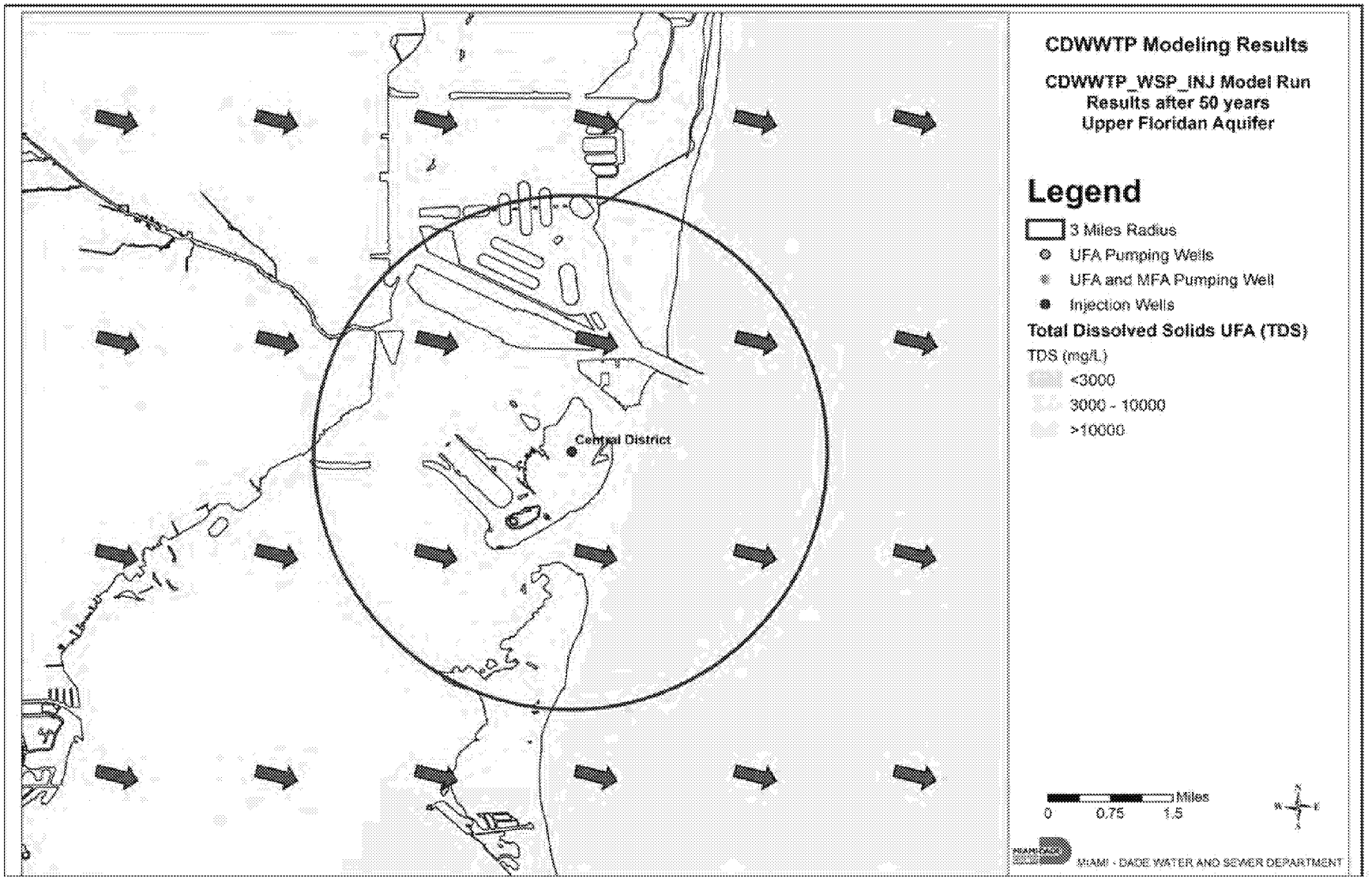

Exhibit 5: Groundwater Flow and Direction and the 3-Mile Exemption Area

Calculation of Pathogen Suvival Radius for CDWWTP

Necessary Assumptions:

Factor	Base Run	Units
Effective Thickness of Injection Zone, D	200	ft
Aquifer Porosity	0.2	unitless
Flow Rate	207.65	MGD
Injection Duration	3	yrs

1. Calculate Water Volume Injected (Vw)
(= flow*duration)

Flow (mgd)	Duration (yrs)	Vw(ft3)
207.65	3.12	31,592,761,523.05

2. Calculate Required Aquifer Volume (Va)
(= water volume/porosity)

Vw(ft3)	Porosity	Va(ft3)
31,592,761,523.05	0.2	157,963,807,615.23

3. Determine Aqufier Area Affected
(= Aquifer Volume/effective aquiferdepth)

Va(ft3)	D(ft)	Aa(ft2)
66,324,181,696.73	200	789,819,038.08

4. Determine Effective radius, Re
(= sqrt(Aa/Pi)

Aa(ft2)	Re (ft)	Re (mi)	Aa(mi2)
789,819,038.08	15,859.85	3.00	28.33

Assuming the injected water flows out in a radial manner, the radius of aquifer exemption radius would extend about 3-miles from CDWWTP.

Exhibit 6: Determination of Floridan Aquifer to be Exempted Based on Pathogen Survival

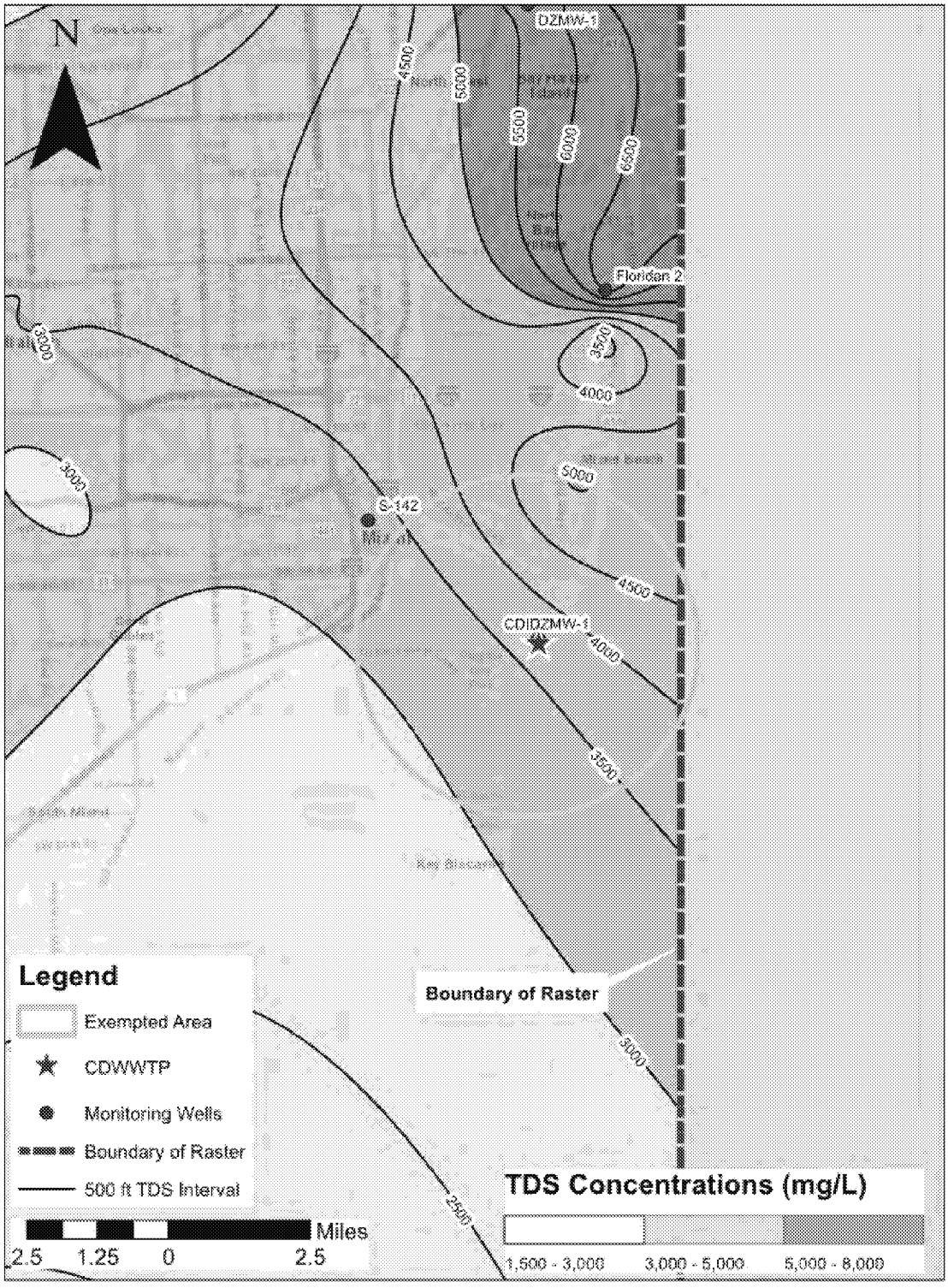

Exhibit 7: Existing TDS Concentration and Exempted Area

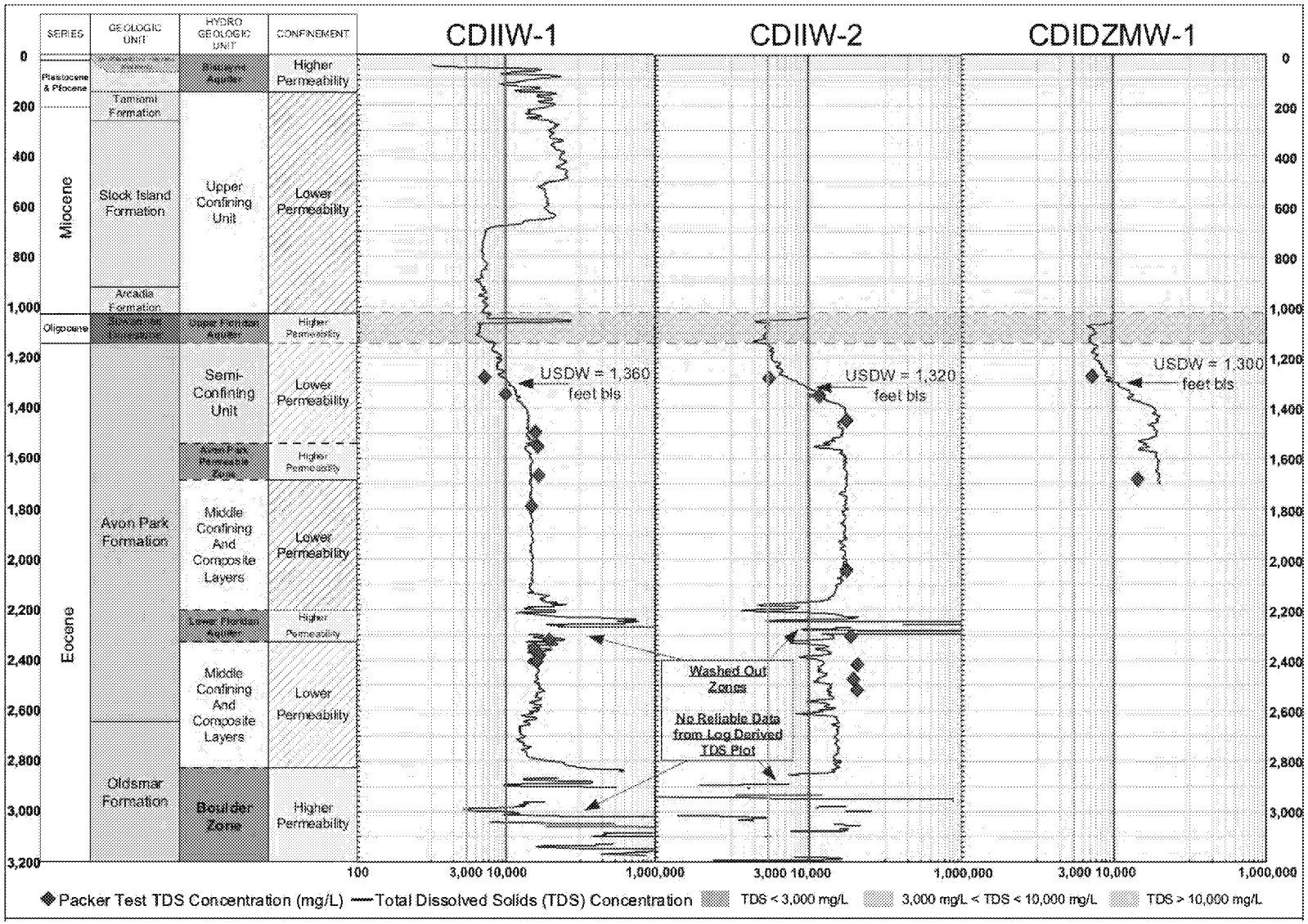

Exhibit 8: TDS Water Quality at CDWWTP

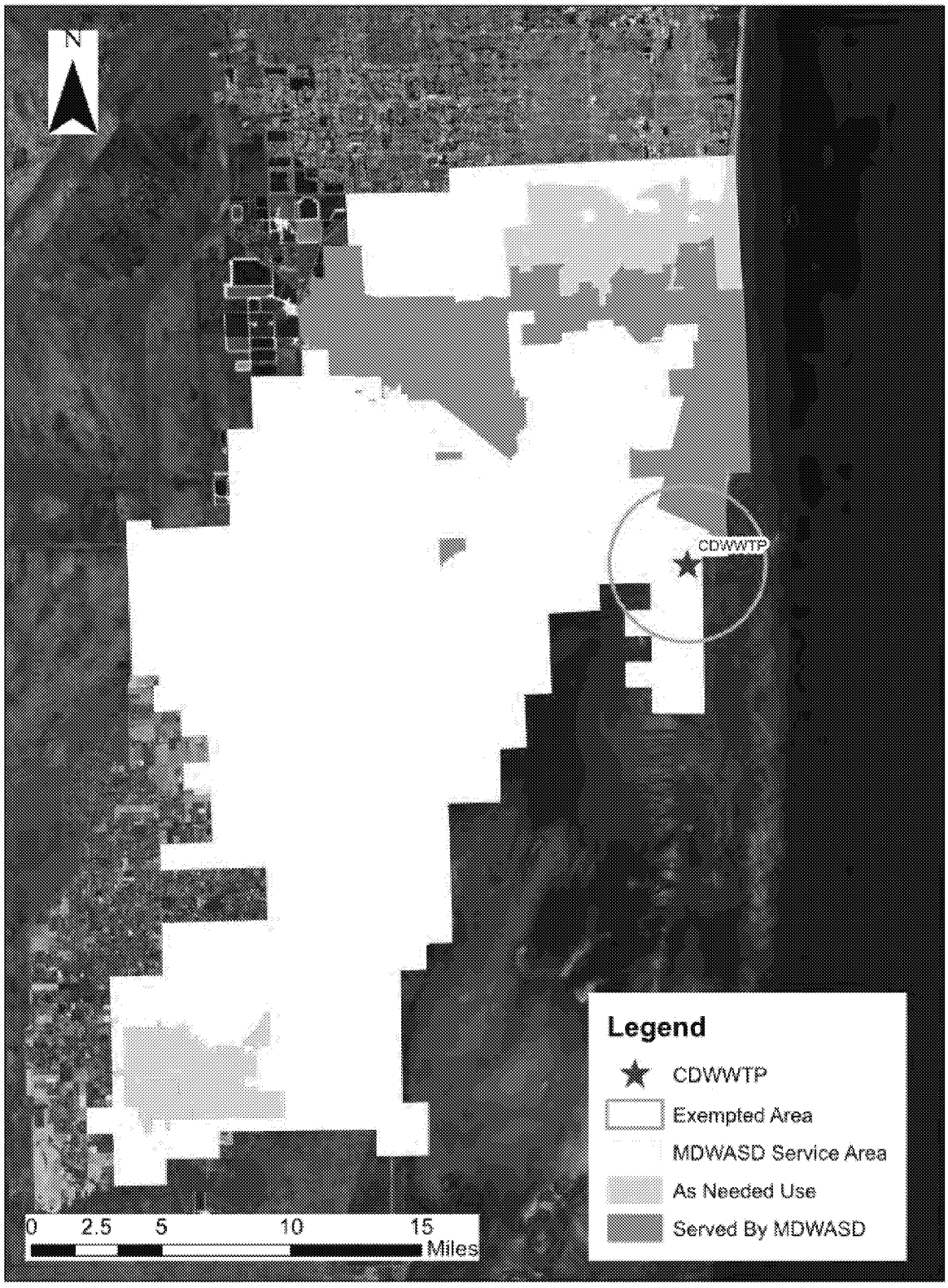

Exhibit 9: WASD Service Area

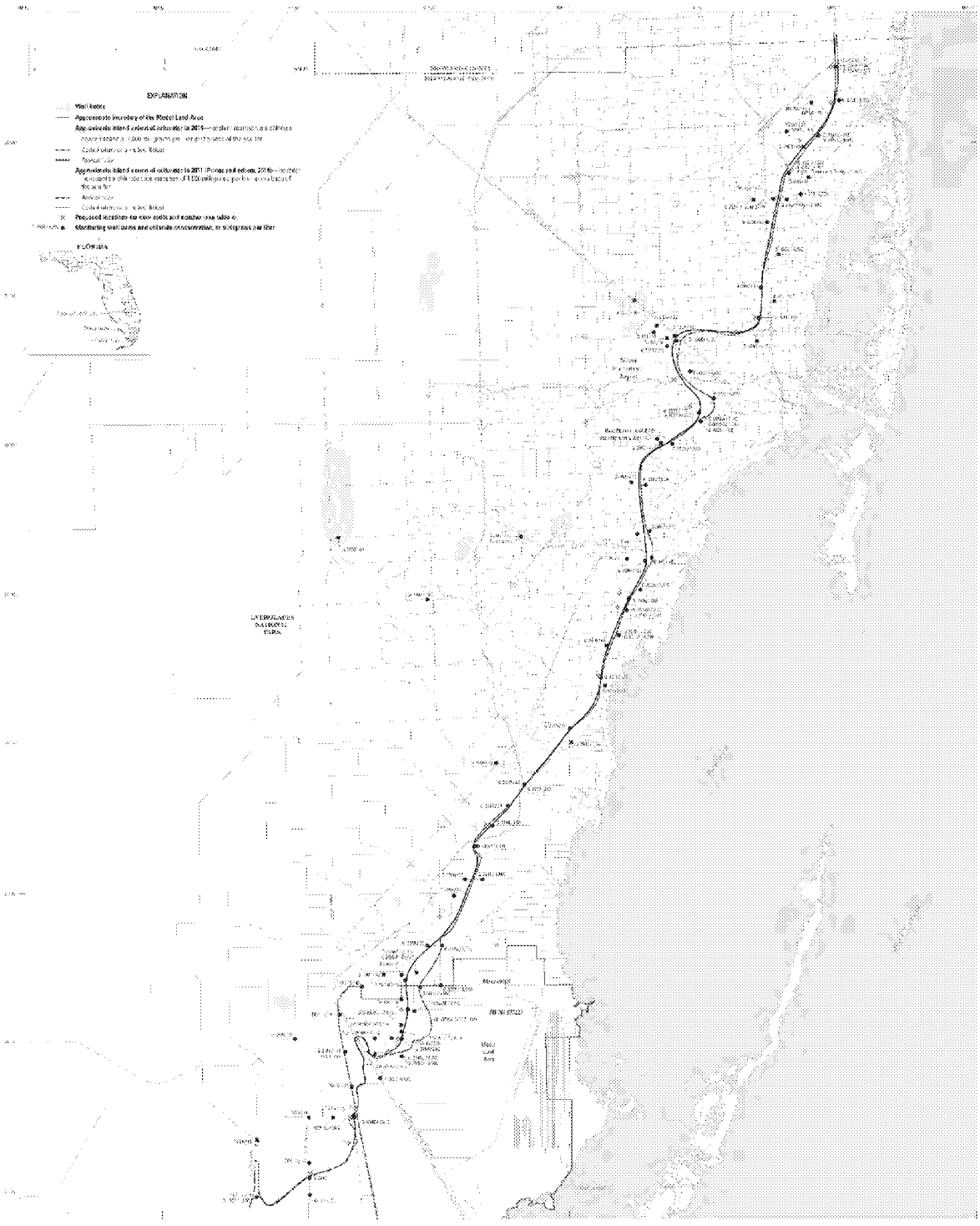

Exhibit 10: Map of the Approximate Inland Extent of Saltwater at the Base of the Biscayne Aquifer in Miami-Dade County, Florida, 2018 (Prinos, 2019)

Section 4.0 References

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Appendix A. Area of Review

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Appendix A. Area of Review Investigation

The CDWWTP IW site is located within the Island of Virginia Key, Miami, Florida. The IW site encompasses an area of approximately 117 acres, dominated by Virginia Key State Park. The site is adjacent to the Virginia Key Landfill in the south and surrounded by the Biscayne Aquatic Preserve and the Atlantic Ocean. There are three existing wells on-site, consisting of two industrial injection wells (IW) (CDIIW-1 and CDIIW-2) and one dual-zone monitoring well (MW) (CDIDZMW-1). It is planned to construct nine additional municipal injection wells with their corresponding five dual zone monitoring wells in the following years.

Table A-1 shows the approximate geographic coordinates for existing and proposed IWs and MWs. The potential IW radius of influence was estimated as a conservative 12-mile radius to illustrate the possible migration zone. This conservative estimate is based on maximum continuous injection rate of 170.35 MGD while the CDWWTP design capacity is 143 MGD. Under this scenario, the injected fluid may travel as far as 63,500 feet (12 miles) over a 50-year injection period (ten permit durations) if the fluid is continuously injected at the maximum continues injection rate. The injectate front calculation assumes a conservative injection zone thickness of 200 feet, based on the designed injection interval, and an effective porosity of 0.20 (dimensionless) based on current FDEP guidance.

Table A-1: Existing/Proposed Injection and Monitoring Well Coordinates

WELL ID	LATITUDE	LONGITUDE
CDIDZMW-1	25.749134	-80.1473496
CDMW-2	25.75081283	-80.14743693
CDMW-3	25.75143022	-80.14767222
CDMW-4	25.75144379	-80.15213838
CDMW-5	25.7509815	-80.15361858
CDIIW-1	25.7487311	-80.14736276
CDIIW-2	25.74955468	-80.14735618
CDIW-3	25.75048339	-80.14745025
CDIW-4	25.75115068	-80.1474241
CDIW-5	25.75142446	-80.14802136

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WELL ID	LATITUDE	LONGITUDE
CDIW-6	25.75143607	-80.15176776
CDIW-7	25.75143104	-80.15252053
CDIW-8	25.75144373	-80.15363638
CDIW-9	25.75049487	-80.15363071
CDIW-10*	25.750796	-80.148019
CDIW-11*	25.750122	-80.148223

* Coordinates are approximate.

1.1 AREA OF REVIEW WELL INVENTORY

As part of this application, a detailed inventory of the wells within the 12-mile Area of Review (AOR) was completed using available federal and state databases such as United States Geological Survey (USGS), South Florida Water Management District (SFWMD), Florida Department of Environmental Protection (FDEP), and Florida Geological Survey (FGS). A total of 11,149 wells were found within the AOR. **Table A-2** shows the results of well inventory and classification based on available databases. Each database has unique well classification based on well categories. This table combines all classifications from available databases. The wells are classified as agricultural, commercial, dewatering, etc.

Table A-1: Well Inventory and Classification

	AGENCY			
Well Category	**USGS**	**SFWMD**	**FDEP**	**FGS**
Agricultural	-	21	-	-
Class I	-	1	19	1
Class V ASR	-	-	-	-
Class V Non-ASR	-	-	9,438	-
Commercial	-	-	-	7

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	AGENCY			
Dewatering	-	-	-	-
Drainage	-	-	-	35
Fire Protection	-	-	-	5
Golf Course	-	38	-	2
Industrial	-	185	-	1
Landscape	-	547	-	-
Monitor	-	2	69	9
Nursery	-	2	-	-
Oil/Gas Production	-	-	-	1
Other	619	-	-	24
Public Water Supply	-	93	-	14
Recreational	-	-	-	7
Self-Supply	-	-	-	6
Stratigraphic Test	-	-	-	3
Total	**619**	**889**	**9,526**	**115**

Well classification varies among databases because each agency focuses on specific information in their database. **Table A-2** and **Table A-3** include all well classifications based on each agency's preference within the 12-mile AOR. For instance, the USGS database only includes wells that were tested for water quality/water levels by the USGS, while SFWMD classified wells in more detail by each well's permit application. It is also important to note that some wells may be part of more than one database, and therefore repeated. For example, the Biscayne Landings IW and Dual-Zone MW are present in more than one database. **Table A-3** summarizes the maximum depth of wells categories in AOR including plugged, abandoned, and proposed wells.

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Table A-2: Summary of Wells' Depth Within Area or Review

	MAXIMUM DEPTH BELOW LAND SURFACE (FEET BLS)			
Well Category	**USGS**	**SFWMD**	**FDEP**	**FGS**
Agricultural	-	50	-	-
Class I	-	3,202	3,300	3,200
Class V ASR	-	-	30	-
Class V Non-ASR	-	-	300	-
Commercial	-	-	-	110
Dewatering	-	-	-	-
Drainage	-	-	-	180
Fire Protection	-	-	-	77
Golf Course	-	950	-	950
Industrial	-	116	-	70
Landscape	-	125	-	-
Monitor	-	1,510	1,700	1,450
Nursery	-	55	-	-
Oil/Gas Production	-	-	-	5,535
Other	3,300	-	-	1,157
Public Water Supply	-	1,250	-	277
Recreational	-	-	-	108
Self-Supply	-	-	-	187

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	MAXIMUM DEPTH BELOW LAND SURFACE (FEET BLS)			
Stratigraphic Test	-	-	-	260
Maximum	**3,300**	**3,202**	**3,300**	**5,535**

1.2 USGS WELL INVENTORY

Wells found in the USGS database lack a distinction based on well type; therefore, we have classified all wells in the USGS database as "Other". Inside the 12-mile AOR, the USGS database contains 619 wells.

These wells range in depth from 5.1 feet to 3,300 feet bls. **Exhibit A-1** illustrates the well's location inside the AOR. From the USGS database, a total of ten wells penetrate the UFA and two wells penetrate the LFA. The wells penetrating the UFA are:

- Well S-990 with a depth of 980 feet bls located approximately 3.73 miles south of the CDWWTP, in Key Biscayne
- Well S-160 with a depth of 1,000 feet bls approximately 5.38 miles north of the CDWWTP, in Miami Beach
- Well G-3062 with a depth of 1,064 feet bls approximately 9.93 miles northwest of the CDWWTP, in Hialeah
- Well S-158 with a depth of 1,066 feet bls approximately 2.85 miles north of the CDWWTP, in Miami Beach
- Well G-3061 with a depth of 1,105 feet bls approximately 9.93 miles northwest of the CDWWTP, in Hialeah
- Well S-142 with a depth of 1,165 feet bls approximately 3.23 miles northwest of the CDWWTP, in Downtown Miami
- Well MIAMI-DADE N1U with a depth of 1,262 feet bls approximately 11.83 miles north of the CDWWTP, at the North District Wastewater Treatment Plant (NDWWTP)
- Well G-3963 with a depth of 1,500 feet bls approximately 11.28 miles north of the CDWWTP, at the Biscayne Landing Well Site
- Well S-157 with a depth of 1,501 feet bls approximately 2.16 miles north of the CDWWTP, in Miami Beach
- Well MIAMI-DADE N1L with a depth of 1,513 feet bls approximately 11.83 miles north of the CDWWTP, at the NDWWTP

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The wells that penetrate the LFA are:

- Well G-3962 with a depth of 3,203 feet bls approximately 11.28 miles north of the CDWWTP, at the Biscayne Landing Well Site
- Well G-3805 with a depth of 3,300 feet bls approximately 11.83 miles north of the CDWWTP, at the NDWWTP

Based on the location and depths of these wells, they are not anticipated to be affected by the 3-mile radius of the Aquifer Exemption.

1.3 SFWMD WELL INVENTORY

According to SFWMD, there are 889 wells inside the AOR. In this database, wells are classified as Agricultural, Class I IW, Golf Course, Industrial, Landscape, MW, Nursery or Public Water Supply. The depth of the wells identified in this database ranges from land surface to 3,202 feet bls. **Exhibit A-2** illustrates the well's location inside the AOR.

From the SFWMD database a total of 15 wells penetrate the UFA and 1 well penetrates the LFA. From the 15 wells that penetrate the UFA, 10 are Public Water Supply (PWS) wells, 3 are Golf Course wells and 2 are MWs, while the well that penetrates the LFA is a Class I Industrial IW. The 10 PWS wells belong to the City of North Miami Water Treatment Plant's Floridan Aquifer wellfield, located 10.03 miles north-northeast of the CDWWTP. These wells reach a maximum depth of 1,250 feet bls. The 3 Golf Course wells are located in the La Gorce Golf Club, 5.55 miles north of the CDWWTP, in Miami Beach. These wells reach a maximum depth of 950 feet bls. The 2 MWs are located at the NDWWTP and the Biscayne Landings IW site, in North Miami. The MW located inside of the NDWWTP, 11.47 miles north of the CDWWTP, reaches a depth of 1,510 feet bls, while the Monitor well located at the Biscayne Landings IW site, 11 miles north of CDWWTP, reaches a depth of 1,498 feet bls. Lastly, the only well to penetrate the LFA is the Biscayne Landings IW, located 11 miles north of the CDWWTP, and reaching a total depth of 3,202 feet bls. Based on the location and depths of these wells, they are not anticipated to be affected by the 3-mile radius of the Aquifer Exemption.

1.4 FGS WELL INVENTORY

In the FGS database, shown in **Exhibit A-3**, 115 wells are documented within the 12-mile AOR for this survey. The 110 wells identified in the AOR were classified as Class I IW, Commercial, Drainage, Fire Protection, Golf Course, Industrial, MW, Oil/Gas Production, PWS, Recreational, Self-Supply, Stratigraphic Test, or Other. The wells identified in the FGS inventory range from 24 feet to 5,535 feet in depth.

From the FGS database, a total of eight wells penetrate the UFA and one well penetrates the LFA. The wells that penetrate the UFA are four MWs, two Golf Course Wells and two wells classified as Other. The four (4) MWs are the following: Well G-101 located 11.24 miles west of the CDWWTP near Westchester, reaching a depth of 812 feet bls; Wells G-3062 and G-3061, located 9.93 miles northwest of the CDWWTP in Hialeah, reaching a depth of 1,064 feet and 1,105 feet bls, respectively; and the Biscayne Landings Dual-Zone MW, located 11 miles north of the CDWWTP in North Miami, reaching a depth of 1,450 feet bls. The 2 Golf Course wells are located at the Indian Creek Country Club, approximately 9 miles north of the CDWWTP in the Bay Harbor Islands, and the La Gorce Golf Course, approximately 5.56 miles north of the CDWWTP in Miami Beach, with a

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depth of 940 feet and 950 feet bls, respectively. The two (2) wells classified as Other are the R.H. Matheson Hurricane Harbor, located approximately 4.27 miles south-southwest of the CDWWTP, in Key Biscayne, with a depth of 977 feet bls, and the Florida Power & Light (FPL) North Miami (USGS S-916) well, located approximately 3.75 miles northwest of the CDWWTP, near Downtown Miami, with a total depth of 1,157. The only well that penetrates the LFA is the Biscayne Landings IW, located approximately 11 miles north of the CDWWTP and reaching a total depth of 3,200 feet bls. Lastly, Well Warwick No. 1, an Oil and Gas Well constructed by the "East Coast Oil & Gas" in 1933 approximately 10.66 miles southwest of the CDWWTP, was drilled through the UFA and LFA and reaches a maximum depth of 5,535 feet bls; this well has reportedly been abandoned. Based on the location and depths of these wells, they are not anticipated to be affected by the 3-mile radius of the Aquifer Exemption.

1.5 FDEP WELL INVENTORY

A total of 9,526 wells were identified within the 12-mile AOR in the FDEP well inventory and are shown in **Exhibit A-4** and **Exhibit A-5.** The wells identified in the AOR were classified as Class I IWs, Class V Non-ASR wells and MWs. The wells identified in this database range from land surface to 3,300 feet bls.

From the FDEP database a total of 12 wells penetrate the UFA, while 19 wells penetrate the LFA. The 12 wells that penetrate the UFA are all MWs; 5 of them are the proposed MWs (CDMW-2 through CDMW-5) to be installed at the CDWWTP to monitor the 7 proposed Municipal IWs. These wells will reach a total depth of approximately 1,700 feet bls, pending construction details. The remaining 7 MWs are located approximately 11 to 11.48 miles north of the CDWWTP, and 6 of them belong to the NDWWTP, with the deepest well reaching 1,510 feet bls, while the remaining well belongs to the Biscayne Landings IW system and reaches a total depth of 1,500 feet bls. The 19 wells that penetrate the LFA are Class I IWs, belonging to the same IW systems that the above-mentioned MWs belong to; 9 Class I IWs are located at the CDWWTP, 9 are located at the NDWWTP, and 1 is located at the Biscayne Landings IW system. The CDWWTP IW system consists of two existing Industrial IWs (CDIIW-1 and CDIIW-2) and seven proposed Municipal IWs (CDIW-3 through CDIW-9), and the deepest well will reach approximately 3,300 feet bls (pending construction details). The two additional IWs planned to be constructed at CDWWTP (CDIW-10 and CDIW-11) are still in the permitting process and have not been included in the FDEP database yet; therefore, they were not part of this inventory. The wells inside the AOR located at the NDWWTP consist of four existing Municipal IWs, (IW-1N through IW-4N), and five proposed Municipal IWs, IW-5N through IW-9N. All Class I IWs located at the NDWWTP reach or are planned to reach a total depth of 3,300 feet bls. The remaining Class I IW is located at the Biscayne Landings IW system and reaches a total depth of 3,203 feet bls. Based on the location and depths of these wells, they are not anticipated to be affected by the 3-mile radius of the Aquifer Exemption.

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Exhibits

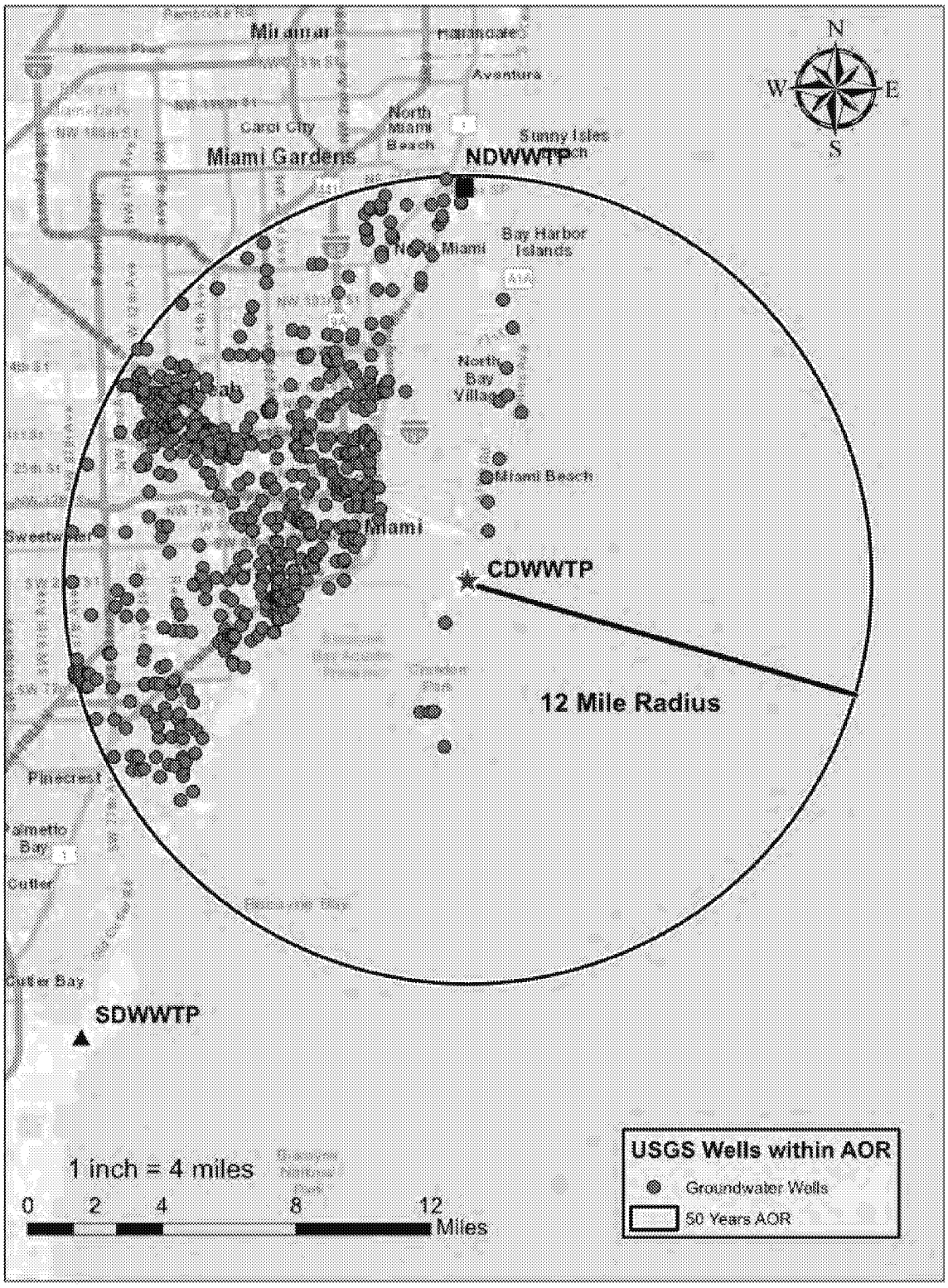

Exhibit A-1: United States Geological Survey Within Area of Review

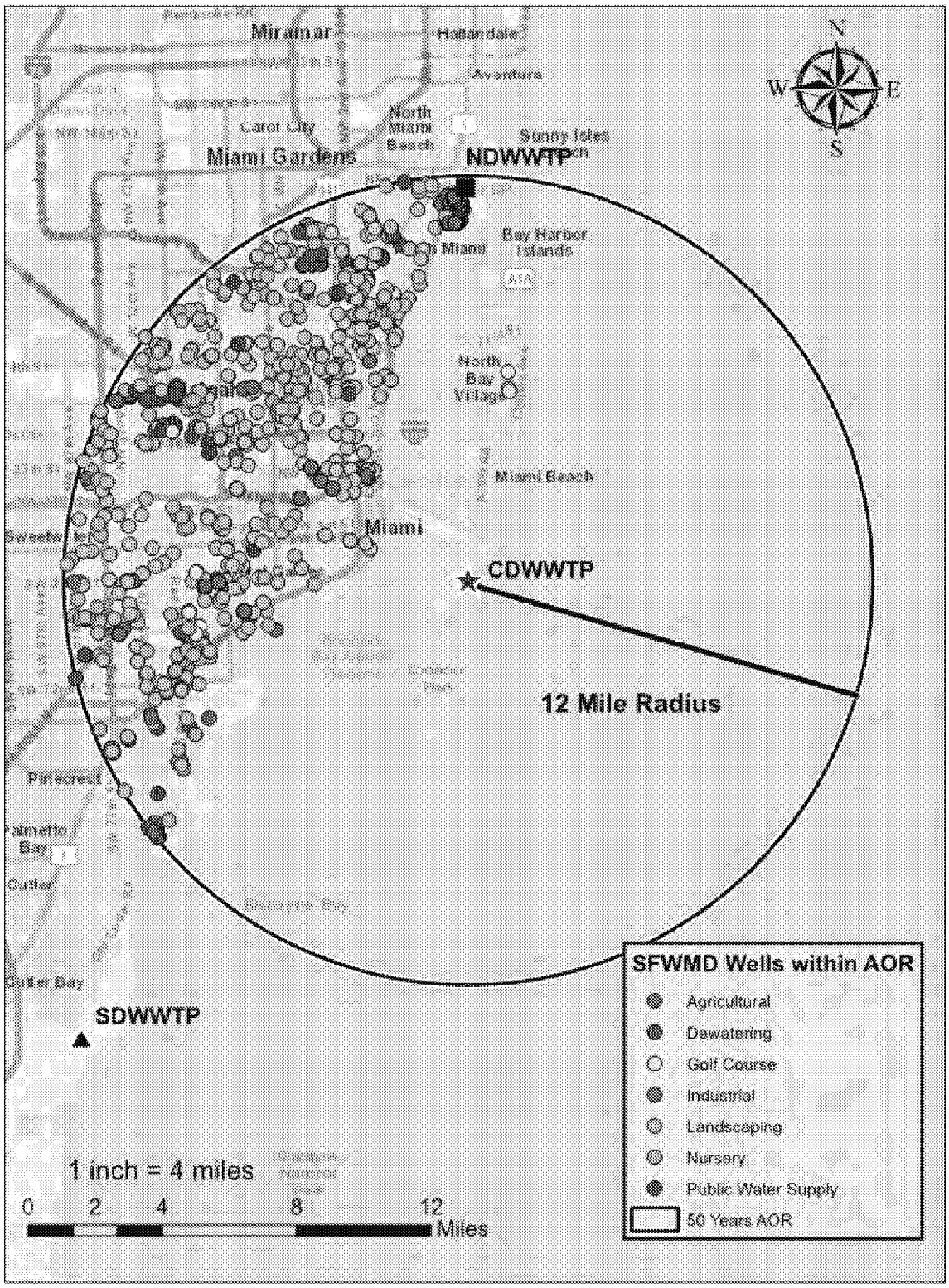

Exhibit A-2: South Florida Water Management District Within Area of Review

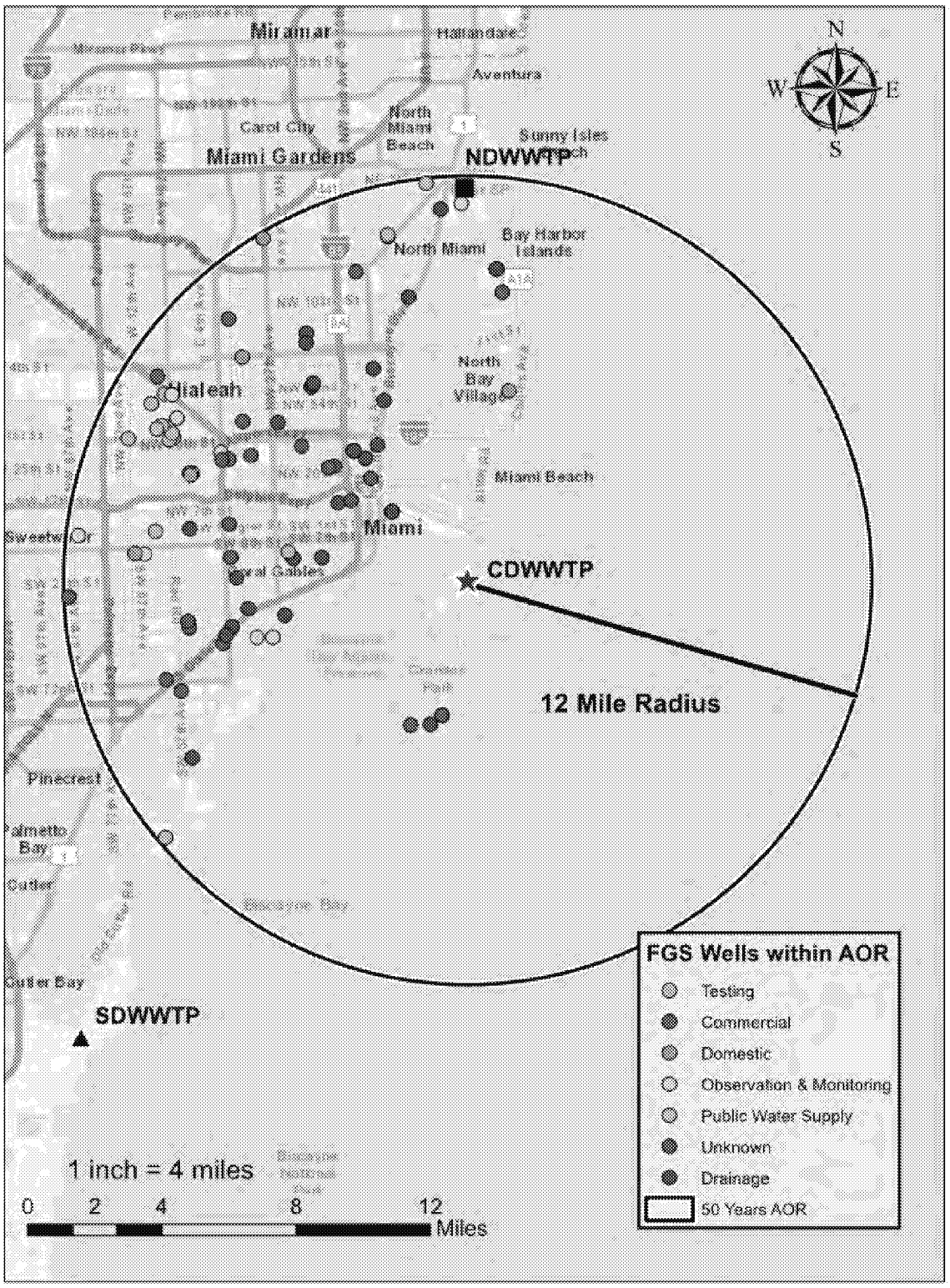

Exhibit A-3: Florida Geological Survey Within Area of Reveiw

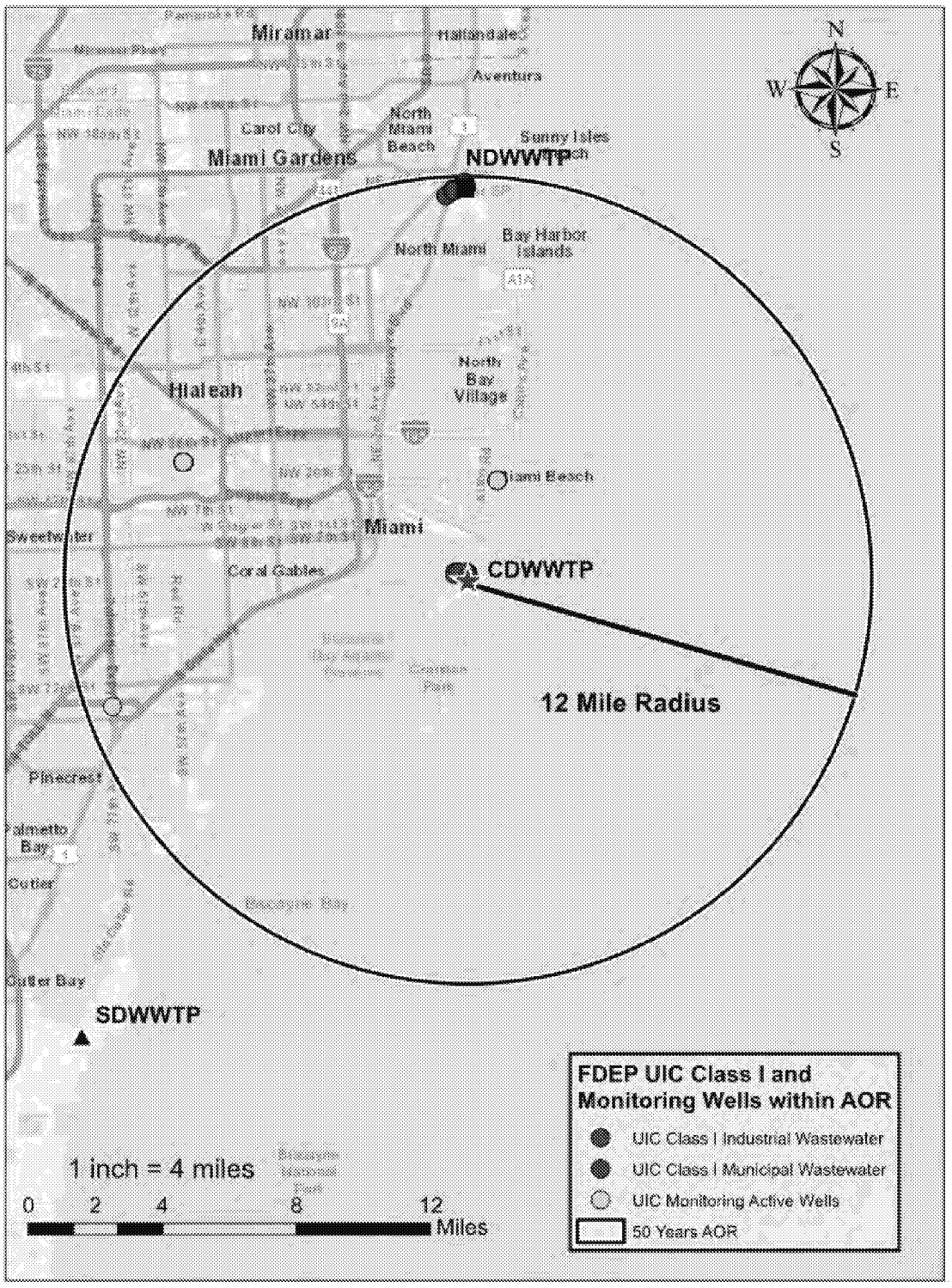

Exhibit A-4: Florida Department of Environmental Protection Class I Injection Wells and Monitoring Wells Within Area of Review

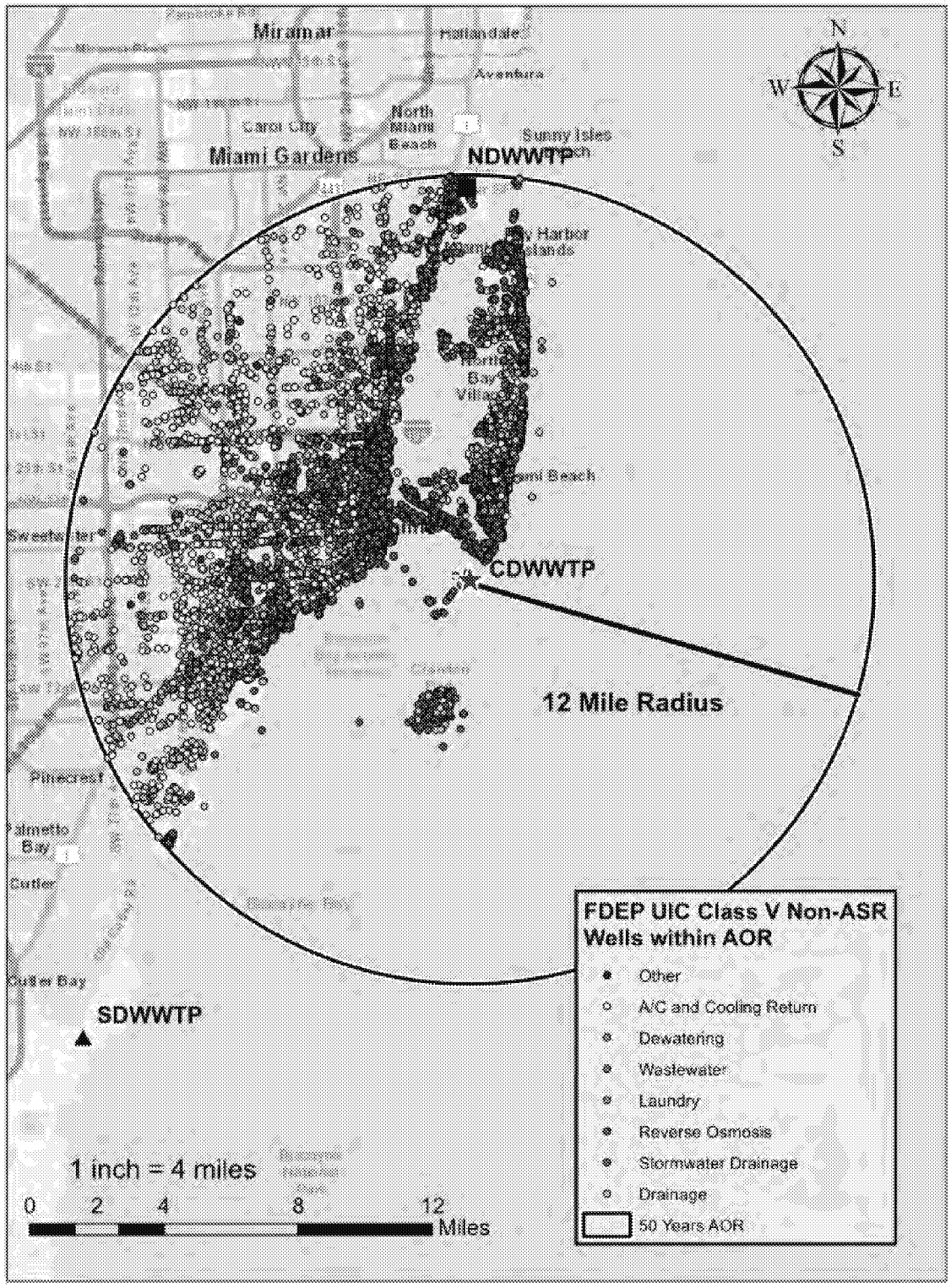

Exhibit A-5: Florida Department of Environmental Protection Class V Non-ASR Wells Within Area of Review

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
1	25.79898746	80.3289406		G -274	USGS	Other		5.1		Biscayne	
2	25.71260061	80.2336605		G -334	USGS	Other		6.4		Biscayne	
3	25.8225976	-80.293384		G -348	USGS	Other		8		Biscayne	
4	25.74926673	80.2278271		G -333	USGS	Other		8.5		Biscayne	
5	25.76926584	80.11726799		G -138A	USGS	Other		8.6	8	Biscayne	
6	25.82731967	-80.3006064		S -22A	USGS	Other		9.3		Biscayne	
7	25.83083333	80.30188889		G -3	USGS	Other		9.5		Biscayne	
8	25.75259993	80.2303269		G -298	USGS	Other		10.1		Biscayne	
9	25.69565759	80.2789399		G -1015	USGS	Other		10.8		Biscayne	
10	25.7034352	-80.301996		F -331	USGS	Other		10.9		Biscayne	
11	25.7484334	80.2242156		G -297	USGS	Other		11.3		Biscayne	
12	25.70371294	-80.2944958		G -1016	USGS	Other		11.5		Biscayne	
13	25.74204474	80.2300491		G -294	USGS	Other		11.7		Biscayne	
14	25.81676446	80.2875506		S -4A	USGS	Other		12		Biscayne	
15	25.8150756	80.2867172		S -1A	USGS	Other		12.1		Biscayne	
16	25.67593583	80.1589339		G -3573	USGS	Other		12.2		Biscayne	
17	25.8295418	80.2956063		S -16A	USGS	Other		12.3		Biscayne	
18	25.82954179	-80.29338399		S -15A	USGS	Other		12.4		Biscayne	
19	25.82954176	80.2836615		G -1168	USGS	Other		12.5		Biscayne	
20	25.70787964	80.3353301		G -1067	USGS	Other		12.7		Biscayne	
21	25.7276008	80.2456054		G -43	USGS	Other		12.8		Biscayne	
22	25.73843377	80.2261605		G -48	USGS	Other		12.8		Biscayne	
23	25.82704188	80.293384		S -17A	USGS	Other		13		Biscayne	
24	25.7131569	-80.2600503		G -41	USGS	Other		13		Biscayne	
25	25.73787823	80.2347716		G -293	USGS	Other		13		Biscayne	
26	25.7398226	80.2314381		G -295	USGS	Other		13		Biscayne	
27	25.74371136	80.2236604		G -296	USGS	Other		13.4		Biscayne	
28	25.81537563	-80.289455		S -3A	USGS	Other		13.7		Biscayne	
29	25.7545443	80.2383527		G -332	USGS	Other		13.8		Biscayne	
30	25.70426845	-80.2881067		F -319A	USGS	Other		13.9		Biscayne	
31	25.74037825	80.2278283		F -309	USGS	Other		13.9		Biscayne	
32	25.68871347	80.2972737		G -1010	USGS	Other		14		Biscayne	
33	25.6906578	80.2914403		G -1013	USGS	Other		14		Biscayne	
34	25.68065816	-80.289218		G -1007	USGS	Other		14		Biscayne	
35	25.6809359	80.285379		G -1006	USGS	Other		14		Biscayne	
36	25.6801026	-80.2839401		G -1005	USGS	Other		14		Biscayne	
37	25.66982517	80.282829		G -1001	USGS	Other		14		Biscayne	
38	25.8098203	80.26866119		S -476	USGS	Other		14.8		Biscayne	
39	25.78009889	-80.1992146		G -147	USGS	Other		14.9		Biscayne	
40	25.82138889	-80.2425		G -3961	USGS	Other		15		Biscayne	
41	25.8215	80.2209444		G -3960	USGS	Other		15		Biscayne	
42	25.7856542	-80.2308823		S -120	USGS	Other		15		Biscayne	
43	25.69093533	-80.1658805		G -865	USGS	Other		15		Biscayne	
44	25.82291667	80.2409722		G -3959	USGS	Other		15	15	Biscayne	
45	25.7279231	80.2633837		G -44	USGS	Other		15.3		Biscayne	
46	25.7539889	80.2739393		F -311	USGS	Other		15.5		Biscayne	
47	25.71787899	80.2636615		G -45	USGS	Other		15.9		Biscayne	
48	25.72176773	-80.260328		G -46	USGS	Other		15.9		Biscayne	
49	25.73148956	80.23754949		G -292	USGS	Other		16.2		Biscayne	
50	25.7353783	80.23921619		G -138A	USGS	Other		16.7		Biscayne	
51	25.74982278	80.2453774		S -426	USGS	Other		16.8		Biscayne	
52	25.83230556	80.2426667		G -3958	USGS	Other		17		Biscayne	
53	25.73982767	80.2600501		F -305	USGS	Other		17.2		Biscayne	
54	25.81063334	-80.1961588		G -112	USGS	Other		17.9		Biscayne	
55	25.74871126	80.2619946		F -304	USGS	Other		18		Biscayne	
56	25.73426764	80.2589391		S -386	USGS	Other		18		Biscayne	
57	25.8928725	80.17032439		S -237	USGS	Other		18		Biscayne	
58	25.88870598	80.1631019		S -288	USGS	Other		18		Biscayne	
59	25.9020388	80.1600462		S -273	USGS	Other		18		Biscayne	
60	25.73315625	80.26360589		F -307	USGS	Other		18.3		Biscayne	
61	25.7607222	80.2898056		G -3570	USGS	Other		18.7		Biscayne	
62	25.83203556	80.2421111		G -3564	USGS	Other		18.8		Biscayne	
63	25.8339722	-80.2555278		G -3562	USGS	Other		19		Biscayne	
64	25.72482319	-80.261717		G -31	USGS	Other		19.3		Biscayne	
65	25.7237121	80.26143919		G -33	USGS	Other		19.5		Biscayne	
66	25.8098611	-80.2876944		G -3466	USGS	Other		19.5		Biscayne	
67	25.72898969	80.2556057		G -47	USGS	Other		19.6		Biscayne	
68	25.7398989	80.264217		G -34	USGS	Other		19.8		Biscayne	
69	25.71093474	80.2544947		G -35	USGS	Other		19.8		Biscayne	
70	25.71454606	80.3342189		G -1070	USGS	Other		20		Biscayne	
71	25.70954624	80.3331078		G -1072	USGS	Other		20		Biscayne	
72	25.70843915	80.3292188		G -1079	USGS	Other		20		Biscayne	
73	25.7170459	80.31810739		S -942	USGS	Other		20		Biscayne	
74	25.70371297	80.3017187		S -935	USGS	Other		20		Biscayne	
75	25.81343119	-80.2686612		S -431	USGS	Other		20		Biscayne	
76	25.72482318	80.25949469		G -30	USGS	Other		20		Biscayne	
77	25.72232323	80.2508834		G -40	USGS	Other		20		Biscayne	
78	25.78813423	-80.2392159		S -121	USGS	Other		20		Biscayne	
79	25.90426096	80.1583795		S -302	USGS	Other		20		Biscayne	
80	25.70510175	80.28810669		F -319	USGS	Other		20		Biscayne	
81	25.91064966	-80.1753249		G -852	USGS	Other		20		Biscayne	
82	25.78648759	-80.223382		S -117	USGS	Other		21		Biscayne	
83	25.7900985	80.1947699		S -136	USGS	Other		21		Biscayne	
84	25.85926268	-80.1935475		S -425	USGS	Other		21		Biscayne	
85	25.82870847	80.2858838		G -572	USGS	Other		21.3		Biscayne	
86	25.66709444	80.30256389		G -580A	USGS	Other		22		Biscayne	
87	25.8242642	-80.2956063		G -573	USGS	Other		22.9		Biscayne	
88	25.7228611	80.2591111		G -3846	USGS	Other		25.4		Biscayne	
89	25.7760878	80.1689364		S -201	USGS	Other		26		Biscayne	

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
90	25.8114722	80.2727778		G 3467	USGS	Other		27.5		Biscayne	
91	25.7195456	80.2636615		704 MILLER RD MIAMI FL	USGS	Other		28		Biscayne	
92	25.84370774	80.2131018		S 374	USGS	Other		28		Biscayne	
93	25.8432996	80.2089369		S 373	USGS	Other		28		Biscayne	
94	25.80663889	80.2975278		G 3465	USGS	Other		28.8		Biscayne	
95	25.81509786	80.2906062		C 1	USGS	Other		30.9		Biscayne	
96	25.70954624	80.3333301		G 1071A	USGS	Other		32		Biscayne	
97	25.7073241	80.3344968		G 1073A	USGS	Other		32		Biscayne	
98	25.70593525	80.3333856		G 1075	USGS	Other		32		Biscayne	
99	25.70588333	80.33333		G 1075A	USGS	Other		32		Biscayne	
100	25.70768333	80.33245		G 1076A	USGS	Other		32		Biscayne	
101	25.70428333	80.3316		G 1078A	USGS	Other		32		Biscayne	
102	25.702602	80.3300522		G 1077A	USGS	Other		32		Biscayne	
103	25.70578333	80.325		G 1080A	USGS	Other		32		Biscayne	
104	25.684547	-80.311163		G 1011A	USGS	Other		32		Biscayne	
105	25.7181568	80.301718		S 944	USGS	Other		32		Biscayne	
106	25.6920467	80.30088489		G 1012A	USGS	Other		32		Biscayne	
107	25.7039907	-80.2969958		G 1016A	USGS	Other		32		Biscayne	
108	25.68538025	80.2958848		G 1009A	USGS	Other		32		Biscayne	
109	25.6803804	80.2953293		G 1008A	USGS	Other		32		Biscayne	
110	25.69315774	80.2925513		G 1014A	USGS	Other		32		Biscayne	
111	25.66813857	80.2861625		G 1003A	USGS	Other		32		Biscayne	
112	25.66649195	80.2819402		G 1004A	USGS	Other		32		Biscayne	
113	25.6693474	-80.2819402		G 1002A	USGS	Other		32		Biscayne	
114	25.6720473	80.2819402		G 1001A	USGS	Other		32		Biscayne	
115	25.6737139	80.2781067		G 1000A	USGS	Other		32		Biscayne	
116	25.78454316	80.1944922		S 71	USGS	Other		32		Biscayne	
117	25.78454316	80.19421439		S 72	USGS	Other		32		Biscayne	
118	25.6887134	80.2864401		G 1532	USGS	Other		33		Biscayne	
119	25.801487	-80.19332549		S 43	USGS	Other		33		Biscayne	
120	25.70287979	80.3252189		S 936	USGS	Other		35		Biscayne	
121	25.7170459	80.3189407		G 1554	USGS	Other		35		Biscayne	
122	25.81259788	80.2681056		S 431	USGS	Other		35		Biscayne	
123	25.78065448	80.2306046		S 119	USGS	Other		35		Biscayne	
124	25.7800989	80.2031036		S 88	USGS	Other		35		Biscayne	
125	25.83509713	-80.28360599		G 1370	USGS	Other		37.6		Biscayne	
126	25.8309306	80.2864394		G 1368	USGS	Other		39		Biscayne	
127	25.8315	80.2863333		G 1368A	USGS	Other		39		Biscayne	
128	25.77398988	-80.260338		S 171	USGS	Other		39.3		Biscayne	
129	25.83676379	80.30421759		G 1373	USGS	Other		39.5		Biscayne	
130	25.82954179	80.29171728		S 25A	USGS	Other		40		Biscayne	
131	25.81509786	-80.2897728		S 18	USGS	Other		40		Biscayne	
132	25.79565387	80.1939366		S 80	USGS	Other		40		Biscayne	
133	25.87592868	80.1686577		S 297	USGS	Other		40		Biscayne	
134	25.9123167	80.1575461		S 299	USGS	Other		40		Biscayne	
135	25.91840833	80.1469583		MIAMI-DADE NBA3	USGS	Other		40	20	Biscayne	
136	25.74676684	80.2783539		F 315	USGS	Other		40.3		Biscayne	
137	25.79454284	-80.2119928		S 200	USGS	Other		40.5		Biscayne	
138	25.8039869	80.2014368		S 84	USGS	Other		40.5		Biscayne	
139	25.80454284	80.193381		S 51	USGS	Other		41		Biscayne	
140	25.820931	-80.29782839		G 1372	USGS	Other		41.5		Biscayne	
141	25.81343128	-80.297273		S 7A	USGS	Other		42		Biscayne	
142	25.82731966	80.2964356		S 20D	USGS	Other		42		Biscayne	
143	25.81670894	-80.2932729		S 58	USGS	Other		42		Biscayne	
144	25.82093099	80.2914395		G 441A	USGS	Other		42		Biscayne	
145	25.89092815	80.1719911		F 374	USGS	Other		43.5		Biscayne	
146	25.83315281	-80.31114		G 3020	USGS	Other		43.9		Biscayne	
147	25.80620904	80.1911587		S 134	USGS	Other		44		Biscayne	
148	25.8878729	80.231716		G 519	USGS	Other		44.3		Biscayne	
149	25.82898625	-80.2906061		S 14b	USGS	Other		44.5		Biscayne	
150	25.8295418	80.2986619		S 188	USGS	Other		45		Biscayne	
151	25.83704148	80.277828		F 266	USGS	Other		45		Biscayne	
152	25.7348278	-80.2558834		S 170	USGS	Other		45		Biscayne	
153	25.79259855	80.2519941		S 38	USGS	Other		45		Biscayne	
154	25.8081535	80.2383825		F 224	USGS	Other		45		Biscayne	
155	25.73510054	-80.2311603		S 147	USGS	Other		45		Biscayne	
156	25.8370415	80.2939395		F 440A	USGS	Other		45.2		Biscayne	
157	25.83176397	80.3047732		S 9A	USGS	Other		45.3		Biscayne	
158	25.8206532	80.2875505		BW	USGS	Other		45.3		Biscayne	
159	25.73815527	80.2200487		D 86	USGS	Other		45.6		Biscayne	
160	25.8331528	80.3094955		G 3019	USGS	Other		46.6		Biscayne	
161	25.81370903	-80.293384		S 88	USGS	Other		47		Biscayne	
162	25.90926086	80.1878249		S 265	USGS	Other		47		Biscayne	
163	25.69093533	80.17032509		D 339	USGS	Other		47		Biscayne	
164	25.84870779	-80.3003286		F 232	USGS	Other		47.3		Biscayne	
165	25.83370827	80.2811614		F 271	USGS	Other		47.7		Biscayne	
166	25.81148684	80.2789362		F 6	USGS	Other		47.7		Biscayne	
167	25.82787515	-80.2811615		F 269	USGS	Other		47.8		Biscayne	
168	25.74871143	80.3058846		F 474	USGS	Other		48		Biscayne	
169	25.71426816	80.3025514		F 473	USGS	Other		48		Biscayne	
170	25.84065248	-80.284217		G 1371	USGS	Other		48		Biscayne	
171	25.81343119	80.2700501		S 435	USGS	Other		48		Biscayne	
172	25.8170422	80.2789362		F 3	USGS	Other		48.2		Biscayne	
173	25.81233023	80.3049399		F 398	USGS	Other		48.3		Biscayne	
174	25.9095831	80.1928251		F 216	USGS	Other		48.5		Biscayne	
175	25.81065353	80.2747735		F 8	USGS	Other		48.8		Biscayne	
176	25.78287665	-80.24532729		F 233	USGS	Other		48.9		Biscayne	
177	25.84365206	80.1928253		F 222	USGS	Other		48.9		Biscayne	
178	25.80843143	80.2697729		S 478	USGS	Other		49.2		Biscayne	

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Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
179	25.7789879	80.2489385		F -130	USGS	Other		49.3		Biscayne	
180	25.7909319	80.243105		S -40	USGS	Other		49.5		Biscayne	
181	25.91092747	80.1878249		S -264	USGS	Other		49.5		Biscayne	
182	25.7662105	80.20449258		S -153	USGS	Other		50		Biscayne	
183	25.82870824	80.19588099		F -205	USGS	Other		50.3		Biscayne	
184	25.70815738	80.32838549		F -477	USGS	Other		50.4		Biscayne	
185	25.81398673	80.2700501		S -433	USGS	Other		51		Biscayne	
186	25.8012093	80.2381048		S -35	USGS	Other		51		Biscayne	
187	25.8497078	80.3044953		F -234	USGS	Other		51.2		Biscayne	
188	25.83676286	80.2203265		F -109	USGS	Other		51.4		Biscayne	
189	25.87481787	80.2664387		D -191	USGS	Other		51.5		Biscayne	
190	25.87481786	80.26616088		D -190	USGS	Other		51.7		Biscayne	
191	25.81398673	80.2708835		G -194	USGS	Other		52		Biscayne	
192	25.83120836	80.2814392		F -270	USGS	Other		52.4		Biscayne	
193	25.74148923	80.2453275		F -181	USGS	Other		52.4		Biscayne	
194	25.68371353	80.277551		G -423	USGS	Other		52.5		Biscayne	
195	25.835725	80.271625		F -239	USGS	Other		52.8		Biscayne	
196	25.81564335	-80.2764391		F -5	USGS	Other		53		Biscayne	
197	25.77509917	80.250883		F -129	USGS	Other		53.1		Biscayne	
198	25.87509563	80.2658831		D -189	USGS	Other		53.2		Biscayne	
199	25.7950985	80.3722774		G -3328	USGS	Other		54		Biscayne	
200	25.8431523	80.2131038		S -375	USGS	Other		54		Biscayne	
201	25.8067053	80.1878249		S -267	USGS	Other		54		Biscayne	
202	25.79813889	-80.3047778		G -3329	USGS	Other		54		Biscayne	
203	25.8053611	80.2767778		G -3327	USGS	Other		54		Biscayne	
204	25.8235863	80.21365939		F -31	USGS	Other		54.2		Biscayne	
205	25.73315643	-80.31060708		S -944	USGS	Other		54.4		Biscayne	
206	25.82620854	80.2789352		F -268	USGS	Other		54.6		Biscayne	
207	25.81287567	80.2733835		F -7	USGS	Other		54.8		Biscayne	
208	25.83565178	-80.2250486		S -208	USGS	Other		55		Biscayne	
209	25.9056498	80.1583795		S -277	USGS	Other		55		Biscayne	
210	25.79370957	80.2306045		F -117	USGS	Other		55.4		Biscayne	
211	25.7459336	80.3725504		F -403	USGS	Other		55.5		Biscayne	
212	25.74093368	80.2386606		F -177	USGS	Other		55.5		Biscayne	
213	25.90653864	80.1978251		F -215	USGS	Other		55.6		Biscayne	
214	25.78676533	-80.20504809		S -94	USGS	Other		56		Biscayne	
215	25.86842925	80.2631058		F -248	USGS	Other		56.2		Biscayne	
216	25.81620896	80.2997731		F -411	USGS	Other		56.3		Biscayne	
217	25.83509714	-80.28949048		G -1399	USGS	Other		56.3		Biscayne	
218	25.74093369	80.2397717		F -171	USGS	Other		56.3		Biscayne	
219	25.8073203	80.268935		S -473	USGS	Other		56.4		Biscayne	
220	25.84065227	-80.2025478		F -35	USGS	Other		56.4		Biscayne	
221	25.8375968	80.2006033		F -33	USGS	Other		56.7		Biscayne	
222	25.8198199	80.2681061		F -12	USGS	Other		56.9		Biscayne	
223	25.83315254	80.198381		F -209	USGS	Other		56.9		Biscayne	
224	25.8670403	80.2494938		S -250	USGS	Other		57		Biscayne	
225	25.81148689	80.2931063		S -477	USGS	Other		57.1		Biscayne	
226	25.75787758	-80.256161		F -301	USGS	Other		57.5		Biscayne	
227	25.73343397	80.2536611		S -149	USGS	Other		58		Biscayne	
228	25.86148497	80.2508627		S -212	USGS	Other		58		Biscayne	
229	25.75648867	-80.222271		F -138	USGS	Other		58		Biscayne	
230	25.80704253	80.26893958		S -474	USGS	Other		58.4		Biscayne	
231	25.84481884	80.22512639		F -85	USGS	Other		58.6		Biscayne	
232	25.7700996	-80.373385		G -100	USGS	Other		59.1		Biscayne	
233	25.8142645	80.2781059		F -11	USGS	Other		59.3		Biscayne	
234	25.78926523	80.2014369		F -81	USGS	Other		59.7		Biscayne	
235	25.8012095	80.3008843		F -479	USGS	Other		60		Biscayne	
236	25.80787583	80.2678278		S -475	USGS	Other		60		Biscayne	
237	25.78204339	80.2594944		S -208	USGS	Other		60		Biscayne	
238	25.7721215	-80.2546054		S -42	USGS	Other		60		Biscayne	
239	25.84592998	80.2553274		S -218	USGS	Other		60		Biscayne	
240	25.8017648	80.22393759		S -31	USGS	Other		60		Biscayne	
241	25.8017648	-80.22171529		S -37	USGS	Other		60		Biscayne	
242	25.88527778	-80.2204444		S -3131	USGS	Other		60		Biscayne	
243	25.76620945	80.2128261		S -162	USGS	Other		60		Biscayne	
244	25.79148739	-80.2086593		S -489	USGS	Other		60		Biscayne	
245	25.7745445	-80.189492		S -497	USGS	Other		60		Biscayne	
246	25.70916667	80.3352778		G -628	USGS	Other		60.5		Biscayne	
247	25.74648905	-80.238103		F -166	USGS	Other		60.8		Biscayne	
248	25.8150979	80.3022732		F -410	USGS	Other		61		Biscayne	
249	25.81625	80.2861944		S -68	USGS	Other		61		Biscayne	
250	25.75487209	80.2381049		F -163	USGS	Other		61.7		Biscayne	
251	25.7695438	80.2500497		F -180	USGS	Other		61.8		Biscayne	
252	25.70260197	80.3172741		G -1555	USGS	Other		62		Biscayne	
253	25.67232524	-80.3169963		G -1604	USGS	Other		62		Biscayne	
254	25.8167664	80.2733835		S -434	USGS	Other		62		Biscayne	
255	25.73343394	80.23949399		F -202	USGS	Other		62		Biscayne	
256	25.7987096	-80.30116209		F -488	USGS	Other		62.1		Biscayne	
257	25.8239862	80.2111593		F -63	USGS	Other		62.4		Biscayne	
258	25.81954197	80.2278266		F -98	USGS	Other		62.6		Biscayne	
259	25.78704335	80.2994954		F -487	USGS	Other		62.8		Biscayne	
260	25.80926456	80.2242154		F -108	USGS	Other		63		Biscayne	
261	25.7248224	80.2136597		S -145	USGS	Other		63		Biscayne	
262	25.7989871	-80.20004788		S -118	USGS	Other		63		Biscayne	
263	25.76759959	80.293662		F -186	USGS	Other		63.1		Biscayne	
264	25.90676097	80.19332519		S -384	USGS	Other		63.5		Biscayne	
265	25.730934	-80.238103		F -160	USGS	Other		63.9		Biscayne	
266	25.76843268	80.2164374		D -75	USGS	Other		63.9		Biscayne	
267	25.83287483	80.2314377		F -28	USGS	Other		64.6		Biscayne	

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
268	25.83315237	80.2183817		F -251	USGS	Other		64.9		Biscayne	
269	25.77176586	80.20171469		D -65	USGS	Other		64.9		Biscayne	
270	25.78668756	80.2050481		S -97	USGS	Other		65		Biscayne	
271	25.83815233	80.1928253		F -220	USGS	Other		65.4		Biscayne	
272	25.81009779	80.193381		S -203	USGS	Other		65.5		Biscayne	
273	25.73371203	80.177552		S -933	USGS	Other		66		Biscayne	
274	25.68810255	80.2744954		G -758	USGS	Other		66		Biscayne	
275	25.7343397	80.2533833		S -150	USGS	Other		66		Biscayne	
276	25.74871118	80.2297713		F -147	USGS	Other		66.1		Biscayne	
277	25.75537764	80.2464385		F -178	USGS	Other		66.3		Biscayne	
278	25.73787824	80.24338799		F -191	USGS	Other		66.3		Biscayne	
279	25.7950986	80.2942175		F -423	USGS	Other		66.5		Biscayne	
280	25.76121076	80.2447179		F -174	USGS	Other		67		Biscayne	
281	25.73954484	80.2344938		F -198	USGS	Other		67.2		Biscayne	
282	25.77292164	80.29366199		F -135	USGS	Other		67.3		Biscayne	
283	25.84620767	80.2228263		F -79	USGS	Other		67.7		Biscayne	
284	25.7598319	80.2325401		F -150	USGS	Other		68.4		Biscayne	
285	25.74704457	80.2297713		F -148	USGS	Other		68.5		Biscayne	
286	25.7353783	80.2344938		F -213	USGS	Other		69.1		Biscayne	
287	25.8062091	80.2292155		F -82	USGS	Other		69.5		Biscayne	
288	25.757322	80.2364383		S -134	USGS	Other		70		Biscayne	
289	25.7973205	80.2131039		S -113	USGS	Other		70		Biscayne	
290	25.8281527	80.1949367		F -32	USGS	Other		70.1		Biscayne	
291	25.75593314	80.2231044		F -141	USGS	Other		70.2		Biscayne	
292	25.73371186	80.2844953		S -166	USGS	Other		71		Biscayne	
293	25.7753769	80.237827		F -125	USGS	Other		71.5		Biscayne	
294	25.81426458	80.29643969		F -15	USGS	Other		73.1		Biscayne	
295	25.8189866	80.293384		F -13	USGS	Other		73.4		Biscayne	
296	25.73398876	80.2211559		F -140	USGS	Other		73.4		Biscayne	
297	25.82343065	80.1933809		F -204	USGS	Other		73.5		Biscayne	
298	25.7589886	80.2381049		F -162	USGS	Other		73.6		Biscayne	
299	25.68608333	80.2806667		G -896	USGS	Other		74		Biscayne	
300	25.80232037	80.2269933		S -30	USGS	Other		75		Biscayne	
301	25.77176589	80.2144929		S -151	USGS	Other		75		Biscayne	
302	25.87370658	80.183567		G -1357	USGS	Other		75		Biscayne	
303	25.84347997	80.2133815		S -376	USGS	Other		75.5		Biscayne	
304	25.74899897	80.244494		F -182	USGS	Other		75.7		Biscayne	
305	25.81426357	80.18476948		F -230	USGS	Other		75.7		Biscayne	
306	25.89769444	80.1825556		G -894	USGS	Other		76		Biscayne	
307	25.80815358	80.2642166		S -472	USGS	Other		76.2		Biscayne	
308	25.74176697	80.2286602		F -192	USGS	Other		76.4		Biscayne	
309	25.7456472	80.2464		F -179	USGS	Other		77		Biscayne	
310	25.77593243	80.2311602		D -64	USGS	Other		78.2		Biscayne	
311	25.75148868	80.2381049		F -164	USGS	Other		78.3		Biscayne	
312	25.7762121	80.27977299		G -897	USGS	Other		79		Biscayne	
313	25.79232076	80.243103		S -39	USGS	Other		79		Biscayne	
314	25.85259625	80.1889362		G -1356	USGS	Other		79		Biscayne	
315	25.75604865	80.2100484		D -72	USGS	Other		79.5		Biscayne	
316	25.81287565	80.2697723		S -436	USGS	Other		80		Biscayne	
317	25.7331563	80.2533833		S -148	USGS	Other		80		Biscayne	
318	25.79393168	80.215084		S -203	USGS	Other		80		Biscayne	
319	25.8092645	80.1956033		S -81	USGS	Other		80		Biscayne	
320	25.90018886	80.1947944		G -36015	USGS	Other		80	75	Biscayne	
321	25.81204238	80.27782809		F -10	USGS	Other		80.7		Biscayne	
322	25.81926434	80.2767169		F -394	USGS	Other		80.9		Biscayne	
323	25.81204235	80.2706057		G -355	USGS	Other		82.9		Biscayne	
324	25.77760046	80.238103		F -138	USGS	Other		83.4		Biscayne	
325	25.90314996	80.1831026		S -337	USGS	Other		83.4		Biscayne	
326	25.87805556	80.2885		G -1282	USGS	Other		84		Biscayne	
327	25.82881889	80.2041556		F -45	USGS	Other		84.9		Biscayne	
328	25.74148929	80.262828		G -890	USGS	Other		85		Biscayne	
329	25.79815363	80.2161596		S -115	USGS	Other		85		Biscayne	
330	25.80315363	80.2081037		S -199	USGS	Other		85		Biscayne	
331	25.6662222	80.2878056		G -3609	USGS	Other		85	85	Biscayne	
332	25.74955556	80.2675556		G -3229	USGS	Other		85		Biscayne	
333	25.82676389	80.2081036		F -50	USGS	Other		85.4		Biscayne	
334	25.80232045	80.2600499		D -178	USGS	Other		85.7		Biscayne	
335	25.7625993	80.2014369		D -68	USGS	Other		85.7		Biscayne	
336	25.73510055	80.238103		F -139	USGS	Other		85.8		Biscayne	
337	25.84704094	80.21004808		F -61	USGS	Other		85.9		Biscayne	
338	25.77537695	80.2544943		F -184	USGS	Other		86.6		Biscayne	
339	25.79926485	80.1949366		D -139	USGS	Other		86.7		Biscayne	
340	25.82704188	80.2931062		S -17	USGS	Other		87		Biscayne	
341	25.8098203	80.27421689		G -570	USGS	Other		87		Biscayne	
342	25.8464854	80.2136593		F -67	USGS	Other		87.2		Biscayne	
343	25.75787754	80.24282729		F -172	USGS	Other		87.5		Biscayne	
344	25.74287805	80.2325492		D -123	USGS	Other		87.5		Biscayne	
345	25.7581108	80.2700487		F -137	USGS	Other		87.8		Biscayne	
346	25.8003758	80.1317122		S -159	USGS	Other		88		Biscayne	
347	25.762044	80.216993		D -77	USGS	Other		88.1		Biscayne	
348	25.78759863	80.2067148		D -36	USGS	Other		88.4		Biscayne	
349	25.7942652	80.270328		G -1352	USGS	Other		89		Biscayne	
350	25.84592996	80.24921609		S -217	USGS	Other		90		Biscayne	
351	25.79759828	80.2135483		S -115	USGS	Other		90		Biscayne	
352	25.80848333	80.2705833		G -354	USGS	Other		90.2		Biscayne	
353	25.83870833	80.1903252		F -219	USGS	Other		90.4		Biscayne	
354	25.8103757	80.2617166		G -197	USGS	Other		90.5		Biscayne	
355	25.81176458	80.2681056		G -336	USGS	Other		90.7		Biscayne	
356	25.77204386	80.2906064		F -136	USGS	Other		91		Biscayne	

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
357	25.82773889	80.2836861		S 11	USGS	Other		91		Biscayne	
358	25.8378746	80.2111593		F 47	USGS	Other		91.1		Biscayne	
359	25.67260297	80.3083832		G 1604A	USGS	Other		91.5		Biscayne	
360	25.76537727	80.2386605		D 129	USGS	Other		91.5		Biscayne	
361	25.73815616	80.2664367		G 788	USGS	Other		91.8		Biscayne	
362	25.8098202	80.2683834		G 199	USGS	Other		92		Biscayne	
363	25.80482037	80.2644944		G 196	USGS	Other		92		Biscayne	
364	25.8303748	80.186714		F 227	USGS	Other		92.6		Biscayne	
365	25.8062091	80.2281049		F 93	USGS	Other		93.1		Biscayne	
366	25.77454939	80.2281049		D 62	USGS	Other		93.2		Biscayne	
367	25.7986207B	80.2108816		D 44	USGS	Other		93.3		Biscayne	
368	25.8095423	80.2161595		D 47	USGS	Other		93.5		Biscayne	
369	25.75065558	80.2447718		D 350	USGS	Other		93.7		Biscayne	
370	25.80898674	80.201159		F 71	USGS	Other		93.9		Biscayne	
371	25.8081536	80.26666119		D 331	USGS	Other		94		Biscayne	
372	25.7725992	80.2258822		D 187	USGS	Other		94		Biscayne	
373	25.8118611	80.2736944		G 571	USGS	Other		94.5		Biscayne	
374	25.8159411	80.2731057		G 195	USGS	Other		94.7		Biscayne	
375	25.7931564	80.30310689		S 173	USGS	Other		95		Biscayne	
376	25.81204224	80.2283822		G 3227	USGS	Other		95		Biscayne	
377	25.80994444	80.29713889		S 19	USGS	Other		95		Biscayne	
378	25.7896208	80.220882		F 80	USGS	Other		95.4		Biscayne	
379	25.6570478	80.2792179		G 424	USGS	Other		95.5		Biscayne	
380	25.8778611	80.2083611		G 3724	USGS	Other		95.5		Biscayne	
381	25.70083333	80.2817778		G 901	USGS	Other		96		Biscayne	
382	25.7748214	80.25782769		G 3228	USGS	Other		96.1		Biscayne	
383	25.8139867	80.2631055		G 576	USGS	Other		97.3		Biscayne	
384	25.81552778	80.2767778		G 548	USGS	Other		97.3		Biscayne	
385	25.75737195	80.2061503		D 69	USGS	Other		97.4		Biscayne	
386	25.83398513	80.2092147		G 421	USGS	Other		97.5		Biscayne	
387	25.899539	80.1947696		G 430	USGS	Other		97.5		Biscayne	
388	25.75982168	80.2206043		D 85	USGS	Other		97.6		Biscayne	
389	25.77176775	80.2664393		G 476	USGS	Other		98		Biscayne	
390	25.83481845	80.2133815		G 422	USGS	Other		98		Biscayne	
391	25.77440648	80.247626		MIAMI DADE G-3747	USGS	Other		98.1		Biscayne	
392	25.81037578	80.2808837		G 577	USGS	Other		98.7		Biscayne	
393	25.89592803	80.194214		G 429	USGS	Other		99		Biscayne	
394	25.69621326	80.3092184		G 581	USGS	Other		99.2		Biscayne	
395	25.77663889	80.28425		G 432	USGS	Other		99.5		Biscayne	
396	25.80759807	80.271439		D 152	USGS	Other		99.7		Biscayne	
397	25.8017649	80.2594943		D 177	USGS	Other		99.8		Biscayne	
398	25.7109149	80.2942179		G 581A	USGS	Other		100		Biscayne	
399	25.75648864	80.2064371		D 70	USGS	Other		100		Biscayne	
400	25.8798175	80.20338109		F 190	USGS	Other		100		Biscayne	
401	25.80620904	80.1917143		S 143	USGS	Other		100		Biscayne	
402	25.87896413	80.1686577		S 301	USGS	Other		100		Biscayne	
403	25.68548889	80.2959417		G 10098	USGS	Other		100		Biscayne	
404	25.66441667	80.2846111		G 3608	USGS	Other		100	100	Biscayne	
405	25.74426717	80.3130516		G 198	USGS	Other		101		Biscayne	
406	25.78009884	80.1939366		S 70	USGS	Other		101		Biscayne	
407	25.82537523	80.27699468		F 263	USGS	Other		102		Biscayne	
408	25.79009854	80.20727038		D 38	USGS	Other		102		Biscayne	
409	25.8073203	80.271439		D 154	USGS	Other		103		Biscayne	
410	25.8143422	80.2578274		G 1353	USGS	Other		103		Biscayne	
411	25.77371028	80.2258822		D 38	USGS	Other		103		Biscayne	
412	25.80732013	80.20171458		F 70	USGS	Other		103		Biscayne	
413	25.7884319	80.1914365		S 143	USGS	Other		103		Biscayne	
414	25.604	80.2709167		G 1251	USGS	Other		103		Biscayne	
415	25.80787584	80.271439		D 158	USGS	Other		104		Biscayne	
416	25.8095424	80.2575498		G 1355	USGS	Other		104		Biscayne	
417	25.79204299	80.2414382		S 525	USGS	Other		104		Biscayne	
418	25.80958333	80.2657237		G 1354	USGS	Other		104		Biscayne	
419	25.80398713	80.283106		G 1350	USGS	Other		105		Biscayne	
420	25.7598218	80.2342139		F 151	USGS	Other		105		Biscayne	
421	25.74121145	80.2369938		D 133	USGS	Other		106		Biscayne	
422	25.79987059	80.2769948		G 991	USGS	Other		107		Biscayne	
423	25.8064869	80.2439383		G 903	USGS	Other		107		Biscayne	
424	25.7406559	80.238105		F 168	USGS	Other		107		Biscayne	
425	25.7598218	80.23810489		F 161	USGS	Other		107		Biscayne	
426	25.78815417	80.207826		D 35	USGS	Other		108		Biscayne	
427	25.75232217	80.23004908		F 146	USGS	Other		109		Biscayne	
428	25.75759975	80.2269934		D 110	USGS	Other		109		Biscayne	
429	25.66649207	80.3081075		G 3137	USGS	Other		110		Biscayne	
430	25.80732024	80.2503274		G 3703	USGS	Other		110		Biscayne	
431	25.84620764	80.2100409		F 53	USGS	Other		110		Biscayne	
432	25.8598182	80.18532499		G 855	USGS	Other		110		Biscayne	
433	25.77483333	80.2417222		G 3605	USGS	Other		110	110	Biscayne	
434	25.85787405	80.2017145		G 3725	USGS	Other		111		Biscayne	
435	25.82343066	80.2003256		G 3226	USGS	Other		111		Biscayne	
436	25.7487119	80.2375494		D 131	USGS	Other		112		Biscayne	
437	25.77537689	80.22810489		D 63	USGS	Other		112		Biscayne	
438	25.83093037	80.1928253		F 210	USGS	Other		112		Biscayne	
439	25.80648686	80.21504836		G 3704	USGS	Other		112	120	Biscayne	
440	25.77371028	80.2281045		D 61	USGS	Other		113		Biscayne	
441	25.7887097	80.2092149		D 39	USGS	Other		113		Biscayne	
442	25.87398436	80.1897695		F 228	USGS	Other		114		Biscayne	
443	25.7453783	80.243383		F 188	USGS	Other		115		Biscayne	
444	25.7442669	80.238105		F 167	USGS	Other		116		Biscayne	
445	25.81731999	80.28699498		S 397	USGS	Other		117		Biscayne	

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
446	25.80343139	80.2039369		D - 33	USGS	Other		117		Biscayne	
447	25.888275	80.1874056		F - 179	USGS	Other		117		Biscayne	
448	25.77621019	80.2267156		D - 60	USGS	Other		119		Biscayne	
449	25.79370956	80.2256043		F - 102	USGS	Other		119		Biscayne	
450	25.77482133	80.22365089		D - 55	USGS	Other		119		Biscayne	
451	25.68843579	80.3164409		G -1551	USGS	Other		120		Biscayne	
452	25.69063779	80.2853289		G -3159	USGS	Other		120		Biscayne	
453	25.77926565	80.23227139		F - 120	USGS	Other		120		Biscayne	
454	25.7750991	80.2244933		D - 56	USGS	Other		120		Biscayne	
455	25.82176404	-80.195881		F - 203	USGS	Other		120		Biscayne	
456	25.72825	80.2929167		G -3606	USGS	Other		120	120	Biscayne	
457	25.69930556	-80.2893611		G -3607	USGS	Other		120	120	Biscayne	
458	25.78991667	80.2562778		G -3604	USGS	Other		120	120	Biscayne	
459	25.7603774	80.218382		D - 78	USGS	Other		123		Biscayne	
460	25.8348191	80.1939365		F - 218	USGS	Other		123		Biscayne	
461	25.76593274	80.2014369		D - 67	USGS	Other		131		Biscayne	
462	25.83287473	80.1861584		F - 229	USGS	Other		131		Biscayne	
463	25.79704273	-80.20449249		D - 30	USGS	Other		132		Biscayne	
464	25.76648827	80.2014369		D - 66	USGS	Other		133		Biscayne	
465	25.91064963	80.1633797		G - 893	USGS	Other		133		Biscayne	
466	25.74926677	80.2547771		D - 196	USGS	Other		135		Biscayne	
467	25.73004444	-80.2743		G -3965	USGS	Other		136	119	Biscayne	
468	25.89037265	80.1875472		F - 280	USGS	Other		137		Biscayne	
469	25.74121146	-80.24060509		G - 173A	USGS	Other		138		Biscayne	
470	25.81065339	80.2242154		D - 53	USGS	Other		138		Biscayne	
471	25.67075	-80.28375		G -3841	USGS	Other		138.5		Biscayne	
472	25.7459333	80.2336604		D - 120	USGS	Other		140		Biscayne	
473	25.80982005	80.2061552		D - 34	USGS	Other		140		Biscayne	
474	25.66245278	80.2948667		G -3996	USGS	Other		142	130.3	Biscayne	
475	25.77176593	-80.2386604		D - 128	USGS	Other		143		Biscayne	
476	25.76482173	80.2383827		D - 130	USGS	Other		144		Biscayne	
477	25.81065333	80.1950477		D - 142	USGS	Other		144		Biscayne	
478	25.77454354	80.2267156		D - 59	USGS	Other		148		Biscayne	
479	25.900175	-80.194775		G -3601J	USGS	Other		151	105	Biscayne	
480	25.89664353	80.1832662		S - 991	USGS	Other		152		Biscayne	
481	25.80259809	-80.2047703		D - 41	USGS	Other		157		Biscayne	
482	25.80926455	80.22365978		D - 52	USGS	Other		159		Biscayne	
483	25.83480556	80.2014444		G -3602	USGS	Other		160	160	Biscayne	
484	25.81065334	80.1989367		D - 14	USGS	Other		161		Biscayne	
485	25.80343139	80.2047703		D - 32	USGS	Other		168		Biscayne	
486	25.8194722	80.2138333		G -3603	USGS	Other		170	169	Biscayne	
487	25.9217603	-80.15615718		D - 151	USGS	Other		176		Biscayne	
488	25.8397222	80.1280278		G -3956	USGS	Other		178		Biscayne	
489	25.78520833	80.2659917		G -5005	USGS	Other		180	179.5	Biscayne	
490	25.8068972	80.2648278		G -3964	USGS	Other		189	130	Biscayne	
491	25.9001972	80.1948278		G -3601D (formerly G -3601)	USGS	Other		190	190	Biscayne	
492	25.7526	80.2583333		D - 181	USGS	Other		213		Biscayne	
493	25.8384722	-80.2136111		G -3947	USGS	Other		229	200	Biscayne	
494	25.8095423	80.212826		D - 46	USGS	Other		232		Biscayne	
495	25.7414893	80.2378277		G - 189	USGS	Other		241		Biscayne	
496	25.82966667	80.2906111		G -3250	USGS	Other		260	116	Biscayne	
497	25.91474444	80.1855556		G -3978	USGS	Other		271	270		
498	25.82537506	80.2247709		G - 186	USGS	Other		300			
499	25.81759776	-80.28505048		G - 182	USGS	Other		301			
500	25.82528889	80.1314		G -5002	USGS	Other		330			
501	25.86934167	80.1294028		G -5000	USGS	Other		330			
502	25.85719167	80.1249111		G -5001	USGS	Other		330			
503	25.82050833	80.1209111		G -5003	USGS	Other		330			
504	25.77954507	80.1581022		WELL - BEAR CUT STATION 197 AND 47	USGS	Other		579			
505	25.80148714	-80.2581054		S - 320	USGS	Other		705			
506	25.6912131	80.1636582		S - 990	USGS	Other		980		Upper Floridan	
507	25.82787478	80.1275453		S - 160	USGS	Other		1000		Upper Floridan	
508	25.829264	-80.288106		G -3062	USGS	Other		1064		Upper Floridan	
509	25.79232055	80.1376235		S - 158	USGS	Other		1066		Upper Floridan	
510	25.8264307	80.2878283		G -3061	USGS	Other		1105		Upper Floridan	
511	25.78009888	-80.1990478		S - 147	USGS	Other		1165		Upper Floridan	
512	25.92061389	80.1477778		MIAMI-DADE N1U	USGS	Other		1262	1160	Upper Floridan	
513	25.9112167	80.1492222		G -3963	USGS	Other		1500	1500	Upper Floridan	
514	25.78176538	-80.137268		S - 157	USGS	Other		1501		Upper Floridan	
515	25.92061389	80.14783889		MIAMI-DADE N1L	USGS	Other		1513	1410	Upper Floridan	
516	25.91154167	80.1492167		G -3962	USGS	Other		1203	1203	Boulder Zone	
517	25.91839375	80.14707078		G -3805	USGS	Other		1400	1400	Boulder Zone	
518	25.748156	80.336441		G - 977	USGS	Other					
519	25.76982183	80.3364409		G - 8	USGS	Other					
520	25.70676856	-80.3350523		G -3432	USGS	Other					
521	25.6887136	80.32532998		S - 938	USGS	Other					
522	25.73732297	80.315885		G - 350	USGS	Other					
523	25.81287979	-80.3111068		G - 32	USGS	Other					
524	25.769344	80.31088468		TEST WELL AT FLAGAMI CT. S OF FLAGLAR MIAMI FLA	USGS	Other					
525	25.74063889	80.3101944		G -3843	USGS	Other					
526	25.67292519	-80.30532938		HELMS-1, FLA	USGS	Other					
527	25.66649205	80.3044963		HELMS-2, FLA	USGS	Other					
528	25.83704156	80.3044954		G - 435	USGS	Other					
529	25.83509718	-80.30449538		G - 436	USGS	Other					
530	25.83843039	80.3028287		G - 437	USGS	Other					
531	25.83815298	80.3015509		G - 439	USGS	Other					
532	25.8295418	-80.3022731		G - 3	USGS	Other					
533	25.8356527	80.3014397		G - 438	USGS	Other					
534	25.8131535	-80.301162		F - 399	USGS	Other					

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Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
535	25.8295418	80.3006064		S - 19A	USGS	Other					
536	25.77616667	80.2996667		G - 3845	USGS	Other					
537	25.8148201	80.2992175		F - 412	USGS	Other					
538	25.82231985	80.2992175		G - 349	USGS	Other					
539	25.83009734	80.2975508		G - 2	USGS	Other					
540	25.81370904	80.2969953		WELL 7 MIAMI FL	USGS	Other					
541	25.67204738	80.2967183		HELMS-4, FLA	USGS	Other					
542	25.8047092	80.2956064		G - 8	USGS	Other					
543	25.81593117	80.2922779		WELL 5 MIAMI FL	USGS	Other					
544	25.7117682	80.2919936		F - 322	USGS	Other					
545	25.82120876	80.2917173		G - 441	USGS	Other					
546	25.66871413	80.290607		HELMS-4, FLA	USGS	Other					
547	25.82398643	80.2897728		G - 357	USGS	Other					
548	25.7939875	80.2892173		G - 16	USGS	Other					
549	25.80315985	80.2892173		G - 15	USGS	Other					
550	25.84287463	80.28893938		F - 257	USGS	Other					
551	25.72676767	80.2878288		G - 578	USGS	Other					
552	25.8267641	80.2864394		F - 416	USGS	Other					
553	25.8162089	80.2861616		S - 68A	USGS	Other					
554	25.8170422	80.2858838		MIAMI, FLA	USGS	Other					
555	25.8276111	80.2858333		MIAMI DADE HIALEAH WTP SPIGOT	USGS	Other					
556	25.82870847	80.285606		VS- 12 HIALEAH	USGS	Other					
557	25.65343685	80.2850514		G - 232	USGS	Other					
558	25.66371427	80.2819402		G - 231	USGS	Other					
559	25.84148577	80.281717		F - 260	USGS	Other					
560	25.76371078	80.27560598		F - 310	USGS	Other					
561	25.87787514	80.275378		F - 262	USGS	Other					
562	25.83259717	80.2717167		F - 238	USGS	Other					
563	25.78065423	80.2692168		WELL #A MIAMI AIR DEPOT	USGS	Other					
564	25.80593145	80.2664389		G - 490	USGS	Other					
565	25.80148716	80.2658834		S - 233	USGS	Other					
566	25.8047092	80.26332779		WELL #B MIAMI AIR DEPOT NR MIAMI, FLA	USGS	Other					
567	25.84620776	80.260883		MIAMI STUDIO CORP WELL HIALEAH FL	USGS	Other					
568	25.71204584	80.25949478		4105 HARDEE RD	USGS	Other					
569	25.80537586	80.2586609		G - 353	USGS	Other					
570	25.8034315	80.2575498		WELL DUNAN BRICKYARD N/W RIV DV MIAMI FL	USGS	Other					
571	25.82815285	80.2573497		G - 1333A	USGS	Other					
572	25.74954454	80.2547721		F - 302	USGS	Other					
573	25.80704248	80.2542164		G - 352	USGS	Other					
574	25.73898864	80.25338318		D - 134	USGS	Other					
575	25.8083313	80.2506052		G - 351	USGS	Other					
576	25.81898648	80.2503273		G - 110	USGS	Other					
577	25.77009934	80.2500497		S - 389	USGS	Other					
578	25.8945393	80.243938		G - 83	USGS	Other					
579	25.8779177	80.2428269		G - 86	USGS	Other					
580	25.8825953	80.242549		G - 103	USGS	Other					
581	25.84592995	80.2419936		G - 111	USGS	Other					
582	25.82726405	80.2406048		G - 118	USGS	Other					
583	25.7258064	80.2400246		G -3750	USGS	Other					
584	25.7257842	80.2399968		G -3749	USGS	Other					
585	25.72575365	80.239969		G -3748	USGS	Other					
586	25.76454995	80.2306046		WELL AT SW 9TH ST AND 22ND AVE IN MIAMI FLA	USGS	Other					
587	25.81898644	80.2303266		F - 112	USGS	Other					
588	25.81537545	80.22754878		F - 97	USGS	Other					
589	25.84596944	80.2254194		S -3155	USGS	Other					
590	25.84481863	80.2233619		G - 85-6	USGS	Other					
591	25.77287697	80.2228265		WELL 17AVE AND FLAGLER ST MIAMI FL	USGS	Other					
592	25.7681549	80.2225488		MIA, FLA	USGS	Other					
593	25.76842769	80.22199319		1650 S 5TH ST	USGS	Other					
594	25.8156332	80.221993		S - 20A	USGS	Other					
595	25.88539556	80.2165833		NORTH MIAMI WTP SPIGOT	USGS	Other					
596	25.83009748	80.2164373		S - 21A	USGS	Other					
597	25.7809322	80.2150483		WELL OSCEOLA AND 20ST S MIAMI FL	USGS	Other					
598	25.78365426	80.2094927		G - 121	USGS	Other					
599	25.77093257	80.207826		S - 152	USGS	Other					
600	25.7850987	80.207826		S - 90	USGS	Other					
601	25.74813889	80.2063611		G -3868	USGS	Other					
602	25.7481667	80.2063611		G -3872	USGS	Other					
603	25.77176587	80.20615929		G - 117	USGS	Other					
604	25.76482168	80.2058815		G - 123	USGS	Other					
605	25.78926524	80.2053259		G -3143	USGS	Other					
606	25.7878764	80.2042147		G - 119	USGS	Other					
607	25.8039869	80.201159		WELL AT COCA COLA CO MIAMI FL	USGS	Other					
608	25.7842654	80.1997701		G - 116	USGS	Other					
609	25.76565497	80.1989363		G - 122	USGS	Other					
610	25.79870933	80.1983812		D - 9	USGS	Other					
611	25.78815415	80.1967145		G - 113	USGS	Other					
612	25.81787548	80.1956032		WELL BUENA VISTA MIA BEACH, FLA	USGS	Other					
613	25.78815414	80.18948199		G - 120	USGS	Other					
614	25.83009706	80.1889363		F - 224	USGS	Other					
615	25.82981929	80.186714		G - 109	USGS	Other					
616	25.82981929	80.185325		G - 107	USGS	Other					
617	25.82981927	80.1764159		G - 108	USGS	Other					
618	25.74914167	80.1473611		G -3981	USGS	Other					
619	25.7487222	80.1473583		G -3980	USGS	Other					
620	489353	896081	13 03206 W	MARLENE KMILOY	SFWMD	Agriculture	2	31	0	Biscayne	
621	508137	902359	13 04758 W	ST MATTHEWS COMMUNITY MISSIONARY BAPTIST CHURCH	SFWMD	Agriculture	2	48	30	Biscayne	
622	476027	897731	13 03001 W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	58	30	Biscayne	
623	476033	897731	13 03001 W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	58	30	Biscayne	

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Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
624	476046	887742	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
625	476958	887579	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
626	476958	887582	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
627	476954	887582	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
628	475048	887914	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
629	476249	887852	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
630	475465	887759	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
631	476033	887731	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
632	476958	887579	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
633	476954	887582	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
634	476022	887711	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
635	476046	887742	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
636	476958	887582	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
637	475048	887914	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
638	475465	887759	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
639	475093	887798	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
640	475465	887413	13-02001-W	SUBTROPICAL HORTICULTURAL RESEARCH UNIT	SFWMD	Agriculture	10	50	40	Biscayne	-
641	574447.7	935822	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Class I	16	3202	2520	Boulder Zone	-
642	507763	894355	13-00088-W	RIVIERA COUNTRY CLUB	SFWMD	Golf	8	20	18	Biscayne	-
643	507763	894355	13-00088-W	RIVIERA COUNTRY CLUB	SFWMD	Golf	8	20	18	Biscayne	-
644	507763	894527	13-00088-W	RIVIERA COUNTRY CLUB	SFWMD	Golf	8	21	18	Biscayne	-
645	474846	887962	13-00306-W	DEERING BAY YACHT AND COUNTRY CLUB	SFWMD	Golf	12	29.5	25	Biscayne	-
646	474688	887942	13-00306-W	DEERING BAY YACHT AND COUNTRY CLUB	SFWMD	Golf	12	29.5	25	Biscayne	-
647	474927	887985	13-00306-W	DEERING BAY YACHT AND COUNTRY CLUB	SFWMD	Golf	12	29.5	25	Biscayne	-
648	474780	887951	13-00306-W	DEERING BAY YACHT AND COUNTRY CLUB	SFWMD	Golf	12	29.5	25	Biscayne	-
649	474700	888034	13-00306-W	DEERING BAY YACHT AND COUNTRY CLUB	SFWMD	Golf	2	35	25	Biscayne	-
650	474664	888097	13-00306-W	DEERING BAY YACHT AND COUNTRY CLUB	SFWMD	Golf	2	45	35	Biscayne	-
651	560160	924987	13-00041-W	MIAMI SHORES COUNTRY CLUB	SFWMD	Golf	8	47	45	Biscayne	-
652	559460	924887	13-00041-W	MIAMI SHORES COUNTRY CLUB	SFWMD	Golf	8	47	45	Biscayne	-
653	560160	924987	13-00041-W	MIAMI SHORES COUNTRY CLUB	SFWMD	Golf	8	47	45	Biscayne	-
654	516300	894026	13-00056-W	GRANADA Golf COURSE	SFWMD	Golf	5.75	47	0	Biscayne	-
655	474622	888164	13-00306-W	DEERING BAY YACHT AND COUNTRY CLUB	SFWMD	Golf	2	55	45	Biscayne	-
656	516253	894037	13-00056-W	GRANADA Golf COURSE	SFWMD	Golf	7.75	56	0	Biscayne	-
657	516253	894037	13-00056-W	GRANADA Golf COURSE	SFWMD	Golf	7.75	56	0	Biscayne	-
658	508081	893009	13-00088-W	RIVIERA COUNTRY CLUB	SFWMD	Golf	18	58	36	Biscayne	-
659	508306	892925	13-00088-W	RIVIERA COUNTRY CLUB	SFWMD	Golf	2	60	40	Biscayne	-
660	538427	890336	13-00090-W	MIAMI SPRINGS Golf AND COUNTRY CLUB	SFWMD	Golf	12	60	50	Biscayne	-
661	539116	888113	13-00090-W	MIAMI SPRINGS Golf AND COUNTRY CLUB	SFWMD	Golf	14	60	50	Biscayne	-
662	508448	892789	13-00088-W	RIVIERA COUNTRY CLUB	SFWMD	Golf	18	60	40	Biscayne	-
663	506622	893986	13-00088-W	RIVIERA COUNTRY CLUB	SFWMD	Golf	8	60	40	Biscayne	-
664	506622	893986	13-00088-W	RIVIERA COUNTRY CLUB	SFWMD	Golf	8	60	40	Biscayne	-
665	538427	890336	13-00090-W	MIAMI SPRINGS Golf AND COUNTRY CLUB	SFWMD	Golf	8	60	50	Biscayne	-
666	516309	894108	13-00056-W	GRANADA Golf COURSE	SFWMD	Golf	7.75	62	0	Biscayne	-
667	509988	892910	13-00055-W	BILTMORE Golf COURSE	SFWMD	Golf	8	62	54	Biscayne	-
668	509988	892910	13-00055-W	BILTMORE Golf COURSE	SFWMD	Golf	8	62	54	Biscayne	-
669	516309	894108	13-00056-W	GRANADA Golf COURSE	SFWMD	Golf	7.75	62	0	Biscayne	-
670	510055	892947	13-00055-W	BILTMORE Golf COURSE	SFWMD	Golf	16	64	43.5	Biscayne	-
671	510055	892947	13-00055-W	BILTMORE Golf COURSE	SFWMD	Golf	16	64	43.5	Biscayne	-
672	510055	892851	13-00055-W	BILTMORE Golf COURSE	SFWMD	Golf	16	65	41	Biscayne	-
673	510055	892851	13-00055-W	BILTMORE Golf COURSE	SFWMD	Golf	16	65	41	Biscayne	-
674	559560	924887	13-00041-W	MIAMI SHORES COUNTRY CLUB	SFWMD	Golf	8	69	68	Biscayne	-
675	559560	924887	13-00041-W	MIAMI SHORES COUNTRY CLUB	SFWMD	Golf	8	69	68	Biscayne	-
676	516312	894136	13-00056-W	GRANADA Golf COURSE	SFWMD	Golf	2	100	50	Biscayne	-
677	544780	943300	13-01556-W	LA GORCE COUNTRY CLUB	SFWMD	Golf	17.4	940	900	Upper Floridan	-
678	547833	943092	13-01556-W	LA GORCE COUNTRY CLUB	SFWMD	Golf	17	942	910	Upper Floridan	-
679	545216	943170	13-01556-W	LA GORCE COUNTRY CLUB	SFWMD	Golf	6	950	840	Upper Floridan	-
680	510130	901640	13-05492-W	FPL COCONUT GROVE SUBSTN GROUNDWATER REMEDIATION	SFWMD	Industrial	4	7	8	Biscayne	-
681	544291	883568	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	2	11	1	Biscayne	-
682	544472	883521	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	2	11.9	1.9	Biscayne	-
683	544024	883605	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	12	2	Biscayne	-
684	544385	883543	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	2	12	2	Biscayne	-
685	544196	883600	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	2	12	2	Biscayne	-
686	544350	883507	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	12.35	2.35	Biscayne	-
687	544484	883419	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	12.56	2.56	Biscayne	-
688	571188.75	934209.76	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	12.6	2.6	Biscayne	-
689	573297.55	936027.54	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	12.6	2.6	Biscayne	-
690	544377	883442	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	12.65	2.65	Biscayne	-
691	571616.14	935697.24	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	1	13	1	Biscayne	-
692	544161	883537	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.08	3.08	Biscayne	-
693	544233	883588	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.2	3.2	Biscayne	-
694	544397	883497	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.24	3.24	Biscayne	-
695	544082	883586	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.31	3.31	Biscayne	-
696	544336	883460	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.38	3.38	Biscayne	-
697	544456	883480	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.38	3.38	Biscayne	-
698	543886	883583	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.45	3.45	Biscayne	-
699	544291	883533	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.51	3.51	Biscayne	-
700	543975	883564	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.56	3.56	Biscayne	-
701	544137	883577	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.57	3.57	Biscayne	-
702	544442	883432	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.71	3.71	Biscayne	-
703	544232	883554	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.72	3.72	Biscayne	-
704	544342	883554	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.74	3.74	Biscayne	-
705	543937	883574	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.8	3.8	Biscayne	-
706	543978	883619	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.8	3.8	Biscayne	-
707	544425	883531	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.9	3.9	Biscayne	-
708	543925	883637	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	13.97	3.97	Biscayne	-
709	544104	883521	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	14	4	Biscayne	-
710	544045	883537	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	14.05	4.05	Biscayne	-
711	544224	883495	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	14.08	4.08	Biscayne	-
712	544269	883480	13-00716-W	FLORIDA EAST COAST HIALEAH LOCOMOTIVE SERVICE AREA	SFWMD	Industrial	4	14.82	4.82	Biscayne	-

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
713	573732.18	935819.91	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	14.9	9.9	Biscayne	
714	527930	910395	13-05862-W	FLORIDA POWER AND LIGHT - LAWRENCE SUBSTATION	SFWMD	Industrial	4	15	5	Biscayne	
715	571263.2	935096.17	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	16.5	4.5	Biscayne	
716	571263.2	935096.17	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	16.5	4.5	Biscayne	
717	571202.76	934262.02	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	17.5	5.5	Biscayne	
718	572297.12	935233.52	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	17.5	3.5	Biscayne	
719	571202.76	934262.02	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	17.5	5.5	Biscayne	
720	571184.51	933903.65	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	17.8	5.8	Biscayne	
721	571252.84	934789.09	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	17.8	5.8	Biscayne	
722	571184.51	933903.65	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	17.8	5.8	Biscayne	
723	571252.84	934789.09	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	17.8	5.8	Biscayne	
724	571172.96	933652	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	17.9	5.9	Biscayne	
725	571172.96	933652	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	17.9	5.9	Biscayne	
726	571792.86	935183.9	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	18	3.9	Biscayne	
727	527910	910395	13-05862-W	FLORIDA POWER AND LIGHT - LAWRENCE SUBSTATION	SFWMD	Industrial	4	18	5	Biscayne	
728	527945	910405	13-05862-W	FLORIDA POWER AND LIGHT - LAWRENCE SUBSTATION	SFWMD	Industrial	4	18	5	Biscayne	
729	527970	910410	13-05862-W	FLORIDA POWER AND LIGHT - LAWRENCE SUBSTATION	SFWMD	Industrial	4	18	5	Biscayne	
730	527975	910430	13-05862-W	FLORIDA POWER AND LIGHT - LAWRENCE SUBSTATION	SFWMD	Industrial	4	18	5	Biscayne	
731	527885	910395	13-05862-W	FLORIDA POWER AND LIGHT - LAWRENCE SUBSTATION	SFWMD	Industrial	4	18.25	13.83	Biscayne	
732	572234.01	935215.07	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	18.6	6.6	Biscayne	
733	572234.01	935215.07	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	18.6	6.6	Biscayne	
734	571317.66	935217.24	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	18.8	6.8	Biscayne	
735	571317.66	935217.24	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	18.8	6.8	Biscayne	
736	572831.01	935077.61	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	19.1	5.1	Biscayne	
737	572011.35	935214.68	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	19.4	7.4	Biscayne	
738	572011.35	935214.68	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	19	7.4	Biscayne	
739	571247.35	934525.57	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	19.5	7.5	Biscayne	
740	571247.35	934525.57	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	19.5	7.5	Biscayne	
741	572566.02	935514.52	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	20	10	Biscayne	
742	571817.27	935216.52	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	20.3	8.3	Biscayne	
743	571817.27	935216.52	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	20.3	8.3	Biscayne	
744	571239.21	934887.22	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	21	6	Biscayne	
745	574912.48	935118.21	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	21	16	Biscayne	
746	510150	901630	13-05492-W	FPL COCONUT GROVE SUBSTN GROUNDWATER REMEDIATION	SFWMD	Industrial	2	21	11	Biscayne	
747	510130	901500	13-05492-W	FPL COCONUT GROVE SUBSTN GROUNDWATER REMEDIATION	SFWMD	Industrial	2	21	11	Biscayne	
748	571553.5	935205.76	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	21.5	9.5	Biscayne	
749	574303.49	935834.19	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	21.5	7.5	Biscayne	
750	571553.5	935205.76	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	21.5	9.5	Biscayne	
751	572471.39	935051.38	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	22.5	10.2	Biscayne	
752	572471.39	935051.38	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	22.5	10.2	Biscayne	
753	510125	901480	13-05492-W	FPL COCONUT GROVE SUBSTN GROUNDWATER REMEDIATION	SFWMD	Industrial	4	23	8	Biscayne	
754	510125	901550	13-05492-W	FPL COCONUT GROVE SUBSTN GROUNDWATER REMEDIATION	SFWMD	Industrial	4	23	8	Biscayne	
755	510149	901570	13-05492-W	FPL COCONUT GROVE SUBSTN GROUNDWATER REMEDIATION	SFWMD	Industrial	4	23	8	Biscayne	
756	510125	901530	13-05492-W	FPL COCONUT GROVE SUBSTN GROUNDWATER REMEDIATION	SFWMD	Industrial	4	23	8	Biscayne	
757	510125	901570	13-05492-W	FPL COCONUT GROVE SUBSTN GROUNDWATER REMEDIATION	SFWMD	Industrial	4	23	8	Biscayne	
758	510165	901640	13-05492-W	FPL COCONUT GROVE SUBSTN GROUNDWATER REMEDIATION	SFWMD	Industrial	4	23	8	Biscayne	
759	571189.97	933440.45	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	23.2	8.2	Biscayne	
760	571208.84	933937.83	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	23.3	8.3	Biscayne	
761	575569.39	933555.62	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	23.6	18.6	Biscayne	
762	571288.86	935296.04	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	25	15	Biscayne	
763	573115.18	935219.61	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	1	25	20	Biscayne	
764	571699.1	935276.4	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	25.5	20.5	Biscayne	
765	573123.71	935250.82	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	26.6	14.6	Biscayne	
766	573123.71	935250.82	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	26.6	14.6	Biscayne	
767	571235.7	934440.71	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	26.8	11.8	Biscayne	
768	575226	934698	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	27	14.5	Biscayne	
769	575226	934698	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	27	14.5	Biscayne	
770	572964.47	935051.56	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	27.3	15.3	Biscayne	
771	572964.47	935051.56	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	27.3	15.3	Biscayne	
772	574371.2	935052.74	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	1	27.5	22.5	Biscayne	
773	575035.1	934711.2	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	27.8	14	Biscayne	
774	575035.1	934711.2	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	27.8	14	Biscayne	
775	574554.14	935410.28	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	28	23	Biscayne	
776	574393.86	933973.01	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	28	23	Biscayne	
777	575304.2	934488.69	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	1	28	23	Biscayne	
778	572732.34	934917.82	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	29.9	17.9	Biscayne	
779	572732.34	934917.82	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	29.9	17.9	Biscayne	
780	510190	901570	13-05492-W	FPL COCONUT GROVE SUBSTN GROUNDWATER REMEDIATION	SFWMD	Industrial	4	30	20	Biscayne	
781	574780.26	934661.42	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	1	30	25	Biscayne	
782	574683.7	934694.1	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	30.5	16	Biscayne	
783	574825.1	934722	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	30.5	16.5	Biscayne	
784	573139.1	935318.9	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	30.5	15	Biscayne	
785	574683.7	934694.1	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	30.5	16	Biscayne	
786	574825.1	934722	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	30.5	16.5	Biscayne	
787	573139.1	935318.9	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	30.5	15	Biscayne	
788	573681.7	935469.3	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	31.5	18	Biscayne	
789	573681.7	935469.3	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	32	18	Biscayne	
790	572047.83	933664.72	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	31.7	21	Biscayne	
791	575754.69	935053.81	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	32	22	Biscayne	
792	573233.3	935782.5	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	32.2	19.5	Biscayne	
793	573233.3	935782.5	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	32.2	19.5	Biscayne	
794	573207	935437.6	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	32.5	19	Biscayne	
795	572888.1	934912.8	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	32.5	19.5	Biscayne	
796	573207	935437.6	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	32.5	19	Biscayne	
797	572888.1	934912.8	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	33	19.5	Biscayne	
798	573504.9	935352.4	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	33	20	Biscayne	
799	574123.8	935468.3	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	33	20	Biscayne	
800	573504.9	935352.4	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	33	20	Biscayne	
801	574123.8	935468.3	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	33	20	Biscayne	

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
802	573889.9	935475	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	33.5	19.5	Biscayne	-
803	573889.9	935475	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	33.5	19.5	Biscayne	-
804	573023.1	935081.1	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	34.5	19.5	Biscayne	-
805	571281.82	935170.84	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	1	34.5	29.5	Biscayne	-
806	573023.1	935081.1	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	34.5	19.5	Biscayne	-
807	514707	874741	13-04886-W	CORAL WAY CITGO CAR WASH	SFWMD	Industrial	2	35	32	Biscayne	-
808	572593.07	934975.51	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	1	35	30	Biscayne	-
809	572944.68	933911.93	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	36	31	Biscayne	-
810	573607.87	935365.34	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	36	31	Biscayne	-
811	574352	935321.5	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	36.5	24	Biscayne	-
812	574352	935321.5	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	36.5	24	Biscayne	-
813	571192.32	934044.26	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	36.6	24.6	Biscayne	-
814	571192.32	934044.26	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	36.6	24.6	Biscayne	-
815	573636.93	935277.6	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	1	38	33	Biscayne	-
816	574001.76	935438.57	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	38	33	Biscayne	-
817	530703	913640	13-03086-W	VETERANS ADMIN HOSPITAL MIAMI	SFWMD	Industrial	12	40	30	Biscayne	-
818	531073	921040	13-02029-W	CEMEX - DOWNTOWN MIAMI READY MIX	SFWMD	Industrial	8	40	30	Biscayne	-
819	534572	900234	13-03589-W	CONCRETE PLandscapeT FOR MIAMI INTERMODAL CENTER	SFWMD	Industrial	4	40	38	Biscayne	-
820	530672	913674	13-03086-W	VETERANS ADMIN HOSPITAL MIAMI	SFWMD	Industrial	12	40	30	Biscayne	-
821	571249.93	934711.13	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	40	30	Biscayne	-
822	573180.79	935348.84	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	42	37	Biscayne	-
823	571227.19	933794.18	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	42	32	Biscayne	-
824	574496.3	934920.1	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	42.5	20.5	Biscayne	-
825	574496.3	934920.1	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	6	42.5	20.5	Biscayne	-
826	506608	881891	13-03521-W	SOUTH MIAMI READY MIX	SFWMD	Industrial	6	43	0	Biscayne	-
827	506603	881930	13-03521-W	SOUTH MIAMI READY MIX	SFWMD	Industrial	4	43	0	Biscayne	-
828	571261.99	934304.16	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	43.5	38.5	Biscayne	-
829	574017.57	935345.4	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	1	44	39	Biscayne	-
830	532745	919886	13-01760-W	METROMIX OF SOUTH FLORIDA PLandscapeT NO 3	SFWMD	Industrial	4	45	0	Biscayne	-
831	514937	884106	13-05027-W	CHEVRON GAS STATION CAR WASH	SFWMD	Industrial	2	45	42	Biscayne	-
832	514693	897738	13-05567-W	550 BILTMORE	SFWMD	Industrial	5	45	40	Biscayne	-
833	529498	915496	13-06368-W	UNIVERSITY OF MIAMI - JACKSON CENTRAL ENERGY PLandscapeT	SFWMD	Industrial	3	45	35	Biscayne	-
834	529473	915498	13-06368-W	UNIVERSITY OF MIAMI - JACKSON CENTRAL ENERGY PLandscapeT	SFWMD	Industrial	3	45	35	Biscayne	-
835	529448	915497	13-06368-W	UNIVERSITY OF MIAMI - JACKSON CENTRAL ENERGY PLandscapeT	SFWMD	Industrial	3	45	35	Biscayne	-
836	529427	915498	13-06368-W	UNIVERSITY OF MIAMI - JACKSON CENTRAL ENERGY PLandscapeT	SFWMD	Industrial	3	45	35	Biscayne	-
837	574340	937580	13-00876-W	CEMEX - NORTH MIAMI READY-MIX	SFWMD	Industrial	6	50	43	Biscayne	-
838	545152	901475	13-05333-W	GOODWILL IndustriaUSTRIES OF SOUTH FLORIDA HEALTHCARE	SFWMD	Industrial	4	50	42	Biscayne	-
839	549508	921307	13-05884-W	PROGRESSIVE WASTE SOLUTIONS	SFWMD	Industrial	4	50	45	Biscayne	-
840	532607	912275	13-06211-W	OZINGA BATCH PLandscapeT NO 1	SFWMD	Industrial	3	50	40	Biscayne	-
841	532782	912126	13-06211-W	OZINGA BATCH PLandscapeT NO 1	SFWMD	Industrial	6	50	40	Biscayne	-
842	532748	912107	13-06211-W	OZINGA BATCH PLandscapeT NO 1	SFWMD	Industrial	6	50	40	Biscayne	-
843	574767.87	934721.64	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	50	40	Biscayne	-
844	575303.27	934380.59	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	50	40	Biscayne	-
845	493929.047	886894.305	13-04569-W	GULLIVER PREP	SFWMD	Industrial	8	55	40	Biscayne	-
846	494422.42	886985.351	13-04569-W	GULLIVER PREP	SFWMD	Industrial	8	55	40	Biscayne	-
847	531468	920874	13-00893-W	TARMAC- BUENA VISTA I I R M C PLandscapeT	SFWMD	Industrial	4	55	20	Biscayne	-
848	531454	920823	13-00893-W	TARMAC- BUENA VISTA I I R M C PLandscapeT	SFWMD	Industrial	4	55	20	Biscayne	-
849	574413.51	935157.55	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Industrial	2	59	49	Biscayne	-
850	513810	895410	13-00049-W	VENETIAN POOL	SFWMD	Industrial	18	60	45	Biscayne	-
851	507255	906557	13-02569-W	YACHT HARBOUR CONDO	SFWMD	Industrial	4	60	51	Biscayne	-
852	513980	895290	13-00049-W	VENETIAN POOL	SFWMD	Industrial	18	60	45	Biscayne	-
853	531107	876903	13-03546-W	BAPTIST HEALTH SOUTH FLORIDA	SFWMD	Industrial	3	60	55	Biscayne	-
854	545409	902834	13-05731-W	CROWN LINEN	SFWMD	Industrial	4	60	50	Biscayne	-
855	529540	900494	13-03554-W	GRAPELandscapeD WATER PARK	SFWMD	Industrial	6	65	40	Biscayne	-
856	543258	881398	13-05508-W	AMERICAN BOTTLING CORP	SFWMD	Industrial	8	65	55	Biscayne	-
857	507360	882637	13-00825-W	CEMEX - SOUTH MIAMI READY MIX	SFWMD	Industrial	6	66	59	Biscayne	-
858	548988	916154	13-06905-W	726-730 N W 73 STREET L L C	SFWMD	Industrial	6	70	60	Biscayne	-
859	514689	897691	13-05567-W	550 BILTMORE	SFWMD	Industrial	12	70	60	Biscayne	-
860	514192	895482	13-00049-W	VENETIAN POOL	SFWMD	Industrial	24	82	48	Biscayne	-
861	514126	895512	13-00049-W	VENETIAN POOL	SFWMD	Industrial	24	83.5	49.5	Biscayne	-
862	559180	927140	13-02410-W	MIAMI SHORE AQUATIC	SFWMD	Industrial	4	100	65	Biscayne	-
863	559359	927449	13-02410-W	MIAMI SHORE AQUATIC	SFWMD	Industrial	4	100	65	Biscayne	-
864	514708	897585	13-05567-W	550 BILTMORE	SFWMD	Industrial	24	116	67	Biscayne	-
865	558884	925734	13-01590-W	MIAMI SHORES VILLAGE	SFWMD	Landscape	4	0	0	Biscayne	-
866	569320	924280	13-03906-W	NORTH MIAMI STATE SCHOOL BBB1	SFWMD	Landscape	4	0	0	Biscayne	-
867	511951	897456	13-04265-W	CITY OF CORAL GABLES IRRIGATION WELLS	SFWMD	Landscape	3	0	0	Biscayne	-
868	511826	897800	13-04265-W	CITY OF CORAL GABLES IRRIGATION WELLS	SFWMD	Landscape	2	0	0	Biscayne	-
869	514993	894856	13-04265-W	CITY OF CORAL GABLES IRRIGATION WELLS	SFWMD	Landscape	2	0	0	Biscayne	-
870	514900	893477	13-04265-W	CITY OF CORAL GABLES IRRIGATION WELLS	SFWMD	Landscape	3	0	0	Biscayne	-
871	499062	893193	13-04265-W	CITY OF CORAL GABLES IRRIGATION WELLS	SFWMD	Landscape	3	0	0	Biscayne	-
872	499829	892502	13-04265-W	CITY OF CORAL GABLES IRRIGATION WELLS	SFWMD	Landscape	3	0	0	Biscayne	-
873	515265	895280	13-04265-W	CITY OF CORAL GABLES IRRIGATION WELLS	SFWMD	Landscape	2	0	0	Biscayne	-
874	515066	898804	13-04265-W	CITY OF CORAL GABLES IRRIGATION WELLS	SFWMD	Landscape	2	0	0	Biscayne	-
875	517443	901367	13-04265-W	CITY OF CORAL GABLES IRRIGATION WELLS	SFWMD	Landscape	3	0	0	Biscayne	-
876	513074	881848	13-04265-W	CITY OF CORAL GABLES IRRIGATION WELLS	SFWMD	Landscape	4	0	0	Biscayne	-
877	501431	891606	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	14	0	Biscayne	-
878	532351	922045	13-04347-W	VERIZON WIRELESS	SFWMD	Landscape	2	15	10	Biscayne	-
879	505413	894763	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	16	0	Biscayne	-
880	560320	911480	13-03921-W	SUNSHINE LAKE APARTMENTS	SFWMD	Landscape	4	16	0	Biscayne	-
881	560420	911350	13-03921-W	SUNSHINE LAKE APARTMENTS	SFWMD	Landscape	4	16	0	Biscayne	-
882	560870	911470	13-03921-W	SUNSHINE LAKE APARTMENTS	SFWMD	Landscape	4	16	0	Biscayne	-
883	561050	911670	13-03921-W	SUNSHINE LAKE APARTMENTS	SFWMD	Landscape	4	16	0	Biscayne	-
884	501440	892508	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	18	0	Biscayne	-
885	504353	892792	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	18	0	Biscayne	-
886	503404	893219	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	18	0	Biscayne	-
887	505254	893750	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	18	0	Biscayne	-
888	505949	893856	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	18	0	Biscayne	-
889	503507	893377	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	18	0	Biscayne	-
890	502439	892328	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	4	18	0	Biscayne	-

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
891	503175	892259	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	18	0	Biscayne	-
892	503643	892951	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	18	0	Biscayne	-
893	505763	893723	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	18	0	Biscayne	-
894	504797	894334	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	18	0	Biscayne	-
895	569030	907330	13-05060-W	NEW BIRTH BAPTIST CHURCH	SFWMD	Landscape	6	18	17	Biscayne	-
896	576300	931000	13-02178-W	SOUTHERN MEMORIAL PARK	SFWMD	Landscape	10	20	20	Biscayne	-
897	501010	891516	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	0	Biscayne	-
898	503683	893962	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	20	0	Biscayne	-
899	504819	894095	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	0	Biscayne	-
900	503765	893917	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	20	0	Biscayne	-
901	501770	891551	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	0	Biscayne	-
902	505738	893567	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	0	Biscayne	-
903	503112	894657	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	0	Biscayne	-
904	503728	894247	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	0	Biscayne	-
905	502437	892551	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	4	20	0	Biscayne	-
906	501917	892694	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	20	0	Biscayne	-
907	503342	893554	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	0	Biscayne	-
908	504967	893741	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	0	Biscayne	-
909	505264	894118	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	0	Biscayne	-
910	503609	894376	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	0	Biscayne	-
911	504025	894543	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	20	0	Biscayne	-
912	503638	893583	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	20	0	Biscayne	-
913	503457	894108	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	0	Biscayne	-
914	502835	893753	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	0	Biscayne	-
915	503047	892440	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	0	Biscayne	-
916	506014	893307	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	0	Biscayne	-
917	504836	893604	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	6	20	0	Biscayne	-
918	504035	895426	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	0	Biscayne	-
919	501509	892545	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	6	20	0	Biscayne	-
920	502835	891909	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	20	0	Biscayne	-
921	503980	895102	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	15	Biscayne	-
922	503089	893445	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	15	Biscayne	-
923	502287	892004	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	15	Biscayne	-
924	502584	891381	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	15	Biscayne	-
925	503189	891453	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	20	15	Biscayne	-
926	564600	906964	13-04358-W	WESTVIEW GARDEN APARTMENTS	SFWMD	Landscape	3	20	20	Biscayne	-
927	509032.404	881137.095	13-04519-W	BIRD ROAD PROFESSIONAL CENTER	SFWMD	Landscape	2	20	0	Biscayne	-
928	503679	894657	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	20	15	Biscayne	-
929	488612	880653	13-05199-W	10101 S DIXIE HWY	SFWMD	Landscape	4	20	15	Biscayne	-
930	514647	901332	13-05071-W	ALMERIA	SFWMD	Landscape	4	20	15	Biscayne	-
931	503808	896110	13-05917-W	TEMPLE JUDEA	SFWMD	Landscape	2	20	15	Biscayne	-
932	548550	918030	13-05490-W	VILLAGES CARVERS	SFWMD	Landscape	4	20	15	Biscayne	-
933	503936	896199	13-05917-W	TEMPLE JUDEA	SFWMD	Landscape	2	20	15	Biscayne	-
934	565977	903782	13-06970-W	PORTSAID SITE DEVELOPMENT	SFWMD	Landscape	2	20	15	Biscayne	-
935	500220	886137	13-01183-W	DAVIS GARDENS	SFWMD	Landscape	2.5	24	20	Biscayne	-
936	500440	886337	13-01183-W	DAVIS GARDENS	SFWMD	Landscape	2.5	24	20	Biscayne	-
937	560072	904699	13-00872-W	MIAMI DADE COLLEGE	SFWMD	Landscape	3	25	20	Biscayne	-
938	519692	877606	13-01752-W	MAJESTIC PLAZA	SFWMD	Landscape	2	25	0	Biscayne	-
939	560228	915969	13-03695-W	LAZARO GONZALEZ	SFWMD	Landscape	2	25	15	Biscayne	-
940	540768	878675	13-03789-W	MAJO AT DORAL	SFWMD	Landscape	2	25	20	Biscayne	-
941	499195	892960	13-04341-W	COCO PLUM WOMAN'S CLUB	SFWMD	Landscape	2	25	21	Biscayne	-
942	550680	913796	13-04500-W	GAS STATION	SFWMD	Landscape	6	25	20	Biscayne	-
943	509595	884236	13-04911-W	EL CARWASH L L C	SFWMD	Landscape	2	25	20	Biscayne	-
944	522153	914311	13-03968-W	MERMAC WAREHOUSES DEVELOPMENT	SFWMD	Landscape	2	25	20	Biscayne	-
945	492673	887318	13-04458-W	STRITTER ESTATES	SFWMD	Landscape	4	25	20	Biscayne	-
946	559707	903049	13-00872-W	MIAMI DADE COLLEGE	SFWMD	Landscape	3	25	20	Biscayne	-
947	519582	876264	13-04673-W	WESTCHESTER POINT PLAZA	SFWMD	Landscape	2	25	20	Biscayne	-
948	527793	879864	13-03853-W	LE JEUNE AIRPORT SUITES	SFWMD	Landscape	2	25	20	Biscayne	-
949	527540	880019	13-03853-W	LE JEUNE AIRPORT SUITES	SFWMD	Landscape	2	25	20	Biscayne	-
950	498035	891589	13-04633-W	THE TOWNHOMES AT OAKLandscapeE	SFWMD	Landscape	2	25	20	Biscayne	-
951	498041	891732	13-04633-W	THE TOWNHOMES AT OAKLandscapeE	SFWMD	Landscape	2	25	20	Biscayne	-
952	497750	891610	13-04633-W	THE TOWNHOMES AT OAKLandscapeE	SFWMD	Landscape	2	25	20	Biscayne	-
953	497757	891743	13-04633-W	THE TOWNHOMES AT OAKLandscapeE	SFWMD	Landscape	2	25	20	Biscayne	-
954	503951	892549	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	25	21	Biscayne	-
955	504099	892688	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	25	21	Biscayne	-
956	502607	894474	13-05848-W	UNIVERSITY SHOPPING CENTER	SFWMD	Landscape	2	25	20	Biscayne	-
957	537488	897743	13-06381-W	ALADDIN HOTEL	SFWMD	Landscape	2	25	21	Biscayne	-
958	509690	890096	13-07041-W	BISCAYA RED BIRD HOLDINGS LLC	SFWMD	Landscape	2	25	20	Biscayne	-
959	560923	902577	13-00872-W	MIAMI DADE COLLEGE	SFWMD	Landscape	10	30	20	Biscayne	
960	561695	903692	13-00872-W	MIAMI DADE COLLEGE	SFWMD	Landscape	4	30	25	Biscayne	
961	525318	891071	13-00593-W	FLORIDA POWER & LIGHT COMAPNY	SFWMD	Landscape	2	30	30	Biscayne	
962	523069	897993	13-00593-W	FLORIDA POWER & LIGHT COMAPNY	SFWMD	Landscape	3	30	30	Biscayne	
963	523345	898024	13-00593-W	FLORIDA POWER & LIGHT COMAPNY	SFWMD	Landscape	3	30	30	Biscayne	
964	523132	898343	13-00593-W	FLORIDA POWER & LIGHT COMAPNY	SFWMD	Landscape	3	30	30	Biscayne	
965	552171	916810	13-02228-W	SOAR MARTIN LUTHER KING MARVA Y BANNERMAN AND OLIndustria A PARKS	SFWMD	Landscape	4	30	20	Biscayne	
966	544390	902761	13-02228-W	SOAR MARTIN LUTHER KING MARVA Y BANNERMAN AND OLIndustria A PARKS	SFWMD	Landscape	6	30	20	Biscayne	
967	540770	907091	13-02228-W	SOAR MARTIN LUTHER KING MARVA Y BANNERMAN AND OLIndustria A PARKS	SFWMD	Landscape	3	30	20	Biscayne	
968	541728	909251	13-02228-W	SOAR MARTIN LUTHER KING MARVA Y BANNERMAN AND OLIndustria A PARKS	SFWMD	Landscape	3	30	20	Biscayne	
969	477335	889776	13-02218-W	CHAPMAN FIELD PARK AND EUREKA PARK	SFWMD	Landscape	4	30	20	Biscayne	
970	514473	882527	13-02227-W	BROTHERS TO THE RESCUE AND TROPICAL PARKS	SFWMD	Landscape	4	30	20	Biscayne	
971	508673	878078	13-02227-W	BROTHERS TO THE RESCUE AND TROPICAL PARKS	SFWMD	Landscape	4	30	20	Biscayne	
972	507929	879225	13-02227-W	BROTHERS TO THE RESCUE AND TROPICAL PARKS	SFWMD	Landscape	4	30	20	Biscayne	
973	510490	883790	13-02236-W	A D DOUG BARNES RUBEN DARIO	SFWMD	Landscape	6	30	20	Biscayne	
974	511300	883515	13-02236-W	A D DOUG BARNES RUBEN DARIO	SFWMD	Landscape	4	30	20	Biscayne	
975	523908	905682	13-02237-W	KENDALL IndustriaAN HAMMOCKS, CORAL EST, MIA-DADE AUDI, SUN LAKES	SFWMD	Landscape	2	30	20	Biscayne	
976	545052	908927	13-02245-W	AFRICAN CULTURAL GWEN ARCOLA ARCOLA LAKES	SFWMD	Landscape	4	30	20	Biscayne	
977	552134	912985	13-02245-W	AFRICAN CULTURAL GWEN ARCOLA ARCOLA LAKES	SFWMD	Landscape	3	30	20	Biscayne	
978	553237	911113	13-02245-W	AFRICAN CULTURAL GWEN ARCOLA ARCOLA LAKES	SFWMD	Landscape	3	30	20	Biscayne	
979	535728	877697	13-01074-W	FLORIDA POWER AND LIGHT COMPANY	SFWMD	Landscape	2	30	0	Biscayne	

QUALITY. VALUE. ECONOMIC GROWTH.
WWW.MIAMIDADE.GOV/WATER

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
980	537251	896529	13-01074-W	FLORIDA POWER AND LIGHT COMPANY	SFWMD	Landscape	2	30	0	Biscayne	-
981	508453	884789	13-02201-W	GABLES COURT (FKA LUDLAM POINT)	SFWMD	Landscape	6	30	20	Biscayne	-
982	535728	877697	13-01074-W	FLORIDA POWER AND LIGHT COMPANY	SFWMD	Landscape	2	30	0	Biscayne	-
983	537251	896529	13-01074-W	FLORIDA POWER AND LIGHT COMPANY	SFWMD	Landscape	2	30	0	Biscayne	-
984	560420	918540	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
985	559870	918570	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
986	561090	919250	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
987	561150	920590	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
988	559590	919830	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
989	558760	919960	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
990	555140	920120	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
991	559460	919780	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
992	559380	919780	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
993	556310	918100	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
994	556920	921590	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
995	556970	922520	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
996	557100	922820	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
997	556930	922760	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
998	556950	923120	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
999	557000	923570	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1000	556000	925260	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1001	514500	912680	13-00515-W	SOUTHEASTERN DADE SUBSTATIONS	SFWMD	Landscape	2	30	0	Biscayne	-
1002	486680	891630	13-00515-W	SOUTHEASTERN DADE SUBSTATIONS	SFWMD	Landscape	2	30	0	Biscayne	-
1003	541604	909051	13-02228-W	SOAR MARTIN LUTHER KING MARVA Y BANNERMAN AND OLIndustriaA PARKS	SFWMD	Landscape	3	30	20	Biscayne	-
1004	508550	880127	13-02227-W	BROTHERS TO THE RESCUE AND TROPICAL PARKS	SFWMD	Landscape	4	30	20	Biscayne	-
1005	508638	878849	13-02227-W	BROTHERS TO THE RESCUE AND TROPICAL PARKS	SFWMD	Landscape	4	30	20	Biscayne	-
1006	570506	931676	13-02235-W	ARCH CREEK PARK AND LITTLE RIVER PARK	SFWMD	Landscape	4	30	20	Biscayne	-
1007	559434	906240	13-02235-W	ARCH CREEK PARK AND LITTLE RIVER PARK	SFWMD	Landscape	3	30	20	Biscayne	-
1008	509740	883610	13-02236-W	A D DOUG BARNES RUBEN DARIO	SFWMD	Landscape	3	30	20	Biscayne	-
1009	547638	907812	13-02245-W	AFRICAN CULTURAL GWEN ARCOLA ARCOLA LAKES	SFWMD	Landscape	4	30	20	Biscayne	-
1010	547706	907968	13-02245-W	AFRICAN CULTURAL GWEN ARCOLA ARCOLA LAKES	SFWMD	Landscape	6	30	20	Biscayne	-
1011	547461	907343	13-02245-W	AFRICAN CULTURAL GWEN ARCOLA ARCOLA LAKES	SFWMD	Landscape	4	30	20	Biscayne	-
1012	561500	918490	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1013	560970	918520	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1014	556150	921250	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1015	555870	921605	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1016	555700	921630	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1017	556070	921940	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1018	556370	922200	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1019	556730	922490	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1020	556810	919060	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1021	556860	919890	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1022	556890	921230	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1023	557020	924340	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1024	557070	925150	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1025	557100	925760	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1026	559340	927390	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	4	30	0	Biscayne	-
1027	558260	926770	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1028	554870	924480	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1029	558340	921190	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	4	30	0	Biscayne	-
1030	558340	921430	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	3	30	0	Biscayne	-
1031	558310	925120	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1032	562660	917380	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1033	556860	920240	13-04304-W	MIAMI SHORES VILLAGE IRRIGATED AREAS USING WELL WATER	SFWMD	Landscape	2	30	0	Biscayne	-
1034	563154	902728	13-00872-W	MIAMI-DADE COLLEGE	SFWMD	Landscape	3	30	25	Biscayne	-
1035	551930	888846	13-03619-W	HIALEAH PARKS FILER PARK JAMES H GOODLET BALL FIELD	SFWMD	Landscape	4	30	0	Biscayne	-
1036	563091	896717	13-03621-W	HIALEAH PARKS ARTMAN PARK HIALEAH J R PARK	SFWMD	Landscape	4	30	0	Biscayne	-
1037	557275	890943	13-03624-W	HIALEAH PARKS H L MILandscapeDER REC AND COMM SRV S E J S WALKER	SFWMD	Landscape	4	30	0	Biscayne	-
1038	560029	896413	13-03624-W	HIALEAH PARKS H L MILandscapeDER REC AND COMM SRV S E J S WALKER	SFWMD	Landscape	4	30	0	Biscayne	-
1039	538717	898923	13-03624-W	HIALEAH PARKS H L MILandscapeDER REC AND COMM SRV S E J S WALKER	SFWMD	Landscape	4	30	0	Biscayne	-
1040	550461	886631	13-03624-W	HIALEAH PARKS H L MILandscapeDER REC AND COMM SRV S E J S WALKER	SFWMD	Landscape	4	30	0	Biscayne	-
1041	557312	891399	13-03177-W	HIALEAH PARKS AND RECREATIONAL FACILITIES	SFWMD	Landscape	3	30	0	Biscayne	-
1042	548770	887531	13-03177-W	HIALEAH PARKS AND RECREATIONAL FACILITIES	SFWMD	Landscape	3	30	0	Biscayne	-
1043	543671	895840	13-03177-W	HIALEAH PARKS AND RECREATIONAL FACILITIES	SFWMD	Landscape	4	30	0	Biscayne	-
1044	514840	883436	13-04111-W	RANCHO LOS COCOS	SFWMD	Landscape	2	30	20	Biscayne	-
1045	514840	883436	13-04111-W	RANCHO LOS COCOS	SFWMD	Landscape	2	30	20	Biscayne	-
1046	530373	877231	13-04790-W	MIAMI INTERNATIONAL COMMERCE CENTER (TRACT 37 - IRRIGATION)	SFWMD	Landscape	2	30	30	Biscayne	-
1047	536441	902075	13-04279-W	ELITE CONSTRUCTION WAREHOUSES	SFWMD	Landscape	3	30	20	Biscayne	-
1048	550122	896048	13-04763-W	I M C - E HIALEAH STAFF PARKING LOT	SFWMD	Landscape	3	30	25	Biscayne	-
1049	523210	892171	13-03097-W	FLAGLER MEMORIAL PARK	SFWMD	Landscape	3	30	20	Biscayne	-
1050	553396	897008	13-03618-W	HIALEAH PARKS JAMES H BRIGHT RUSSEL BUCKY DENT	SFWMD	Landscape	2.5	30	0	Biscayne	-
1051	549157	888769	13-03617-W	HIALEAH PARKS ARTMAN EXT CASAS JOHNNY L COTSON VICTOR WILDE	SFWMD	Landscape	4	30	0	Biscayne	-
1052	552725	921118	13-04438-W	PINNACLE SQUARE	SFWMD	Landscape	2	30	30	Biscayne	-
1053	530879	878640	13-04791-W	PSBP IndustrialUSTRIAL (1901 N W 79TH AVE)	SFWMD	Landscape	2	30	30	Biscayne	-
1054	544730	915977	13-05711-W	MIAMI YOUTH GARDEN	SFWMD	Landscape	2	30	25	Biscayne	-
1055	538266.3004	897941.2332	13-07111-W	LE JEUNE GARDENS	SFWMD	Landscape	2	30	20	Biscayne	-
1056	528505	917095	13-05667-W	ST MARTINS PLACE APARTMENTS	SFWMD	Landscape	2	30	20	Biscayne	-
1057	541946	909218	13-02228-W	SOAR MARTIN LUTHER KING MARVA Y BANNERMAN AND OLIndustriaA PARKS	SFWMD	Landscape	3	30	20	Biscayne	-
1058	541629	879082	13-05643-W	1315 LINK OFFICE	SFWMD	Landscape	3	30	25	Biscayne	-
1059	509217	876557	13-01784-W	SUNTRUST BANK	SFWMD	Landscape	4	30	20	Biscayne	-
1060	520904	920667	13-05794-W	BRICKELL VIEW TERRACE	SFWMD	Landscape	3	30	20	Biscayne	-
1061	507607	902320	13-05572-W	GIBSON CENTER	SFWMD	Landscape	3	30	20	Biscayne	-
1062	572357	921269	13-05033-W	PALIDEUM	SFWMD	Landscape	2	30	25	Biscayne	-
1063	546520	924689	13-04491-W	OFFICE RETAIL REMODELING	SFWMD	Landscape	2	33	29	Biscayne	-
1064	561449	903561	13-00872-W	MIAMI-DADE COLLEGE	SFWMD	Landscape	10	35	20	Biscayne	-
1065	533842	916000	13-01934-W	MIAMI STADIUM APARTMENTS	SFWMD	Landscape	3	35	35	Biscayne	-
1066	536510	887200	13-03731-W	PHYSICIANS HEALTH CENTER	SFWMD	Landscape	2	35	30	Biscayne	-
1067	562129	904378	13-00872-W	MIAMI-DADE COLLEGE	SFWMD	Landscape	10	35	20	Biscayne	-
1068	511522	904561	13-02961-W	BOYS & GIRLS CLUBS OF MIAMI	SFWMD	Landscape	4	35	30	Biscayne	-

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
1069	500795	890800	13-04388-W	RED ROAD COMMONS	SFWMD	Landscape	3	35	30	Biscayne	-
1070	490490	883270	13-03026-W	ROYAL PALM TENNIS CLUB	SFWMD	Landscape	3	35	30	Biscayne	-
1071	549407.6504	889173.3798	13-07052-W	HHA SEMINOLA DEVELOPMENT	SFWMD	Landscape	4	35	25	Biscayne	-
1072	562057	919430	13-01649-W	BARRY UNIVERSITY	SFWMD	Landscape	3	40	40	Biscayne	-
1073	562850	919624	13-01649-W	BARRY UNIVERSITY	SFWMD	Landscape	3	40	40	Biscayne	-
1074	562267	920466	13-01649-W	BARRY UNIVERSITY	SFWMD	Landscape	3	40	40	Biscayne	-
1075	561879	919883	13-01649-W	BARRY UNIVERSITY	SFWMD	Landscape	3	40	40	Biscayne	-
1076	561922	920660	13-01649-W	BARRY UNIVERSITY	SFWMD	Landscape	3	40	40	Biscayne	-
1077	562640	919818	13-01649-W	BARRY UNIVERSITY	SFWMD	Landscape	3	40	40	Biscayne	-
1078	562543	920984	13-01649-W	BARRY UNIVERSITY	SFWMD	Landscape	3	40	40	Biscayne	-
1079	485409	892063	13-04029-W	UNIVERSITY OF MIAMI SMATHERS FOUR FILLIES FARM PROJECT	SFWMD	Landscape	6	40	30	Biscayne	-
1080	523019	878490	13-04658-W	LEON MEDICAL CENTER - FLAGLER	SFWMD	Landscape	3	40	40	Biscayne	-
1081	486474	891115	13-03212-W	PINECREST GARDENS	SFWMD	Landscape	4	40	0	Biscayne	-
1082	486541	891629	13-03212-W	PINECREST GARDENS	SFWMD	Landscape	4	40	0	Biscayne	-
1083	486270	891231	13-03212-W	PINECREST GARDENS	SFWMD	Landscape	4	40	0	Biscayne	-
1084	485985	891701	13-03212-W	PINECREST GARDENS	SFWMD	Landscape	4	40	0	Biscayne	-
1085	509499	874461	13-04583-W	BIRD AND 87TH AVENUE VILLAGE	SFWMD	Landscape	2	40	35	Biscayne	-
1086	550088	905885	13-03274-W	VALENCIA POINTE	SFWMD	Landscape	6	40	0	Biscayne	-
1087	536686	880076	13-03723-W	MIAMI HILTON PLAZA	SFWMD	Landscape	4	40	30	Biscayne	-
1088	536531	880510	13-03723-W	MIAMI HILTON PLAZA	SFWMD	Landscape	4	40	30	Biscayne	-
1089	536465	879918	13-03723-W	MIAMI HILTON PLAZA	SFWMD	Landscape	4	40	30	Biscayne	-
1090	577150	931120	13-03726-W	PARK FACILITIES OF NORTH MIAMI BEACH	SFWMD	Landscape	3	40	35	Biscayne	-
1091	576890	929030	13-03726-W	PARK FACILITIES OF NORTH MIAMI BEACH	SFWMD	Landscape	2	40	35	Biscayne	-
1092	566308	927360	13-04398-W	CASA BONITA (12405 N E 4TH AVENUE)	SFWMD	Landscape	2	40	35	Biscayne	-
1093	488117	880489	13-04142-W	DIXIE PLAZA AT 10205 DIXIE HIGHWAY	SFWMD	Landscape	2	40	35	Biscayne	-
1094	550352	913809	13-06667-W	SUNSET POINTE ASSOCIATES	SFWMD	Landscape	4	40	15	Biscayne	-
1095	521272	918243	13-05343-W	AMISTAD APARTMENTS	SFWMD	Landscape	3	40	30	Biscayne	-
1096	536918.96	878690.05	13-06739-W	DORAL BOULEVARD - 97TH TO 826 MEDIANS	SFWMD	Landscape	4	40	30	Biscayne	-
1097	481940	882763	13-05098-W	ST LOUIS CATHOLIC CHURCH COVENANT	SFWMD	Landscape	4	40	30	Biscayne	-
1098	572243	931462	13-05541-W	TARGET STORE NUMBER T1038	SFWMD	Landscape	2	40	35	Biscayne	-
1099	541989	907576	13-06496-W	GREATER MIAMI	SFWMD	Landscape	2	40	38	Biscayne	-
1100	506794	878644	13-02227-W	BROTHERS TO THE RESCUE AND TROPICAL PARKS	SFWMD	Landscape	6	40	30	Biscayne	-
1101	550283	896345	13-00910-W	HIALEAH HOSPITAL	SFWMD	Landscape	2	40	0	Biscayne	-
1102	550400	896569	13-00910-W	HIALEAH HOSPITAL	SFWMD	Landscape	2	40	0	Biscayne	-
1103	498730	889045	13-05297-W	G P MEDICAL CENTER	SFWMD	Landscape	2	40	31	Biscayne	-
1104	536486	886084	13-05381-W	SPACE COAST CREDIT UNION	SFWMD	Landscape	2	40	30	Biscayne	-
1105	521079	904442	13-06038-W	VALUE STORE IT SELF STORAGE	SFWMD	Landscape	2	40	35	Biscayne	-
1106	488577	880847	13-05120-W	FRENCH VILLAGE IN PINECREST	SFWMD	Landscape	2	42	35	Biscayne	-
1107	515376	903888	13-02794-W	SERGIO'S RESTAURANT	SFWMD	Landscape	2	45	42	Biscayne	-
1108	525582	892417	13-02833-W	IGLESIA BAUTISTA GETSEMNI	SFWMD	Landscape	2	45	40	Biscayne	-
1109	497483	886369	13-02848-W	METRORAIL PROJECT	SFWMD	Landscape	4	45	42	Biscayne	-
1110	518385	874456	13-03852-W	GALLOWAY GARDENS CONDO	SFWMD	Landscape	3	45	42	Biscayne	-
1111	535124	920472	13-04847-W	BUDDY'S ROADSIDE	SFWMD	Landscape	2	45	42	Biscayne	-
1112	559674	923673	13-03739-W	MIAMI NW SR,PKWY MIDDLE,MIAMI SHORES,MORNINGSIDE, NARANJA	SFWMD	Landscape	2	45	35	Biscayne	-
1113	559674	923600	13-03739-W	MIAMI NW SR,PKWY MIDDLE,MIAMI SHORES,MORNINGSIDE, NARANJA	SFWMD	Landscape	2	45	35	Biscayne	-
1114	552563	904462	13-03447-W	MIAMI PALMETTO SR, PALMETTO MS, NATHAN B YOUNG ELEM,	SFWMD	Landscape	2	45	25	Biscayne	-
1115	512360	898225	13-03148-W	PHILLIPS PARK / WAR MEMORIAL ATHLETIC FIELD	SFWMD	Landscape	6	45	20	Biscayne	-
1116	519943	921344	13-03412-W	S W MIAMI,SOUTHWOOD,SOUTHSIDE,S MIAMI HEIGHTS,S MIAMI ELEM	SFWMD	Landscape	6	45	30	Biscayne	-
1117	548288	913610	13-03427-W	MIAMI CAROL CITY SR, HORACE MANN MS, MARTIN LUTHER KING ELEM	SFWMD	Landscape	4	45	35	Biscayne	-
1118	544743.61	894759.686	13-04739-W	PEREZ LIMITED PARTNERSHIP AT 341	SFWMD	Landscape	2	45	42	Biscayne	-
1119	513897	900700	13-04344-W	OLD SPANISH VILLAGE	SFWMD	Landscape	4	45	42	Biscayne	-
1120	523840	903520	13-04331-W	FLORIDEAN Nurse ySING HOME	SFWMD	Landscape	2	45	42	Biscayne	-
1121	544757.012	894619.552	13-04740-W	PEREZ LIMITED PARTNERSHIP AT 317	SFWMD	Landscape	2	45	42	Biscayne	-
1122	542422	893967	13-04860-W	SCLAD PLAZA	SFWMD	Landscape	2	45	42	Biscayne	-
1123	540375	878800	13-05087-W	CORPORATE PARK OF DORAL	SFWMD	Landscape	3	45	42	Biscayne	-
1124	539618	878895	13-05087-W	CORPORATE PARK OF DORAL	SFWMD	Landscape	3	45	42	Biscayne	-
1125	539870	878636	13-05087-W	CORPORATE PARK OF DORAL	SFWMD	Landscape	3	45	42	Biscayne	-
1126	538057	916049	13-05503-W	MOORE PARK	SFWMD	Landscape	6	45	40	Biscayne	-
1127	534200	896480	13-05186-W	EL CAR WASH - LEJEUNE RD.	SFWMD	Landscape	2	45	42	Biscayne	-
1128	534022	906352	13-06841-W	EL CAR WASH 6	SFWMD	Landscape	2	45	42	Biscayne	-
1129	537664	919161	13-04984-W	DADDY'S JEWELRY	SFWMD	Landscape	2	45	42	Biscayne	-
1130	523863	908756	13-05135-W	LEON HEALTHY LIVING CENTER - MIAMI	SFWMD	Landscape	2	45	42	Biscayne	-
1131	513793	900841	13-05566-W	PARKING LOT	SFWMD	Landscape	2	45	40	Biscayne	-
1132	514786	883267	13-06763-W	EL CARWASH 8	SFWMD	Landscape	2	45	42	Biscayne	-
1133	510287	905062	13-02792-W	HOME DEPOT COCONUT GROVE	SFWMD	Landscape	4	50	40	Biscayne	-
1134	577450	930330	13-02174-W	SOUTHERN MEMORIAL PARK	SFWMD	Landscape	6	50	44	Biscayne	-
1135	568780	912613	13-03940-W	PEPPER BEN FRANKLIN GRIFFIN CNM LIBRARY CAGNI KIWANIS PARKS	SFWMD	Landscape	4	50	40	Biscayne	-
1136	570368	911919	13-03940-W	PEPPER BEN FRANKLIN GRIFFIN CNM LIBRARY CAGNI KIWANIS PARKS	SFWMD	Landscape	4	50	40	Biscayne	-
1137	569133	925022	13-03940-W	PEPPER BEN FRANKLIN GRIFFIN CNM LIBRARY CAGNI KIWANIS PARKS	SFWMD	Landscape	3	50	40	Biscayne	-
1138	569153	924281	13-03940-W	PEPPER BEN FRANKLIN GRIFFIN CNM LIBRARY CAGNI KIWANIS PARKS	SFWMD	Landscape	3	50	40	Biscayne	-
1139	489987	883435	13-03026-W	ROYAL PALM TENNIS CLUB	SFWMD	Landscape	6	50	35	Biscayne	-
1140	490184	883406	13-03026-W	ROYAL PALM TENNIS CLUB	SFWMD	Landscape	6	50	35	Biscayne	-
1141	514282	876108	13-03158-W	HOME DEPOT WESTCHESTER THE	SFWMD	Landscape	4	50	40	Biscayne	-
1142	565390	905330	13-03890-W	CHRIST APOSTOLIC CHURCH	SFWMD	Landscape	2	50	45	Biscayne	-
1143	565743	922163	13-03940-W	PEPPER BEN FRANKLIN GRIFFIN CNM LIBRARY CAGNI KIWANIS PARKS	SFWMD	Landscape	3	50	40	Biscayne	-
1144	546629	911031	13-03940-W	PEPPER BEN FRANKLIN GRIFFIN CNM LIBRARY CAGNI KIWANIS PARKS	SFWMD	Landscape	2	50	40	Biscayne	-
1145	553356	916454	13-04723-W	CAPTAIN HARRYS FISHING SUPPLY	SFWMD	Landscape	2	50	0	Biscayne	-
1146	560950	901405	13-04774-W	SOUTHEASTERN RECYCLING	SFWMD	Landscape	2	50	40	Biscayne	-
1147	551575	921883	13-04302-W	TABERNACLE SEVENTH-DAY ADVENTIST CHURCH	SFWMD	Landscape	2	50	45	Biscayne	-
1148	493266	892547	13-04793-W	ST THOMAS EPISCOPAL PARISH SCHOOL	SFWMD	Landscape	6	50	40	Biscayne	-
1149	500669	890631	13-00308-W	MURRAY PARK	SFWMD	Landscape	2	50	42	Biscayne	-
1150	564974	919933	13-03423-W	N MIAMI, MIAMI SPRING,DR PORTER,GoLDEN GLADES, GRATIGNY	SFWMD	Landscape	4	50	40	Biscayne	-
1151	564974	919933	13-03423-W	N MIAMI, MIAMI SPRING,DR PORTER,GoLDEN GLADES, GRATIGNY	SFWMD	Landscape	4	50	40	Biscayne	-
1152	532376	877548	13-03766-W	TRUCK STAGING AREA	SFWMD	Landscape	2	50	40	Biscayne	-
1153	518452	900793	13-03148-W	PHILLIPS PARK / WAR MEMORIAL ATHLETIC FIELD	SFWMD	Landscape	3	50	0	Biscayne	-
1154	509116	877096	13-04278-W	BIRD ROAD STARBUCKS SHOPPING CENTER	SFWMD	Landscape	2	50	40	Biscayne	-
1155	509034	875745	13-04874-W	CYCLE WORLD BUILDING	SFWMD	Landscape	3	50	0	Biscayne	-
1156	553102	920207	13-05305-W	NORTH MEDIAN ON NORTH MIAMI AVENUE	SFWMD	Landscape	2	50	42	Biscayne	-
1157	553430	920194	13-05305-W	NORTH MEDIAN ON NORTH MIAMI AVENUE	SFWMD	Landscape	2	50	42	Biscayne	-

QUALITY. VALUE. ECONOMIC GROWTH.
WWW.MIAMIDADE.GOV/WATER

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
1158	554598	920149	13-05303-W	NORTH MEDIAN ON NORTH MIAMI AVENUE	SFWMD	Landscape	2	50	42	Biscayne	-
1159	548295	881689	13-04949-W	D P S G	SFWMD	Landscape	2	50	40	Biscayne	-
1160	503539	894219	13-01580-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	50	45	Biscayne	-
1161	561664	929208	13-06081-W	LA FONTANA SHOPS	SFWMD	Landscape	4	50	0	Biscayne	-
1162	550057	901568	13-06099-W	EAST HIALEAH MARKETPLACE	SFWMD	Landscape	3	50	40	Biscayne	-
1163	533559	898443	13-06083-W	HOLIDAY INN EXPRESS	SFWMD	Landscape	3	50	43	Biscayne	-
1164	516108	885655	13-06549-W	GABLES GATE TOWER	SFWMD	Landscape	2	50	42	Biscayne	-
1165	551098	916506	13-06999-W	HOLIDAY INN	SFWMD	Landscape	4	50	42	Biscayne	-
1166	517418	899714	13-07064-W	VILLAS DE MAJORCA	SFWMD	Landscape	2	50	40	Biscayne	-
1167	514724	906859	13-05302-W	SOUTH FLORIDA EDUCATIONAL FCU	SFWMD	Landscape	2	50	42	Biscayne	-
1168	547761	916253	13-05962-W	ILONA HAIR STYLE	SFWMD	Landscape	2	50	45	Biscayne	-
1169	507545	897900	13-06158-W	CEPERO PARK	SFWMD	Landscape	2	50	42	Biscayne	-
1170	499080	888380	13-05012-W	SUNSET CLUB APARTMENTS	SFWMD	Landscape	2	50	40	Biscayne	-
1171	567040	929750	13-04987-W	ROYAL POINT APARTMENTS	SFWMD	Landscape	2	50	42	Biscayne	-
1172	570440	922150	13-04986-W	ROYAL VISTA APARTMENTS	SFWMD	Landscape	2	50	42	Biscayne	-
1173	569734	915271	13-06279-W	RUSSO TIRES -U S 441 BRANCH	SFWMD	Landscape	2	50	42	Biscayne	-
1174	543245	906080	13-05015-W	HEALTH COMPLEX	SFWMD	Landscape	2	50	45	Biscayne	-
1175	525092	879511	13-05438-W	COSTCO - MOTA	SFWMD	Landscape	4	50	40	Biscayne	-
1176	523922	878709	13-05438-W	COSTCO - MOTA	SFWMD	Landscape	4	50	40	Biscayne	-
1177	503867	886254	13-06183-W	SOMI ESTATES	SFWMD	Landscape	3	50	35	Biscayne	-
1178	538325	903673	13-06695-W	REGATTA PLACE	SFWMD	Landscape	4	50	40	Biscayne	-
1179	515430	904770	13-06065-W	NEW PARKING AVE LISBON	SFWMD	Landscape	2	50	40	Biscayne	-
1180	549435	895260	13-05990-W	BIENVENIDA APARTAMENTOS	SFWMD	Landscape	2	50	42	Biscayne	-
1181	511876	895394	13-06186-W	DURANGO BANOS PARK	SFWMD	Landscape	2	50	42	Biscayne	-
1182	533124	902237	13-05891-W	GREYHOUND BUS MAINTENANCE FACILITY	SFWMD	Landscape	3	50	40	Biscayne	-
1183	566861	916995	13-06318-W	FPL - BISCAYNE SUBSTATION	SFWMD	Landscape	2	50	40	Biscayne	-
1184	525343	881750	13-06326-W	FPL - MERCHANDISE SUBSTATION	SFWMD	Landscape	2	50	40	Biscayne	-
1185	550915.775	888109.5101	13-06963-W	RENTAL APARTMENT 4 PLEX	SFWMD	Landscape	4	50	42	Biscayne	-
1186	523554	883394	13-05005-W	ROBERT KING HIGH PARK SOCCER FIELD	SFWMD	Landscape	3	50	50	Biscayne	-
1187	573308	928879	13-06972-W	F P L WOLFSON	SFWMD	Landscape	4	50	40	Biscayne	-
1188	520077	887132	13-07116-W	6320 HOLDING L L C	SFWMD	Landscape	2	50	40	Biscayne	-
1189	542330	907040	13-06028-W	ACEVEDO MEDICAL CARE GROUP IMPROVEMENTS	SFWMD	Landscape	2	50	40	Biscayne	-
1190	540351	890331	13-06903-W	AXIS PARK	SFWMD	Landscape	6	50	40	Biscayne	-
1191	532611	914737	13-06215-W	WM TRANSFER MIAMI	SFWMD	Landscape	4	50	40	Biscayne	-
1192	517266	887642	13-06500-W	WEST MIAMI PARK	SFWMD	Landscape	3	50	42	Biscayne	-
1193	514930	883085	13-05346-W	B C I V LandscapeDSCAPE	SFWMD	Landscape	2	50	42	Biscayne	-
1194	534633	880483	13-05772-W	PASSION GROWERS	SFWMD	Landscape	3	50	42	Biscayne	-
1195	541760	895750	13-04997-W	MCDONALDS	SFWMD	Landscape	2	50	40	Biscayne	-
1196	532611	914737	13-06215-W	WM TRANSFER MIAMI	SFWMD	Landscape	4	50	40	Biscayne	-
1197	519897	898875	13-06156-W	4028 S W 10TH STREET	SFWMD	Landscape	4	50	40	Biscayne	-
1198	555574	917270	13-06329-W	FPL - MIAMI SHORES SUBSTATION	SFWMD	Landscape	3	50	40	Biscayne	-
1199	520741	883515	13-05561-W	WALMART 4140 MIAMI FLAGAMI	SFWMD	Landscape	4	50	40	Biscayne	-
1200	538112	880569	13-06017-W	SUN NUMBER 10	SFWMD	Landscape	3	50	20	Biscayne	-
1201	503353	893628	13-01580-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	3	50	45	Biscayne	-
1202	490434	883249	13-03026-W	ROYAL PALM TENNIS CLUB	SFWMD	Landscape	2	51	35	Biscayne	-
1203	537776	917926	13-04999-W	VISTA MAR	SFWMD	Landscape	2	51	50	Biscayne	-
1204	506193	894887	13-01748-W	HEALTHSOUTH	SFWMD	Landscape	6	54	0	Biscayne	-
1205	502502	891776	13-01589-W	UNIVERSITY OF MIAMI	SFWMD	Landscape	2	55	50	Biscayne	-
1206	539240	901737	13-01990-W	NORTH MIAMI SPRINGS (NEXTEL COMMUNICATIONS)	SFWMD	Landscape	2	55	50	Biscayne	-
1207	543394	908589	13-03125-W	HOSANNA COMMUNITY BAPTIST CHURCH	SFWMD	Landscape	2	55	50	Biscayne	-
1208	556516	910355	13-03776-W	MIAMI CENTRAL,MADISON,OLIVER HOOVER,OLYMPIA HEIGHTS,PALMETTO	SFWMD	Landscape	4	55	45	Biscayne	-
1209	566505	910554	13-03776-W	MIAMI CENTRAL,MADISON,OLIVER HOOVER,OLYMPIA HEIGHTS,PALMETTO	SFWMD	Landscape	4	55	45	Biscayne	-
1210	552351	901989	13-03776-W	MIAMI CENTRAL,MADISON,OLIVER HOOVER,OLYMPIA HEIGHTS,PALMETTO	SFWMD	Landscape	6	55	45	Biscayne	-
1211	519296	890420	13-04318-W	1100 MEDICAL ARTS PLAZA	SFWMD	Landscape	2	55	50	Biscayne	-
1212	544929	882918	13-01074-W	FLORIDA POWER AND LIGHT COMPANY	SFWMD	Landscape	3	55	40	Biscayne	-
1213	570328	912967	13-02942-W	MT SINAI MEMORIAL PARK CEMETERY	SFWMD	Landscape	6	55	48	Biscayne	-
1214	491620	878910	13-03794-W	KENWOOD K-8,J W JOHNSON,KELSEY L PHARR,KENDALE,KENSINGTON	SFWMD	Landscape	8	55	45	Biscayne	-
1215	554297	918610	13-03427-W	MIAMI CAROL CITY SR; HORACE MANN MS; MARTIN LUTHER KING ELEM	SFWMD	Landscape	6	55	45	Biscayne	-
1216	549708	885563	13-03427-W	MIAMI CAROL CITY SR; HORACE MANN MS; MARTIN LUTHER KING ELEM	SFWMD	Landscape	6	55	40	Biscayne	-
1217	528950	918780	13-04989-W	GIBSON PARK	SFWMD	Landscape	4	55	45	Biscayne	-
1218	538890	905491	13-06936-W	HAMPTON VILLAGE	SFWMD	Landscape	3	55	50	Biscayne	-
1219	535871	891767	13-05665-W	M K T INVESTMENTS L L C	SFWMD	Landscape	2	55	50	Biscayne	-
1220	488115	880817	13-02151-W	RESERVE OF PINECREST	SFWMD	Landscape	3	60	52	Biscayne	-
1221	563060	920741	13-01649-W	BARRY UNIVERSITY	SFWMD	Landscape	1.5	60	60	Biscayne	-
1222	562802	920725	13-01649-W	BARRY UNIVERSITY	SFWMD	Landscape	2	60	60	Biscayne	-
1223	508840	876658	13-01784-W	SUNTRUST BANK	SFWMD	Landscape	2	60	50	Biscayne	-
1224	509047	876762	13-01784-W	SUNTRUST BANK	SFWMD	Landscape	2	60	50	Biscayne	-
1225	531731	912869	13-01784-W	SUNTRUST BANK	SFWMD	Landscape	2	60	50	Biscayne	-
1226	514757	875776	13-01784-W	SUNTRUST BANK	SFWMD	Landscape	2	60	50	Biscayne	-
1227	544869	903221	13-02365-W	AMERICAN PETROLEUM GAS STATION	SFWMD	Landscape	2	60	55	Biscayne	-
1228	559426	906251	13-02235-W	ARCH CREEK PARK AND LITTLE RIVER PARK	SFWMD	Landscape	10	60	40	Biscayne	-
1229	536558	901669	13-04270-W	COMMERCIAL VEHICLE PARKING	SFWMD	Landscape	2	60	50	Biscayne	-
1230	504119	885669	13-04810-W	WALGREENS STORE NO 11880	SFWMD	Landscape	2	60	40	Biscayne	-
1231	544128	896093	13-03743-W	MIAMI JACKSON SR, HIALEAH MIDDLE,HIALEAH,MAE WALTER,MAJORY S	SFWMD	Landscape	4	60	50	Biscayne	-
1232	559174	914163	13-03777-W	ARVIDA,OLIndustriaA,VAN E BLandscapeTON,VINELandscapeD,GULFSTREAM	SFWMD	Landscape	6	60	45	Biscayne	-
1233	514910	897450	13-04339-W	GABLES PLAZA CONDOS	SFWMD	Landscape	2	60	50	Biscayne	-
1234	564913.1	921775.1	13-04522-W	GOODWILL	SFWMD	Landscape	2	60	58	Biscayne	-
1235	563119	903987	13-00872-W	MIAMI DADE COLLEGE	SFWMD	Landscape	8	60	40	Biscayne	-
1236	547901	905829	13-04919-W	RAMARI CORP	SFWMD	Landscape	2	60	50	Biscayne	-
1237	570158	913928	13-02942-W	MT SINAI MEMORIAL PARK CEMETERY	SFWMD	Landscape	6	60	53	Biscayne	-
1238	515178	880377	13-03734-W	WEST MIAMI, PHYLLIS MILLER,WHISPERING P,WILLIAM A ZORA, N H	SFWMD	Landscape	4	60	50	Biscayne	-
1239	553801	925564	13-03734-W	WEST MIAMI, PHYLLIS MILLER,WHISPERING P,WILLIAM A ZORA, N H	SFWMD	Landscape	4	60	50	Biscayne	-
1240	576210	929100	13-03726-W	PARK FACILITIES OF NORTH MIAMI BEACH	SFWMD	Landscape	3	60	55	Biscayne	-
1241	543353	894293	13-03435-W	S MIAMI,SHENANDOAH M,SHENANDO E,SNAPPER CREEK,S HIALEAH	SFWMD	Landscape	4	60	50	Biscayne	-
1242	517815	868902	13-03410-W	W H TUNER,HOWARD DOOLIN,SPRINGVIEW,SYLVANIA HEIGHTS,TROPICAL	SFWMD	Landscape	4	60	45	Biscayne	-
1243	552301	901697	13-03741-W	DORAL MIDDLE,BROADMOOR ,BUNCHE PARK,CAMPBELL DRIVE,CARIBBEAN	SFWMD	Landscape	4	60	50	Biscayne	-
1244	504880	895240	13-03786-W	W R THOMAS,WM LEHMAN,W LITTLE RIV,W LAB,WESLEY MATTHEWS	SFWMD	Landscape	4	60	45	Biscayne	-
1245	571367	921526	13-04225-W	CLARIDGE HOUSE	SFWMD	Landscape	2	60	55	Biscayne	-
1246	569984	912398	13-03431-W	DADE MEMORIAL PARK	SFWMD	Landscape	2	60	55	Biscayne	-

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Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
1247	502502	879382	13-04042-W	MT. NEBO /STAR OF DAVID	SFWMD	Landscape	4	60	45	Biscayne	-
1248	509965	903090	13-04540-W	WALGREENS STORE 10900	SFWMD	Landscape	2	60	50	Biscayne	-
1249	497715	889396	13-04364-W	SUPER AQUAMARINA LLC	SFWMD	Landscape	2	60	50	Biscayne	-
1250	535339	894870	13-06477-W	BARBARITA LIQUOR STORE	SFWMD	Landscape	2	60	52	Biscayne	-
1251	529175	879350	13-05289-W	TERRENO	SFWMD	Landscape	2	60	50	Biscayne	-
1252	562910	905160	13-05526-W	FAMILY DOLLAR - MIAMI	SFWMD	Landscape	2	60	50	Biscayne	-
1253	543265	892993	13-06530-W	DON QUIJOTE PARK	SFWMD	Landscape	2	60	50	Biscayne	-
1254	543294	893631	13-05967-W	OROVIOS APARTMENTS	SFWMD	Landscape	2	60	55	Biscayne	-
1255	569570	921790	13-06708-W	FAMILY DOLLAR AND RETAIL BUILDING	SFWMD	Landscape	2	60	55	Biscayne	-
1256	523780	876280	13-05548-W	TRANSAL LOGISTICS CENTER	SFWMD	Landscape	3	60	50	Biscayne	-
1257	552880	925186	13-06906-W	20 COWS LLC	SFWMD	Landscape	4	60	52	Biscayne	-
1258	539491	923996	13-05211-W	DR. KEISCH OFFICE	SFWMD	Landscape	2	60	50	Biscayne	-
1259	536162	908427	13-06828-W	HUMANE SOCIETY OF GREATER MIAMI	SFWMD	Landscape	3	60	50	Biscayne	-
1260	530517	910522	13-05092-W	BOLOO NEW PARKING SPACES	SFWMD	Landscape	2	60	55	Biscayne	-
1261	524816	895915	13-06332-W	FPL - RIVERSIDE SUBSTATION	SFWMD	Landscape	1.5	60	50	Biscayne	-
1262	536134	894501	13-06582-W	MCDONALDS EAST 4TH	SFWMD	Landscape	2	60	50	Biscayne	-
1263	530871	918925	13-06969-W	FATHER MARQUESS BARRY APARTMENTS	SFWMD	Landscape	2	60	50	Biscayne	-
1264	527805	886163	13-06676-W	M C P AND METLIFE BLUE LAGOON	SFWMD	Landscape	4	60	55	Biscayne	-
1265	565749	903573	13-06967-W	GRATIGNY PARKING LOT	SFWMD	Landscape	4	60	0	Biscayne	-
1266	536800	901643	13-06535-W	PINNACLE HEIGHTS IRRIGATION WELL	SFWMD	Landscape	3	60	50	Biscayne	-
1267	565577	929420	13-05301-W	ALTA MIRA APARTMENT	SFWMD	Landscape	3	60	50	Biscayne	-
1268	567070	905090	13-04961-W	KING S TERRACE	SFWMD	Landscape	4	60	40	Biscayne	-
1269	565460	905400	13-04961-W	KING S TERRACE	SFWMD	Landscape	4	60	40	Biscayne	-
1270	532433.0193	916063.7116	13-06991-W	JETRO PARKING LOT	SFWMD	Landscape	2	60	0	Biscayne	-
1271	548211	915548	13-06765-W	STEPHENS MANOR	SFWMD	Landscape	2	60	50	Biscayne	-
1272	548370	915580	13-06765-W	STEPHENS MANOR	SFWMD	Landscape	2	60	50	Biscayne	-
1273	496364	887614	13-07047-W	SOUTH EAST VETERINARY IRRIGATION PROJECT	SFWMD	Landscape	4	60	50	Biscayne	-
1274	556886	916284	13-06057-W	V P I - H GREG	SFWMD	Landscape	2	60	52	Biscayne	-
1275	488115	880825	13-02151-W	RESERVE OF PINECREST	SFWMD	Landscape	4	60	55	Biscayne	-
1276	550249	892727	13-01182-W	HIALEAH PARK FLAMINGO CASINO	SFWMD	Landscape	12	63	50	Biscayne	-
1277	551272	893299	13-01182-W	HIALEAH PARK FLAMINGO CASINO	SFWMD	Landscape	12	63	50	Biscayne	-
1278	551216	893286	13-01182-W	HIALEAH PARK FLAMINGO CASINO	SFWMD	Landscape	12	63	50	Biscayne	-
1279	550374	892850	13-01182-W	HIALEAH PARK FLAMINGO CASINO	SFWMD	Landscape	3	63	50	Biscayne	-
1280	552167	887828	13-03743-W	MIAMI JACKSON SR, HIALEAH MIDDLE,HIALEAH,MAE WALTER,MAJORY S	SFWMD	Landscape	4	65	50	Biscayne	-
1281	515092	884557	13-03761-W	CORAL PARK,CORAL REEF,CORAL TERR,CUTLER RIDGE,CYPRESS	SFWMD	Landscape	6	65	55	Biscayne	-
1282	555924	895997	13-03774-W	MIAMI SENIOR,NORTH DADE,NEVA COOPER,NORTH HIALEAH,OAK GROVE	SFWMD	Landscape	4	65	50	Biscayne	-
1283	507954	905426	13-03418-W	DOROTHY WALLACE,COCONUT,COLONIAL DR,COMSTOCK,CORAL GABLES	SFWMD	Landscape	4	65	50	Biscayne	-
1284	557629	894256	13-03420-W	HIALEAH SR,HIGHLandscapeD OAKS,HOWARD DR,HUBERT SIBLEY,JACK GORDON	SFWMD	Landscape	4	65	50	Biscayne	-
1285	557495	893047	13-03420-W	HIALEAH SR,HIGHLandscapeD OAKS,HOWARD DR,HUBERT SIBLEY,JACK GORDON	SFWMD	Landscape	4	65	45	Biscayne	-
1286	562018	896773	13-03743-W	MIAMI JACKSON SR, HIALEAH MIDDLE,HIALEAH,MAE WALTER,MAJORY S	SFWMD	Landscape	6	65	55	Biscayne	-
1287	577020	923970	13-03773-W	MIAMI SENIOR,NORTH DADE,NEVA COOPER,NORTH HIALEAH,OAK GROVE	SFWMD	Landscape	4	65	50	Biscayne	-
1288	522665	907543	13-03774-W	MIAMI SENIOR,NORTH DADE,NEVA COOPER,NORTH HIALEAH,OAK GROVE	SFWMD	Landscape	6	65	50	Biscayne	-
1289	543109	908868	13-03777-W	ARVIDA,OLIndustrialA,VAN E BLandscapeTON,VINELandscapeD,GULFSTREAM	SFWMD	Landscape	4	65	50	Biscayne	-
1290	563382	917943	13-03420-W	HIALEAH SR,HIGHLandscapeD OAKS,HOWARD DR,HUBERT SIBLEY,JACK GORDON	SFWMD	Landscape	4	65	55	Biscayne	-
1291	569306	920978	13-04336-W	ASPIRA CHARTER SCHOOL	SFWMD	Landscape	3	65	0	Biscayne	-
1292	508099	890791	13-03400-W	DA DORSEY ED,CUTLER R,DANTE B FASCELL,DAVID F,DUNBAR,BOWMAN	SFWMD	Landscape	4	65	50	Biscayne	-
1293	538919	894808	13-03423-W	N MIAMI, MIAMI SPRING,DR PORTER,GoLDEN GLADES, GRATIGNY	SFWMD	Landscape	6	65	50	Biscayne	-
1294	523980	897580	13-03791-W	KINLOCH PARK ELEM AND MIDDLE,LEEWOOD,LEISURE CITY,L B SMITH	SFWMD	Landscape	4	65	50	Biscayne	-
1295	503009	896282	13-03810-W	MIAMI KILLIAN,PONCE DE LEON,MAYA ANGELOU,MEADOWLandscapeE,MELROSE	SFWMD	Landscape	4	65	55	Biscayne	-
1296	522126	879023	13-03831-W	SOUTH DADE SENIOR HIGH SCHOOL	SFWMD	Landscape	4	65	50	Biscayne	-
1297	523435	892775	13-03835-W	FELIX VARELA SENIOR,HENRY H FILER,HENRY M FLAGER,HENRY E S R	SFWMD	Landscape	4	65	45	Biscayne	-
1298	506818	901434	13-03837-W	MIAMI S RIDGE,MIAMI EDISON,ETHEL K BECKMAN,FINLAY,F S TUCKER	SFWMD	Landscape	4	65	50	Biscayne	-
1299	498703	894515	13-03565-W	SUNSET EL,ROYAL PALM EL,SUNSET PK EL,PALM LAKES EL,MYRTLE GR	SFWMD	Landscape	4	65	0	Biscayne	-
1300	547216	923673	13-03739-W	MIAMI NW SR,PKWY MIDDLE, MIAMI SHORES, MORNINGSIDE, NARANJA	SFWMD	Landscape	4	65	55	Biscayne	-
1301	512053	875438	13-03426-W	BANYAN ELEM; BARBARA HAWKINS ELEM; BISCAYNE GARDENS ELEM;	SFWMD	Landscape	4	65	55	Biscayne	-
1302	547100	907860	13-03419-W	LAMAR L. CURRY MS; L. LENTIN K-8; POINCIANA ES; PARKVIEW ES	SFWMD	Landscape	6	65	55	Biscayne	-
1303	548130	910010	13-03756-W	LAWTON CHILES MS; LIBERTY CITY ELEM; LITTLE RIVER ELEM;	SFWMD	Landscape	4	65	55	Biscayne	-
1304	535570	910400	13-03810-W	MIAMI KILLIAN,PONCE DE LEON,MAYA ANGELOU,MEADOWLandscapeE,MELROSE	SFWMD	Landscape	4	65	55	Biscayne	-
1305	535825	917777	13-03407-W	JOHN A FERGUSON SENIOR,JOSE DE DIEGO MIDDLE,WEST HOMESTEAD	SFWMD	Landscape	4	65	55	Biscayne	-
1306	525181	909637	13-03416-W	MIAMI DOUGLAS MACARTHUR SR,CITRUS GROVE,BLUE LAKE,BOB GRAHAM	SFWMD	Landscape	4	65	50	Biscayne	-
1307	516998	910643	13-03435-W	S MIAMI,SHENANDOAH M,SHENANDO E,SNAPPER CREEK,S HIALEAH	SFWMD	Landscape	4	65	55	Biscayne	-
1308	549870	917420	13-03756-W	LAWTON CHILES MS; LIBERTY CITY ELEM; LITTLE RIVER ELEM;	SFWMD	Landscape	4	65	55	Biscayne	-
1309	498320	886290	13-03756-W	LAWTON CHILES MS; LIBERTY CITY ELEM; LITTLE RIVER ELEM;	SFWMD	Landscape	4	65	55	Biscayne	-
1310	524140	897430	13-03791-W	KINLOCH PARK ELEM AND MIDDLE,LEEWOOD,LEISURE CITY,L B SMITH	SFWMD	Landscape	4	65	50	Biscayne	-
1311	539510	909570	13-03794-W	KENWOOD K-8,J W JOHNSON,KELSEY L PHARR,KENDALE,KENSINGTON	SFWMD	Landscape	4	65	55	Biscayne	-
1312	526520	905155	13-03794-W	KENWOOD K-8,J W JOHNSON,KELSEY L PHARR,KENDALE,KENSINGTON	SFWMD	Landscape	6	65	55	Biscayne	-
1313	519100	880510	13-03811-W	GLADES, FLAGAMI, EUGENIA B THOMAS, MIAMI SPRINGS,EWF STIRRUP	SFWMD	Landscape	4	65	55	Biscayne	-
1314	488447	891289	13-03413-W	HOMESTEAD SR,WESTVIEW, PINECREST ELEM,PINE LAKE, WESTVIEW	SFWMD	Landscape	4	65	55	Biscayne	-
1315	521735	903115	13-03414-W	CORAL GABLES SR,BROWNSVILLE,AIR BASE, AMELIA E, AUBURNDALE	SFWMD	Landscape	6	65	55	Biscayne	-
1316	545658	885329	13-03410-W	W H TUNER,HOWARD DOOLIN,SPRINGVIEW, SYLVANIA HEIGHTS,TROPICAL	SFWMD	Landscape	6	65	50	Biscayne	-
1317	552020	906810	13-03766-W	W R THOMAS,WM LEHMAN,W LITTLE RIV,W LAB,WESLEY MATTHEWS	SFWMD	Landscape	4	65	55	Biscayne	-
1318	545075	917870	13-03809-W	MIAMI EDISON,DEVON AIRE,BENT TREE,FLORIDA CITY,PAUL BELL	SFWMD	Landscape	4	65	60	Biscayne	-
1319	502297	884811	13-03412-W	S W MIAMI,SOUTHWOOD,SOUTHSIDE,S MIAMI HEIGHTS,S MIAMI ELEM	SFWMD	Landscape	4	65	55	Biscayne	-
1320	510766	878486	13-04059-W	MIAMI CORAL,EMERSON,EDWARD WHIGHAM,EARLINGTON	SFWMD	Landscape	4	65	55	Biscayne	-
1321	518867	909604	13-06962-W	2166 SOUTH WEST 14 TERRACE	SFWMD	Landscape	2	65	0	Biscayne	-
1322	541974	892725	13-01444-W	SR 25/OKEECHOBEE RD FROM W 19TH ST TO SE 7TH AVE	SFWMD	Landscape	2.5	70	50	Biscayne	-
1323	558480	902288	13-02962-W	NW 103 STREET PETROLEUM DEVELOPERS	SFWMD	Landscape	2	70	50	Biscayne	-
1324	550872	920344	13-02962-W	NW 103 STREET PETROLEUM DEVELOPERS	SFWMD	Landscape	2	70	50	Biscayne	-
1325	548063	910710	13-03400-W	DA DORSEY ED,CUTLER R,DANTE B FASCELL,DAVID F,DUNBAR,BOWMAN	SFWMD	Landscape	4	70	60	Biscayne	-
1326	549051	902370	13-03477-W	WAL MART HIALEAH GARDENS (E)	SFWMD	Landscape	4	70	60	Biscayne	-
1327	532500	918373	13-03400-W	DA DORSEY ED,CUTLER R,DANTE B FASCELL,DAVID F,DUNBAR,BOWMAN	SFWMD	Landscape	4	70	60	Biscayne	-
1328	544956	910582	13-03417-W	CAROL CITY,CHARLES DREW,CHRISTINA EVE,CITRUS,CLAUDE PEPPER	SFWMD	Landscape	4	70	60	Biscayne	-
1329	533421	910852	13-03418-W	DOROTHY WALLACE,COCONUT,COLONIAL DR,COMSTOCK,CORAL GABLES	SFWMD	Landscape	4	70	60	Biscayne	-
1330	517307	900421	13-03418-W	DOROTHY WALLACE,COCONUT,COLONIAL DR,COMSTOCK,CORAL GABLES	SFWMD	Landscape	4	70	55	Biscayne	-
1331	504653	884680	13-03435-W	S MIAMI,SHENANDOAH M,SHENANDO E,SNAPPER CREEK,S HIALEAH	SFWMD	Landscape	6	70	60	Biscayne	-
1332	536470	904460	13-03810-W	MIAMI KILLIAN,PONCE DE LEON,MAYA ANGELOU,MEADOWLandscapeE,MELROSE	SFWMD	Landscape	6	70	60	Biscayne	-
1333	570786	924651	13-03423-W	N MIAMI, MIAMI SPRING,DR PORTER,GoLDEN GLADES, GRATIGNY	SFWMD	Landscape	6	70	55	Biscayne	-
1334	541484	906868	13-03740-W	CORP ACADEMY N,CHARLES R DREW, BEL AIRE ELEM, BENJAMIN F	SFWMD	Landscape	4	70	60	Biscayne	-
1335	545584	916053	13-03426-W	BANYAN ELEM; BARBARA HAWKINS ELEM; BISCAYNE GARDENS ELEM;	SFWMD	Landscape	4	70	60	Biscayne	-

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
1336	543584	905239	13-03426-W	BANYAN ELEM, BARBARA HAWKINS ELEM, BISCAYNE GARDENS ELEM,	SFWMD	Landscape	4	70	65	Biscayne	-
1337	572780	921090	13-03419-W	LAMAR L. CURRY MS, L. LENTIN K-8, POINCIANA ES, PARKVIEW ES	SFWMD	Landscape	4	70	60	Biscayne	-
1338	545500	918340	13-03809-W	MIAMI EDISON,DEVON AIRE,BENT TREE,FLORIDA CITY,PAUL BELL	SFWMD	Landscape	4	70	63	Biscayne	-
1339	561492	909061	13-03835-W	FELIX VARELA SENIOR,HENRY H FILER,HENRY M FLAGER,HENRY E.S.R	SFWMD	Landscape	4	70	60	Biscayne	-
1340	551457	888700	13-03835-W	FELIX VARELA SENIOR,HENRY H FILER,HENRY M FLAGER,HENRY E.S.R	SFWMD	Landscape	6	70	55	Biscayne	-
1341	549403	918984	13-03837-W	MIAMI S RIDGE,MIAMI EDISON,ETHEL K BECKMAN,FINLAY,F S TUCKER	SFWMD	Landscape	4	70	60	Biscayne	-
1342	541510	903610	13-03756-W	LAWTON CHILES MS, LIBERTY CITY ELEM, LITTLE RIVER ELEM,	SFWMD	Landscape	4	70	60	Biscayne	-
1343	540360	918340	13-03791-W	KINLOCH PARK ELEM AND MIDDLE,LEEWOOD,LEISURE CITY,L B SMITH	SFWMD	Landscape	4	70	60	Biscayne	-
1344	549310	887525	13-03794-W	KENWOOD K-8,J W JOHNSON,KELSEY L PHARR,KENDALE,KENSINGTON	SFWMD	Landscape	4	70	55	Biscayne	-
1345	567224	927630	13-03836-W	N MIAMI BCH HIGH,WJ BRYAN EL,CHARLES HADLEY,BEN S,JOSE MARTI	SFWMD	Landscape	4	70	60	Biscayne	-
1346	534623	875611	13-03836-W	N MIAMI BCH HIGH,WJ BRYAN EL,CHARLES HADLEY,BEN S,JOSE MARTI	SFWMD	Landscape	4	70	60	Biscayne	-
1347	566936	908701	13-03413-W	HOMESTEAD SR,WESTVIEW ,PINECREST ELEM,PINE LAKE, WESTVIEW	SFWMD	Landscape	4	70	60	Biscayne	-
1348	566807	907881	13-03413-W	HOMESTEAD SR,WESTVIEW ,PINECREST ELEM,PINE LAKE, WESTVIEW	SFWMD	Landscape	4	70	60	Biscayne	-
1349	509051	898475	13-03414-W	CORAL GABLES SR,BROWNSVILLE,AIR BASE, AMELIA E, AUBURNDALE	SFWMD	Landscape	6	70	50	Biscayne	-
1350	540807	907654	13-03414-W	CORAL GABLES SR,BROWNSVILLE,AIR BASE, AMELIA E, AUBURNDALE	SFWMD	Landscape	4	70	60	Biscayne	-
1351	561417	896865	13-03414-W	CORAL GABLES SR,BROWNSVILLE,AIR BASE, AMELIA E, AUBURNDALE	SFWMD	Landscape	4	70	55	Biscayne	-
1352	540450	913029	13-03540-W	ALLAPATTAH MIDDLE,WINSTON PARK,MIAMI HEIGHTS,PALM SPRINGS N	SFWMD	Landscape	4	70	0	Biscayne	-
1353	568113	917659	13-03740-W	CORP ACADEMY N,CHARLES R DREW, BEL AIRE ELEM, BENJAMIN F	SFWMD	Landscape	4	70	55	Biscayne	-
1354	503036	891098	13-04068-W	THE CLOISTERS	SFWMD	Landscape	2	70	60	Biscayne	-
1355	523940	897770	13-03791-W	KINLOCH PARK ELEM AND MIDDLE,LEEWOOD,LEISURE CITY,L B SMITH	SFWMD	Landscape	4	70	55	Biscayne	-
1356	540444	908373	13-04059-W	MIAMI CORAL,EMERSON,EDWARD WHIGHAM,EARLINGTON	SFWMD	Landscape	4	70	60	Biscayne	-
1357	503335	891214	13-04068-W	THE CLOISTERS	SFWMD	Landscape	2	70	60	Biscayne	-
1358	560560	898620	13-05977-W	CENTERGATE AT GRATIGNY	SFWMD	Landscape	2.5	70	60	Biscayne	-
1359	535055	895920	13-06923-W	KINLOCH PARK MIAMI	SFWMD	Landscape	3	70	65	Biscayne	-
1360	570574	924637	13-03423-W	N MIAMI, MIAMI SPRING,DR PORTER,Ge IDEN GLADES, GRATIGNY	SFWMD	Landscape	6	70	65	Biscayne	-
1361	562805	928986	13-06363-W	FPL SUBSTATION BOULEVARD	SFWMD	Landscape	2	70	60	Biscayne	-
1362	538630	879655	13-05139-W	NORTRAX MIAMI - NEW BRANCH OFFICE/SERVICE CENTER	SFWMD	Landscape	4	70	50	Biscayne	-
1363	529421	900510	13-02795-W	GRAPELandscapeD PARK	SFWMD	Landscape	10	70	60	Biscayne	-
1364	547214	899067	13-06913-W	STEPHENS PARKING LOT RESTORATION	SFWMD	Landscape	2	70	65	Biscayne	-
1365	537448	910586	13-03743-W	MIAMI JACKSON SR, HIALEAH MIDDLE,HIALEAH,MAE WALTER,MAJORY S	SFWMD	Landscape	6	75	55	Biscayne	-
1366	544814	910218	13-03740-W	CORP ACADEMY N,CHARLES R DREW, BEL AIRE ELEM, BENJAMIN F	SFWMD	Landscape	4	75	65	Biscayne	-
1367	544945	888530	13-03811-W	GLADES, FLAGAMI, EUGENIA B THOMAS, MIAMI SPRINGS,EWF STIRRUP	SFWMD	Landscape	4	75	65	Biscayne	-
1368	547794	914249	13-03739-W	MIAMI NW SR,PKWY MIDDLE,MIAMI SHORES,MORNINGSIDE, NARANJA	SFWMD	Landscape	6	75	60	Biscayne	-
1369	557910	910810	13-03418-W	W H TUNER,HOWARD DOOLIN,SPRINGVIEW, SYLVANIA HEIGHTS,TROPICAL	SFWMD	Landscape	8	75	60	Biscayne	-
1370	530082	897242	13-04037-W	GRACELandscapeD MEMORIAL PARK NORTH- BETH ISRAEL GARDENS	SFWMD	Landscape	6	75	0	Biscayne	-
1371	535037	891843	13-04040-W	MOUNT NEBO MIAMI MEMORIAL GARDENS	SFWMD	Landscape	6	75	0	Biscayne	-
1372	517560	873742	13-04059-W	MIAMI CORAL,EMERSON,EDWARD WHIGHAM,EARLINGTON	SFWMD	Landscape	6	75	60	Biscayne	-
1373	526541	890403	13-00947-W	MERIDIAN EXECUTIVE CENTER	SFWMD	Landscape	2	80	20	Biscayne	-
1374	529421	900510	13-02795-W	GRAPELandscapeD PARK	SFWMD	Landscape	6	80	60	Biscayne	-
1375	550600	899605	13-02831-W	MIAMI METRO RAIL TRANSFER STATION	SFWMD	Landscape	4	80	60	Biscayne	-
1376	543940	923020	13-04376-W	PINNACLE PLACE	SFWMD	Landscape	2	80	75	Biscayne	-
1377	541084.58	846636.79	13-02951-W	PRINCE FIELD	SFWMD	Landscape	4	80	80	Biscayne	-
1378	487910	881010	13-03973-W	FLAGLER GROVE PARK	SFWMD	Landscape	6	80	60	Biscayne	-
1379	536867	883529	13-03501-W	VIRGINIA GARDENS PARK	SFWMD	Landscape	4	80	60	Biscayne	-
1380	540864	900516	13-04624-W	DELTA RECYCLING HIALEAH	SFWMD	Landscape	6	80	60	Biscayne	-
1381	566309	922207	13-04391-W	CASA BONITA (390 N E 125 STREET)	SFWMD	Landscape	2	80	73	Biscayne	-
1382	550800	909385	13-05513-W	REGENCY POINTE	SFWMD	Landscape	4	80	70	Biscayne	-
1383	553310	886050	13-06769-W	VILLAS DE LAS PALMAS	SFWMD	Landscape	4	80	70	Biscayne	-
1384	549263	907651	13-06453-W	SCOTT CARVER WEST WELL CONVERSION	SFWMD	Landscape	3	80	60	Biscayne	-
1385	548763	907071	13-06453-W	SCOTT CARVER WEST WELL CONVERSION	SFWMD	Landscape	3	80	60	Biscayne	-
1386	525371	885415	13-06146-W	BLUE LAGOON RESIDENCES	SFWMD	Landscape	4	80	70	Biscayne	-
1387	573231	930051	13-05786-W	ULETA CONGREGATION	SFWMD	Landscape	3	80	25	Biscayne	-
1388	549101	909554	13-06452-W	SCOTT CARVER EAST - WELL CONVERSION	SFWMD	Landscape	3	80	60	Biscayne	-
1389	548963	908358	13-06452-W	SCOTT CARVER EAST - WELL CONVERSION	SFWMD	Landscape	3	80	60	Biscayne	-
1390	570851	911819	13-03431-W	DADE MEMORIAL PARK	SFWMD	Landscape	6	85	78	Biscayne	-
1391	562004	920999	13-01649-W	BARRY UNIVERSITY	SFWMD	Landscape	2	86	80	Biscayne	-
1392	562820	918751	13-01649-W	BARRY UNIVERSITY	SFWMD	Landscape	3	86	80	Biscayne	-
1393	562901	918360	13-01649-W	BARRY UNIVERSITY	SFWMD	Landscape	3	86	80	Biscayne	-
1394	570917	911467	13-03431-W	DADE MEMORIAL PARK	SFWMD	Landscape	8	88	82	Biscayne	-
1395	560919	923947	13-04105-W	MIAMI COUNTRY DAY SCHOOL	SFWMD	Landscape	2	90	80	Biscayne	-
1396	466123	945621	50-09317-W	MIDTOWN MEDICAL OFFICE	SFWMD	Landscape	4	90	84	Biscayne	-
1397	532338	921016	13-06016-W	SUN #6	SFWMD	Landscape	2	90	0	Biscayne	-
1398	532338	921016	13-06016-W	SUN #6	SFWMD	Landscape	2	90	0	Biscayne	-
1399	530230	917340	13-05075-W	CAMILLUS HOUSE	SFWMD	Landscape	2	90	100	Biscayne	-
1400	543800	912830	13-00345-W	ORCHARD VILLA ELEMENTARY SCHOOL	SFWMD	Landscape	6	100	90	Biscayne	-
1401	546578	922252	13-02715-W	LITTLE HAITI PARK	SFWMD	Landscape	12	100	80	Biscayne	-
1402	537892	910149	13-03848-W	MIAMI JACKSON HIGH	SFWMD	Landscape	8	100	0	Biscayne	-
1403	517479	899076	13-04836-W	CASA MAJORCA	SFWMD	Landscape	3	100	0	Biscayne	-
1404	546578	922252	13-02715-W	LITTLE HAITI PARK	SFWMD	Landscape	12	100	80	Biscayne	-
1405	509225	878762	13-04028-W	THE LEARNING EXPERIENCE SCHOOL	SFWMD	Landscape	2	100	80	Biscayne	-
1406	533634	900540	13-04825-W	FLORIDA POWER & LIGHT WILCOX SUBSTATION	SFWMD	Landscape	4	100	80	Biscayne	-
1407	530545	880065	13-06404-W	THE LandscapeDING AT MIA - PARKING LOT	SFWMD	Landscape	3	100	60	Biscayne	-
1408	562397	919398	13-01649-W	BARRY UNIVERSITY	SFWMD	Landscape	10	120	100	Biscayne	-
1409	562397	919398	13-01649-W	BARRY UNIVERSITY	SFWMD	Landscape	10	120	100	Biscayne	-
1410	536890	908771	13-04662-W	MCDONALDS L/C 009-0367	SFWMD	Landscape	3	120	100	Biscayne	-
1411	550580	912867	13-03894-W	GAS STATION AT 1300 N W 79TH STREET	SFWMD	Landscape	4	125	75	Biscayne	-
1412	574329.8	935820.6	13-05240-W	BISCAYNE LandscapeDING (F K A MUNISPORT LandscapeDFILL)	SFWMD	Monitor	6.625	1498	1454	Upper Floridan	-
1413	576823	936511	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Monitor	0	1510	1410	Upper Floridan	-
1414	490817	893907	13-00760-W	FAIRCHILD TROPICAL BOTANIC GARDEN	SFWMD	Nursery	8	55	30	Biscayne	-
1415	490817	893907	13-00760-W	FAIRCHILD TROPICAL BOTANIC GARDEN	SFWMD	Nursery	8	55	30	Biscayne	-
1416	560276.4	916465	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	2	19.2	0	Biscayne	-
1417	561898	899943	13-06324-W	FPL - MASTER SUBSTATION	SFWMD	Public Water Supply	2	40	50	Biscayne	-
1418	567787.7	926200.8	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	4	50.8	0	Biscayne	-
1419	552278	900638	13-06916-W	FLORIDA SILICA SAND	SFWMD	Public Water Supply	2	55	45	Biscayne	-
1420	564562	910789	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	56	45	Biscayne	-
1421	564562	910789	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	56	45	Biscayne	-
1422	564711	912425	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	60	45	Biscayne	-
1423	565906	912446	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	60	50	Biscayne	-
1424	564711	912425	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	60	45	Biscayne	-

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
1425	563906	912449	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	60	50	Biscayne	-
1426	503302	876599	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	60	55	Biscayne	-
1427	565914	912115	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	62	52	Biscayne	-
1428	565914	912115	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	62	52	Biscayne	-
1429	564720	912335	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	65	57	Biscayne	-
1430	564720	912335	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	65	57	Biscayne	-
1431	492088	892989	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	2	74	60	Biscayne	-
1432	569334.439	924885.208	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	2	74.15	0	Biscayne	-
1433	569334.439	924885.208	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	2	74.15	0	Biscayne	-
1434	569308	924897	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	2	76	74.5	Biscayne	-
1435	544328	918017	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	84.9	0	Biscayne	-
1436	544328	918017	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	84.9	0	Biscayne	-
1437	513333	897343	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	85	0	Biscayne	-
1438	536487	896054	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	90.2	89.2	Biscayne	-
1439	537785	893396	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	94.5	94.5	Biscayne	-
1440	500230	919450	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	95.5	93.5	Biscayne	-
1441	497387	889410	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	96	94.8	Biscayne	-
1442	539211	894029	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	97.3	91.4	Biscayne	-
1443	506889	891645	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	99.5	97.5	Biscayne	-
1444	499640	875110	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	16	100	40	Biscayne	-
1445	491810	887960	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	100	0	Biscayne	-
1446	535114	896137	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	2	103	100	Biscayne	-
1447	535114	896137	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	2	103	100	Biscayne	-
1448	537142	897679	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	2	104	91	Biscayne	-
1449	564851	913536	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	104	90	Biscayne	-
1450	564851	913536	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	104	90	Biscayne	-
1451	545010	890510	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	42	107	66	Biscayne	-
1452	544650	891080	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	42	107	66	Biscayne	-
1453	545680	891000	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	42	107	66	Biscayne	-
1454	564772	910988	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	107	99	Biscayne	-
1455	564772	910988	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	107	99	Biscayne	-
1456	544500	890540	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	42	107	66	Biscayne	-
1457	544680	890430	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	42	107	66	Biscayne	-
1458	545190	891029	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	42	107	66	Biscayne	-
1459	544270	890100	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	42	107	69	Biscayne	-
1460	564970	917715.3	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	2	107.6	0	Biscayne	-
1461	476178	886588	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	110	107	Biscayne	-
1462	476160	886590	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	114	32	Biscayne	-
1463	538745	889990	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1464	539785	890450	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1465	538585	887545	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1466	539115	888105	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	30	115	80	Biscayne	-
1467	545090	885590	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1468	544440	888430	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1469	543550	888460	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1470	544425	886105	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1471	543510	886890	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1472	544210	888960	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1473	543550	891050	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1474	543790	890650	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1475	544190	889520	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	30	115	80	Biscayne	-
1476	539170	890660	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1477	543790	890650	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1478	539170	890660	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1479	539400	889800	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1480	539515	888955	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1481	538565	888575	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1482	544870	884630	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1483	544190	889520	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	30	115	80	Biscayne	-
1484	544475	887776	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1485	544430	886890	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1486	543499	887684	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1487	543510	886110	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1488	544140	890830	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	14	115	80	Biscayne	-
1489	565901.8	923308.3	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	6	115.3	0	Biscayne	-
1490	544468	889597	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	2	116	106	Biscayne	-
1491	565633	923283	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	117	113.5	Biscayne	-
1492	564780	913699	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	124	100	Biscayne	-
1493	564780	913699	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	12	124	100	Biscayne	-
1494	481537	888022	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	2	134	80	Biscayne	-
1495	519784	903086	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	2	149	103.5	Biscayne	-
1496	564833.9	920419.6	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	2	154.35	0	Biscayne	-
1497	546997	915184	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	230	200	Biscayne	-
1498	577670	926769	13-00017-W	MIAMI-DADE CONSOLIDATED Public Water Supply	SFWMD	Public Water Supply	0	279	0	Biscayne	-
1499	564765	913535	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	16	1250	1000	Upper Floridan	-
1500	564825	912270	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	16	1250	1000	Upper Floridan	-
1501	568982	912730	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	16	1250	1000	Upper Floridan	-
1502	568982	912690	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	16	1250	1000	Upper Floridan	-
1503	569825	912110	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	16	1250	1000	Upper Floridan	-
1504	569725	911220	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	16	1250	1000	Upper Floridan	-
1505	569745	910280	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	16	1250	1000	Upper Floridan	-
1506	564765	910960	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	16	1250	1000	Upper Floridan	-
1507	566230	913655	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	16	1250	1000	Upper Floridan	-
1508	566010	912165	13-00059-W	CITY OF NORTH MIAMI	SFWMD	Public Water Supply	16	1250	1000	Upper Floridan	-
1509	25° 45'	80° 9'	101237	MIAMI DADE CENTRAL DISTRICT WWTP CDIW-7	FDEP	Class I	24	2650	3200	Boulder Zone	-
1510	25° 45'	80° 9'	101237	MIAMI DADE CENTRAL DISTRICT WWTP CDIW-8	FDEP	Class I	24	2650	3200	Boulder Zone	-
1511	25° 45'	80° 9'	101237	MIAMI DADE CENTRAL DISTRICT WWTP CDIW-9	FDEP	Class I	24	2650	3200	Boulder Zone	-
1512	25° 45'	80° 8'	101237	MIAMI DADE CENTRAL DISTRICT WWTP CDIW-3	FDEP	Class I	24	2650	3200	Boulder Zone	-
1513	25° 45'	80° 8'	101237	MIAMI DADE CENTRAL DISTRICT WWTP CDIW-4	FDEP	Class I	24	2650	3200	Boulder Zone	-

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
1514	25° 45'	80° 8'	101237	MIAMI DADE CENTRAL DISTRICT WWTP CDIW-5	FDEP	Class I	24	2650	3200	Boulder Zone	-
1515	25° 45'	80° 9'	101237	MIAMI DADE CENTRAL DISTRICT WWTP CDIW-6	FDEP	Class I	24	2650	3200	Boulder Zone	
1516	25° 54'	80° 9'	99295	BISCAYNE LANDING IW-1	FDEP	Class I	-	3203	2520	Boulder Zone	10/31/2012
1517	25° 44'	80° 8'	101237	MIAMI DADE CENTRAL DISTRICT WWTP CDIIW-2	FDEP	Class I	24	3225	2610	Boulder Zone	5/13/2017
1518	25° 44'	80° 8'	101237	MIAMI DADE CENTRAL DISTRICT WWTP CDIIW-1	FDEP	Class I	24	3240	2780	Boulder Zone	5/13/2017
1519	25° 55'	80° 8'	56453	MIAMI-DADE WSAD NORTH DISTRICT WWTP I-1N	FDEP	Class I	24	3300	2970	Boulder Zone	10/30/1997
1520	25° 55'	80° 8'	56453	MIAMI-DADE WSAD NORTH DISTRICT WWTP I-2N	FDEP	Class I	24	3300	2620	Boulder Zone	9/30/1995
1521	25° 55'	80° 8'	56453	MIAMI-DADE WSAD NORTH DISTRICT WWTP I-3N	FDEP	Class I	24	3300	2780	Boulder Zone	5/30/1995
1522	25° 55'	80° 8'	56453	MIAMI-DADE WSAD NORTH DISTRICT WWTP I-4N	FDEP	Class I	24	3300	2940	Boulder Zone	3/15/1997
1523	25° 55'	80° 9'	56453	MIAMI-DADE WSAD NORTH DISTRICT WWTP IW-5N	FDEP	Class I	24	3300	2800	Boulder Zone	-
1524	25° 55'	80° 9'	56453	MIAMI-DADE WSAD NORTH DISTRICT WWTP IW-6N	FDEP	Class I	24	3300	2800	Boulder Zone	
1525	25° 55'	80° 9'	56453	MIAMI-DADE WSAD NORTH DISTRICT WWTP IW-7N	FDEP	Class I	24	3300	2800	Boulder Zone	-
1526	25° 55'	80° 9'	56453	MIAMI-DADE WSAD NORTH DISTRICT WWTP IW-8N	FDEP	Class I	24	3300	2800	Boulder Zone	-
1527	25° 55'	80° 9'	56453	MIAMI-DADE WSAD NORTH DISTRICT WWTP IW-9N	FDEP	Class I	24	3300	2800	Boulder Zone	
1528	25° 47'	80° 12'	99276	ARK DEVELOPMENT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1529	25° 46'	80° 7'	99309	CITY OF MIAMI BEACH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1530	25° 47'	80° 11'	99762	MIKADO HOTEL & RESIDENCES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1531	25° 47'	80° 8'	98828	SUNSET HARBOUR	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1532	25° 44'	80° 15'	98804	LRE PROERTIES, LLC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1533	25° 45'	80° 11'	101085	WEST BRICKELL TOWER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1534	25° 48'	80° 7'	101687	AC HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1535	25° 48'	80° 7'	101687	AC HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	4/18/2014
1536	25° 48'	80° 7'	101687	AC HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	4/18/2014
1537	25° 46'	80° 12'	99229	MIAMI DADE COUNTY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1538	25° 45'	80° 11'	99498	SERVICES & PROMOTIONS MIAMI	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1539	25° 43'	80° 14'	97725	SAINT STEPHENS MAIN HIGHWAY PAVILION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1540	25° 52'	80° 7'	101759	CHATEAU OCEAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1541	25° 52'	80° 7'	101759	CHATEAU OCEAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1542	25° 52'	80° 7'	101759	CHATEAU OCEAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1543	25° 52'	80° 7'	101759	CHATEAU OCEAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1544	25° 52'	80° 7'	101759	CHATEAU OCEAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1545	25° 52'	80° 7'	101759	CHATEAU OCEAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1546	25° 53'	80° 7'	101759	CHATEAU OCEAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1547	25° 46'	80° 11'	101230	FLAGLER AT THE RIVER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1548	25° 46'	80° 11'	101230	FLAGLER AT THE RIVER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1549	25° 47'	80° 12'	100789	UNIVERSITY OF MIAMI MEDICAL CAMPUS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1550	25° 44'	80° 15'	97780	VALENCIA CARRIAGE HOMES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1551	25° 44'	80° 15'	100576	REX ART RESIDENCES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1552	25° 44'	80° 15'	100576	REX ART RESIDENCES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1553	25° 48'	80° 11'	95440	SHOPS AT MIDTOWN MIAMI-SOUTH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1554	25° 49'	80° 7'	99772	LABRE PLACE INC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1555	25° 51'	80° 7'	102164	SURF LODGE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1556	25° 46'	80° 11'	102224	SKYRISE MIAMI AKA BAYSIDE MARKETPLACE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1557	25° 47'	80° 7'	100698	WALGREEN COMPANG	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1558	25° 47'	80° 8'	100830	CITY OF MIAMI	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1559	25° 47'	80° 9'	98394	MARK PICKARD & KRISTINA BRANNAN HOME	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1560	25° 46'	80° 8'	100862	MICHIGAN CONDO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1561	25° 47'	80° 8'	101044	14 WEST AVENUE APARTMENTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1562	25° 45'	80° 11'	100933	VISTA GRANDE APRATMENTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1563	25° 52'	80° 7'	101389	BH DEVELOPERS LLC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1564	25° 45'	80° 11'	101641	1080 BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1565	25° 45'	80° 11'	101641	1080 BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1566	25° 48'	80° 11'	101696	CRIMSON TOWER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1567	25° 47'	80° 8'	98465	PODA RESIDENCE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1568	25° 50'	80° 7'	99843	LA GORCE COUNTRY CLUB - WTP RO WELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1569	25° 53'	80° 7'	101672	FDOT RIGHT OF WAY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1570	25° 48'	80° 7'	100519	HHLP MIAMI BEACH ASSOCIATION LLC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1571	25° 42'	80° 15'	101400	WILLIAM RAMIREZ	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1572	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1573	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1574	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1575	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1576	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1577	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1578	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1579	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1580	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1581	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1582	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1583	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1584	25° 51'	80° 7'	102202	BATH CLUB ESTATES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1585	25° 53'	80° 7'	100352	THE VILLAS AT BAY HARBOR	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1586	25° 53'	80° 7'	100353	BHI VENTURE LLC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1587	25° 46'	80° 11'	99288	WOLFSON STUDENT SUPPORT CENTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1588	25° 43'	80° 14'	100580	CITY OF MIAMI	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1589	25° 47'	80° 7'	101634	VINTRO HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1590	25° 46'	80° 8'	101180	LEONARD TURKEL RESIDENCE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1591	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1592	25° 47'	80° 12'	101184	ST. JOHNS RELIGIOUS STORE	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/19/1985
1593	25° 47'	80° 7'	100748	PALM COURT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1594	25° 47'	80° 8'	100531	FLORIDA DEPT. OF TRANSPORTATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1595	25° 47'	80° 8'	99161	1843 WEST AVENUE PARKKING LOT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1596	25° 45'	80° 11'	101841	LE PARC AT BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1597	25° 48'	80° 11'	102371	MIAMI DESIGN DISTRICT PHASE 3	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1598	25° 48'	80° 7'	101127	FDOT INDIAN CREEK DRIVE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1599	25° 47'	80° 7'	100455	LESLIE HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1600	25° 52'	80° 7'	101769	SURF CLUB (SC TRUST LLC)	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1601	25° 52'	80° 7'	101769	SURF CLUB (SC TRUST LLC)	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1602	25° 52'	80° 7'	101769	SURF CLUB (SC TRUST LLC)	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
1603	25° 42'	80° 16'	102153	GABLES ONE TOWER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1604	25° 42'	80° 16'	102153	GABLES ONE TOWER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1605	25° 47'	80° 7'	99448	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1606	25° 46'	80° 12'	99461	CITY OF MIAMI	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1607	25° 47'	80° 7'	102035	PLYMOUTH HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1608	25° 53'	80° 8'	101754	MONARCH HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1609	25° 53'	80° 8'	101754	MONARCH HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1610	25° 53'	80° 8'	101754	MONARCH HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1611	25° 46'	80° 8'	102222	1215 ON WEST AKA DOMUS GROUP HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1612	25° 49'	80° 7'	102026	RITZ CARLTON RESIDENCES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1613	25° 49'	80° 7'	102026	RITZ CARLTON RESIDENCES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1614	25° 49'	80° 7'	102026	RITZ CARLTON RESIDENCES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1615	25° 47'	80° 7'	101239	LENNOX HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1616	25° 47'	80° 8'	100429	CITY OF MIAMI BEACH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1617	25° 45'	80° 11'	101473	BRICKELL VIEW TERRACE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1618	25° 41'	80° 15'	100137	DAVID & MICHELLE ADLER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1619	25° 44'	80° 9'	100138	THE CITY OF MIAMI	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1620	25° 47'	80° 7'	102113	PARKING LOT 17X	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1621	25° 47'	80° 7'	100355	PESTANA HOTEL MIAMI LLC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1622	25° 48'	80° 12'	102027	WYNWOOD CENTRAL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1623	25° 48'	80° 12'	102027	WYNWOOD CENTRAL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1624	25° 47'	80° 8'	100359	SHERMAN PROPERTIES BUILDING	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1625	25° 52'	80° 9'	100154	DADE COUNTY PUBLIC WORKS DEPT.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1626	25° 53'	80° 9'	100155	MIAMI DADE COUNTY PUBLIC WORKS DEPT.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1627	25° 48'	80° 7'	101576	FREEHAND MIAMI	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1628	25° 46'	80° 9'	56802	DRAINAGE SHED B NORTH OF PORT BLVD.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/19/1996
1629	25° 47'	80° 16'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Class V Non-ASR	-	0	0	Biscayne	5/17/1984
1630	25° 46'	80° 9'	56561	PORT OF MIAMI	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1631	25° 46'	80° 9'	56563	PORT OF MIAMI/LUMMUS ISLAND	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1632	25° 46'	80° 10'	56566	PORT OF MIAMI-DODGE ISLAND	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1633	25° 46'	80° 10'	56567	PORT OF MIAMI-DODGE ISLAND	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1634	25° 46'	80° 10'	56570	PORT OF MIAMI-DODGE ISLAND	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1635	25° 46'	80° 10'	56573	PORT OF MIAMI-DODGE ISLAND	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1636	25° 46'	80° 10'	56574	PORT OF MIAMI-DODGE ISLAND	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1637	25° 54'	80° 9'	56575	DADE CO 662251 NE 151 ST. TO FIU	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1638	25° 46'	80° 11'	58880	MIAMI RIVERSIDE CENTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1639	25° 46'	80° 11'	58880	MIAMI RIVERSIDE CENTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1640	25° 46'	80° 11'	58880	MIAMI RIVERSIDE CENTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1641	25° 46'	80° 11'	58880	MIAMI RIVERSIDE CENTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1642	25° 46'	80° 11'	58880	MIAMI RIVERSIDE CENTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1643	25° 46'	80° 11'	58880	MIAMI RIVERSIDE CENTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1644	25° 46'	80° 11'	58880	MIAMI RIVERSIDE CENTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1645	25° 46'	80° 11'	58880	MIAMI RIVERSIDE CENTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1646	25° 45'	80° 8'	57591	FISHER ISLAND COMM. CNTR. BLDG. C-3	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1647	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1648	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1649	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1650	25° 52'	80° 7'	57718	81 ST. BRIDGE/BISCAYNE POINT WATER	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/12/1988
1651	25° 47'	80° 8'	57108	SUNSET HARBOUR DRIVE ROAD IMPROVEMENTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1652	25° 47'	80° 8'	57108	SUNSET HARBOUR DRIVE ROAD IMPROVEMENTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1653	25° 47'	80° 8'	57108	SUNSET HARBOUR DRIVE ROAD IMPROVEMENTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1654	25° 47'	80° 8'	57108	SUNSET HARBOUR DRIVE ROAD IMPROVEMENTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1655	25° 45'	80° 13'	57144	SHENANDOAH LIBRARY	FDEP	Class V Non-ASR	-	0	0	Biscayne	12/18/2007
1656	25° 47'	80° 13'	57173	KEY POWER, INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1657	25° 45'	80° 11'	102276	CASSA BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1658	25° 47'	80° 11'	57248	BRAMAN BMW	FDEP	Class V Non-ASR	-	0	0	Biscayne	3/18/1987
1659	25° 46'	80° 8'	58043	MIAMI BEACH GOLD CLUB	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1660	25° 46'	80° 8'	58043	MIAMI BEACH GOLD CLUB	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1661	25° 40'	80° 18'	61715	VERNON, THOMAS	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/30/1984
1662	25° 42'	80° 15'	61724	BARKDULL, TOM, JR.	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/30/1984
1663	25° 43'	80° 14'	61725	TOM-KEN, INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/30/1984
1664	25° 50'	80° 17'	61730	TOWER PAINT MFG. CO.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/29/2008
1665	25° 46'	80° 8'	61739	TRAVELERS MOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/31/1984
1666	25° 50'	80° 8'	61741	TREASURE PARK APARTMENTS	FDEP	Class V Non-ASR	-	0	50	Biscayne	7/31/1984
1667	25° 49'	80° 12'	61749	TREISTER & TREISTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/31/1984
1668	25° 45'	80° 11'	62519	TAZIUS, FOTIS	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/11/1984
1669	25° 44'	80° 12'	62529	COLE, FRANK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1670	25° 48'	80° 17'	62542	KLEBBA, FRANK	FDEP	Class V Non-ASR	-	0	85	Biscayne	10/15/1984
1671	25° 48'	80° 17'	62549	KLEBBA, FRANK	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/15/1984
1672	25° 45'	80° 17'	62558	SCANDORE, FRANK	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/16/1984
1673	25° 46'	80° 10'	60205	BRICKELL KEY, INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1674	25° 48'	80° 7'	60213	ATLANTIC TOWERS	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/13/1978
1675	25° 49'	80° 8'	60214	TARAFA, MARTHA	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/11/1978
1676	25° 48'	80° 7'	60216	GOLDSZMIDT, MOISES	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/10/1979
1677	25° 49'	80° 7'	60232	MARTIN KRAIDIN	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/6/1978
1678	25° 46'	80° 12'	60952	CITY OF MIAMI	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/23/1984
1679	25° 49'	80° 11'	60953	CITY OF MIAMI LIBRARY	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/23/1984
1680	25° 42'	80° 17'	60956	CITY OF SOUTH MIAMI	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/23/1984
1681	25° 43'	80° 14'	60958	CITY PLUMBING COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/23/1984
1682	25° 42'	80° 17'	60984	COCONUT HOUSE APTS.	FDEP	Class V Non-ASR	-	0	85	Biscayne	8/23/1984
1683	25° 46'	80° 12'	61762	TROPICANA BALLROOM	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/31/1984
1684	25° 46'	80° 11'	61785	UNITED NATIONAL BANK	FDEP	Class V Non-ASR	-	0	35	Biscayne	8/15/1985
1685	25° 42'	80° 18'	61787	UNIVERSITY CHRISTIAN CHURCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/1/1984
1686	25° 42'	80° 15'	61789	UNIVERSITY OF MIAMI	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/1/1984
1687	25° 43'	80° 15'	62575	BREER, FRED	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/18/1984
1688	25° 42'	80° 15'	62581	LAVIS, FRED	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/18/1984
1689	25° 44'	80° 14'	62585	SNOWMAN, FRED	FDEP	Class V Non-ASR	-	0	80	Biscayne	10/18/1984
1690	25° 45'	80° 14'	62586	SNOWMAN, FRED	FDEP	Class V Non-ASR	-	0	70	Biscayne	10/18/1984
1691	25° 45'	80° 15'	62587	SNOWMAN, FRED	FDEP	Class V Non-ASR	-	0	85	Biscayne	10/18/1984

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Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
1692	25° 50'	80° 16'	62588	SNOWMAN, FRED	FDEP	Class V Non-ASR	-	0	85	Biscayne	10/18/1984
1693	25° 41'	80° 9'	62591	WETMORE, FRED	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/18/1984
1694	25° 48'	80° 11'	62599	FREEMAN &SON, INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/18/1984
1695	25° 44'	80° 15'	62614	PEPPARD, G. E.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/18/1984
1696	25° 48'	80° 8'	60248	RETTER, DANIEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/19/1977
1697	25° 44'	80° 13'	60261	KINGS WHARF, LTD.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1698	25° 50'	80° 7'	60281	CASA BLANCA HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/31/1978
1699	25° 48'	80° 11'	61009	CORDIS CORP.	FDEP	Class V Non-ASR	-	0	40	Biscayne	8/24/1984
1700	25° 44'	80° 20'	61814	BLAKE, JR., VAUGHN W.	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/2/1984
1701	25° 54'	80° 11'	61826	VILLANI APARTMENTS	FDEP	Class V Non-ASR	-	0	85	Biscayne	8/3/1984
1702	25° 42'	80° 14'	62633	HYAMS, GABRIEL M.	FDEP	Class V Non-ASR	-	0	40	Biscayne	10/24/1984
1703	25° 44'	80° 12'	62641	GAR CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/24/1984
1704	25° 48'	80° 13'	62656	GENERAL ACCEPTANCE CORP.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/24/1984
1705	25° 43'	80° 15'	62663	PROPERTY CONSTRUCTION CO.,INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/29/1984
1706	25° 43'	80° 14'	62667	WHEATLEY, R. H., JR.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/30/1984
1707	25° 43'	80° 16'	60328	RIVIERA COUNTRY CLUB	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1708	25° 43'	80° 14'	61899	TREPETE, WALTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/7/1984
1709	25° 47'	80° 7'	61905	SAMET, WAMUEL N.	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/8/1984
1710	25° 50'	80° 17'	61910	WATSCO, INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/29/2008
1711	25° 45'	80° 11'	60352	LINCOLN CENTER (FLAGSHIP GAR.)	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1712	25° 45'	80° 14'	60381	MACKLE, A. F.	FDEP	Class V Non-ASR	-	0	0	Biscayne	6/28/1984
1713	25° 45'	80° 11'	61095	DADE-MONROE TB & RD ASSOCIATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/30/1984
1714	25° 50'	80° 11'	61117	DARYL INDUSTRIES INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/31/1984
1715	25° 40'	80° 16'	61121	BLOUNT, DAVID B.	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/31/1984
1716	25° 45'	80° 15'	61130	KAPLAN, DAVID	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/31/1984
1717	25° 51'	80° 10'	61922	SIEGMAN, WESLEY	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/9/1984
1718	25° 54'	80° 9'	61942	KESSLER, WILLIAM B.	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/10/1984
1719	25° 53'	80° 11'	61943	BEATTIE, WILLIAM	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/10/1984
1720	25° 53'	80° 7'	59703	BAY HARBOR ELEMENTARY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1721	25° 42'	80° 15'	60397	ARONSON, A. M.	FDEP	Class V Non-ASR	-	0	35	Biscayne	7/3/1984
1722	25° 46	80° 15'	60401	FASSBACH, A. R.	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/3/1984
1723	25° 47'	80° 13'	60421	KASOW, ABRAHAM	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/18/1984
1724	25° 47'	80° 8'	61149	DELTA DESIGNERS, INC.	FDEP	Class V Non-ASR	-	0	35	Biscayne	9/4/1984
1725	25° 43'	80° 15'	61152	DEPT. OF ENGINEERING	FDEP	Class V Non-ASR	-	0	65	Biscayne	9/4/1984
1726	25° 43'	80° 15'	61152	DEPT. OF ENGINEERING	FDEP	Class V Non-ASR	-	0	65	Biscayne	9/4/1984
1727	25° 47'	80° 14'	61172	DIV. AMERICAN HOSPITAL SUPPLY	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/4/1984
1728	25° 52'	80° 10'	61177	HOEHN, DELORES	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/4/1984
1729	25° 50'	80° 9'	61963	KALMANSON, WILLIAM	FDEP	Class V Non-ASR	-	0	30	Biscayne	8/10/1984
1730	25° 45'	80° 13'	62010	WORLD INSURANCE COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/14/1984
1731	25° 42'	80° 16'	60467	LADD, ALBERT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1732	25° 52'	80° 10'	60487	TROJANOWSKI, ALEX	FDEP	Class V Non-ASR	-	0	85	Biscayne	7/26/1984
1733	25° 45'	80° 15'	61203	DOUGLAS VILLAGE	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/4/1984
1734	25° 42'	80° 17'	61206	DR. DEWARDS	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/4/1984
1735	25° 42'	80° 16'	61208	KENDRICK, DR. H. I.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/5/1984
1736	25° 41	80° 16'	61212	MULLER, LEONARD, DR.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/5/1984
1737	25° 44'	80° 14'	61213	LEMBERG, DR. LOUIS	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/5/1984
1738	25° 52'	80° 11'	61217	GOETSCHIUS, DR. A. M.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/6/1984
1739	25° 43'	80° 15'	61223	NEILL, DR. C. H.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/6/1984
1740	25° 43'	80° 16'	61227	BURDICK, DR. E. M.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/6/1984
1741	25° 47'	80° 16'	62030	2585TH AIR RES. FLY.	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/14/1984
1742	25° 48'	80° 11'	62034	7-UP BOTTLING CO.	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/14/1984
1743	25° 50'	80° 18'	62038	CAPUTO, GENE	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/12/1984
1744	25° 39'	80° 18'	62048	BETTY, GEORGE	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/12/1984
1745	25° 39'	80° 18'	60505	SALVO, ALICE S.	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/27/1984
1746	25° 48'	80° 13'	60511	ALLAPATTAH IMPROVEMENT ASSN.	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/30/1984
1747	25° 48'	80° 13'	60512	ALLAPATTAH METHODIST CHURCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/30/1984
1748	25° 50'	80° 15'	60516	ALLIED DIE CAST CORP.	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/30/1984
1749	25° 50'	80° 10'	60522	AMERICAN LEGION	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/30/1984
1750	25° 50'	80° 10'	60522	AMERICAN LEGION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1751	25° 47'	80° 12'	60526	AMERICAN HOSPITAL SUPPLY	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/30/1984
1752	25° 46'	80° 11'	60530	AMMAR BROTHERS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1753	25° 52'	80° 7'	61264	DUKE MOTEL	FDEP	Class V Non-ASR	-	0	40	Biscayne	9/6/1984
1754	25° 45'	80° 12'	62067	MALONEY, GEORGE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1755	25° 41'	80° 16'	62070	SABA, GEORGE	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/13/1984
1756	25° 42'	80° 15'	62073	TESSAROMATIS, GEORGE	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/16/1984
1757	25° 42'	80° 15'	62075	TESSOROMATIS, GEORGE	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/13/1984
1758	25° 42'	80° 15'	62078	COLLIER, GEORGE W.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/18/1984
1759	25° 41'	80° 16'	62112	SABA, GEORGE	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/16/1984
1760	25° 45'	80° 8'	59817	ESTATES OF FISHER ISLAND	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/5/2006
1761	25° 45'	80° 8'	59817	ESTATES OF FISHER ISLAND	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/5/2006
1762	25° 46'	80° 17'	60547	ANTHONY & BRIDY,INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1763	25° 42'	80° 17'	60565	ARGO HARDWARE	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/31/1984
1764	25° 48'	80° 11'	60582	BROWN, ART	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/1/1984
1765	25° 48'	80° 16'	61308	EASTERN AIRLINES	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/10/1984
1766	25° 48'	80° 16'	61308	EASTERN AIRLINES	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/10/1984
1767	25° 53'	80° 9'	61329	EDWARD HAMILTON APARTMENTS	FDEP	Class V Non-ASR	-	0	35	Biscayne	9/11/1984
1768	25° 51'	80° 10'	61337	RODRIQUEZ, EDWARD	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/26/1985
1769	25° 42'	80° 16'	61343	O'CONNELL, EDWARD F. J.	FDEP	Class V Non-ASR	-	0	50	Biscayne	9/11/1984
1770	25° 42'	80° 16'	61347	POWELL, EDWIN	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/11/1984
1771	25° 55'	80° 7'	62114	GOLDEN ARROW MOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/19/1984
1772	25° 55'	80° 11'	62115	GOLDEN DEVELOPMENT CORP.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/19/1984
1773	25° 45'	80° 13'	62147	GREGG MOTORS, INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/20/1984
1774	25° 47'	80° 13'	60637	B&H HOLDING CORPORATION	FDEP	Class V Non-ASR	-	0	70	Biscayne	8/3/1984
1775	25° 41'	80° 18'	61377	MILLER, S. E.	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/18/1984
1776	25° 44'	80° 16'	61380	VONCANNON, S. H.	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/18/1984
1777	25° 53'	80° 8'	61385	RISKIN, S.	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/18/1984
1778	25° 51'	80° 16'	61393	SAC CONSTRUCTION	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/18/1984
1779	25° 48'	80° 12'	61395	SADIAGO COURT APARTMENTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/18/1984
1780	25° 45'	80° 12'	61401	CYNAMON, SAM	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/18/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
1781	25° 42'	80° 16'	62167	FOWLER, H. D.	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/16/1984
1782	25° 39'	80° 17'	62168	DANIELSEN, H. E.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/20/1984
1783	25° 43'	80° 14'	62177	EBY, H. J.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/20/1984
1784	25° 43'	80° 15'	62178	RAICHERT, H. J.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/20/1984
1785	25° 42'	80° 16'	62182	MCCLAIN, H. P.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/20/1984
1786	25° 52'	80° 11'	62192	CARTER, HALLIE L.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/21/1984
1787	25° 42'	80° 15'	62209	KANTOR, HAROLD T.	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/19/1984
1788	25° 49'	80° 17'	62213	COONLEY, HAROLD	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/21/1984
1789	25° 43'	80° 14'	60646	BANYON APARTMENTS	FDEP	Class V Non-ASR	-	0	85	Biscayne	8/6/1984
1790	25° 48'	80° 15'	60652	BARFIELD INSTRUMENT COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/27/1984
1791	25° 51'	80° 9'	60653	BOARDMEN, BARNEY	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/6/1984
1792	25° 49'	80° 17'	60676	COOPER , BEN	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/7/1984
1793	25° 42'	80° 15'	61403	GREENBERG, SAM	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/18/1984
1794	25° 45'	80° 12'	61406	JOSEPH, SAM	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/18/1984
1795	25° 43'	80° 14'	61410	MARKS, SAM	FDEP	Class V Non-ASR	-	0	75	Biscayne	8/7/1984
1796	25° 41'	80° 9'	61416	SAMPA CORP.	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/18/1984
1797	25° 39'	80° 17'	61418	JOSEPH, SAMUEL	FDEP	Class V Non-ASR	-	0	65	Biscayne	10/29/1984
1798	25° 39'	80° 17'	61421	JOSEPH, SAMUEL S.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/29/1984
1799	25° 42'	80° 15'	61431	SARBRO, INC.	FDEP	Class V Non-ASR	-	0	50	Biscayne	7/19/1984
1800	25° 44'	80° 12'	61433	TASHMAN, SAUL	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/19/1984
1801	25° 42'	80° 16'	61437	SCHWEBKE-SHISKIN ASSOCIATES	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/19/1984
1802	25° 49'	80° 11'	61446	SEA COVE MOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/19/1984
1803	25° 48'	80° 16'	62215	HIGGINS, HARRY C.	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/19/1984
1804	25° 54'	80° 11'	62227	WATERSON, HARRY J.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/25/1984
1805	25° 47'	80° 11'	60711	BESSEMER PROPERTIES	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/8/1984
1806	25° 46'	80° 13'	60726	BIG MOE MASTER, INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/8/1984
1807	25° 49'	80° 15'	60728	WILLIAMS, BILL	FDEP	Class V Non-ASR	-	0	85	Biscayne	8/8/1984
1808	25° 39'	80° 17'	60731	MILLER, BILLY	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/9/1984
1809	25° 51'	80° 15'	61453	SECURITY PLASTICS, INC.	FDEP	Class V Non-ASR	-	0	80	Biscayne	7/19/1984
1810	25° 50'	80° 11'	61464	SHALIMAR MOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/19/1984
1811	25° 47'	80° 14'	61503	PSIESSER, SIMON	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/20/1984
1812	25° 50'	80° 11'	62275	NORTHEAST BAPTIST CHURCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/3/1984
1813	25° 50'	80° 11'	62281	NEW YORKER HOTEL	FDEP	Class V Non-ASR	-	0	70	Biscayne	10/8/1984
1814	25° 46'	80° 16'	62285	GALL, NICOLAS	FDEP	Class V Non-ASR	-	0	85	Biscayne	10/8/1984
1815	25° 53'	80° 14'	62286	NINETEEN CORPORATION	FDEP	Class V Non-ASR	-	0	85	Biscayne	10/8/1984
1816	25° 44'	80° 16'	62295	LYONS, NORMAN R.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/8/1984
1817	25° 43'	80° 15'	62299	FRIESE, NORVILLE	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/15/1984
1818	25° 53'	80° 12'	62303	NORTHWEST BAPTIST CHURCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/9/1984
1819	25° 47'	80° 8'	62309	FIDALGO, O.	FDEP	Class V Non-ASR	-	0	25	Biscayne	10/9/1984
1820	25° 46'	80° 8'	59964	GUMNICK BLDG. PARKING LOT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1821	25° 46'	80° 8'	59964	GUMNICK BLDG. PARKING LOT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1822	25° 46'	80° 8'	59964	GUMNICK BLDG. PARKING LOT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1823	25° 46'	80° 8'	59964	GUMNICK BLDG. PARKING LOT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1824	25° 46'	80° 8'	59964	GUMNICK BLDG. PARKING LOT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1825	25° 46'	80° 8'	59964	GUMNICK BLDG. PARKING LOT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1826	25° 47'	80° 8'	59982	BAY ROAD CONDOMINIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1827	25° 49'	80° 11'	60777	BURROUGHS ADDING MACHINE COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/15/1984
1828	25° 51'	80° 15'	60788	BREWEN,C.C.	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/15/1984
1829	25° 44'	80° 13'	61515	MCCREA, SLOAN	FDEP	Class V Non-ASR	-	0	50	Biscayne	7/20/1984
1830	25° 40'	80° 16'	61541	ROVIN, SOL	FDEP	Class V Non-ASR	-	0	50	Biscayne	7/20/1984
1831	25° 42'	80° 17'	60089	EMIL J. GOULD	FDEP	Class V Non-ASR	-	0	0	Biscayne	6/22/1983
1832	25° 41'	80° 17'	60092	FACILITY OF E.C. & A.H. GRECO,JR.	FDEP	Class V Non-ASR	-	0	0	Biscayne	6/27/1983
1833	25° 48'	80° 11'	60093	DECORATORS SHOWCASE BLDG	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1834	25° 42'	80° 16'	60094	FACILITY OF MR. & MRS.C. R. BINGHAM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1956
1835	25° 46'	80° 12'	60095	BISCAYNE ENGINEERING CO., INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1964
1836	25° 42'	80° 16'	60099	FRANKLYN J. DUGAS	FDEP	Class V Non-ASR	-	0	0	Biscayne	6/29/1983
1837	25° 43'	80° 14'	60797	TURNER, C. E.	FDEP	Class V Non-ASR	-	0	40	Biscayne	8/16/1984
1838	25° 50'	80° 15'	60823	CABRERA VULCAN SHOE CO.	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/16/1984
1839	25° 43'	80° 15'	61563	SPARKS CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/20/1984
1840	25° 49'	80° 12'	61567	SPECTOR & SONS	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/20/1984
1841	25° 53'	80° 9'	61589	BAUMANN, STANLEY	FDEP	Class V Non-ASR	-	0	85	Biscayne	7/23/1984
1842	25° 42'	80° 15'	61595	LANG, STANLEY R.	FDEP	Class V Non-ASR	-	0	50	Biscayne	7/23/1984
1843	25° 42'	80° 16'	62370	STOIK, EMIL	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/21/1984
1844	25° 42'	80° 16'	62388	GUM, EVERETT	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/24/1984
1845	25° 43'	80° 17'	62398	VERSON, F. E., MD	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/24/1984
1846	25° 42'	80° 16'	60850	DIAZ, CARLOS	FDEP	Class V Non-ASR	-	0	40	Biscayne	8/17/1984
1847	25° 51'	80° 11'	60854	SANDY, CARMEN D.	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/17/1984
1848	25° 45'	80° 14'	60870	CATASABIA, CHARLES	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/20/1984
1849	25° 52'	80° 10'	60873	QUEEN, CHARLES E.	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/20/1984
1850	25° 47'	80° 15'	60882	KRAMER, CHARLES	FDEP	Class V Non-ASR	-	0	85	Biscayne	8/20/1984
1851	25° 40'	80° 17'	60886	MUSICK, CHARLES	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/20/1984
1852	25° 42'	80° 16'	60887	NALLY,CHARLES	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/20/1984
1853	25° 39'	80° 18'	60895	PIERCE, CHARLES T.	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/20/1984
1854	25° 45'	80° 11'	61617	STORER BROADCASTING COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/23/1984
1855	25° 40'	80° 19'	62425	WAGNER, FELIX R.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/24/1984
1856	25° 42'	80° 17'	62440	FLORIDA ALPHA ASSOCIATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/26/1984
1857	25° 53'	80° 10'	62443	FLORIDA DUST CONTROL	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/26/1984
1858	25° 49'	80° 18'	60106	BILLIE J. LUND	FDEP	Class V Non-ASR	-	0	0	Biscayne	6/29/1983
1859	25° 45'	80° 11'	60117	EQUITABLE LIFE ASSURANCE SOCIETY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1860	25° 44'	80° 16'	60122	PAGE, HENRY W.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/8/1985
1861	25° 45'	80° 15'	60123	FACILITY OF C.G.W. CLUB	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/25/1983
1862	25° 43'	80° 15'	60902	SUMMERS, CHARNELLE	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/20/1984
1863	25° 47'	80° 12'	60906	CHEMICAL ASSOCIATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/20/1984
1864	25° 49'	80° 10'	61672	LANGSTON, T. R.	FDEP	Class V Non-ASR	-	0	50	Biscayne	7/25/1984
1865	25° 42'	80° 16'	61688	BETTENDORF, TERRY	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/25/1984
1866	25° 54'	80° 12'	61691	SIERON, THADDEUS	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/25/1984
1867	25° 46'	80° 16'	62488	FLAGLER GRENADA JEWISH CHURCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/5/1984
1868	25° 47'	80° 13'	60158	RIVER RUN CONDOMINIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	12/18/1985
1869	25° 50'	80° 10'	60170	WIMBLEDON RACQUET CLUB INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/6/1981

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
1870	25° 50'	80° 10'	60170	WIMBLEDON RACQUET CLUB INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1871	25° 50'	80° 10'	60170	WIMBLEDON RACQUET CLUB INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1872	25° 50'	80° 10'	60170	WIMBLEDON RACQUET CLUB INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1873	25° 50'	80° 10'	60170	WIMBLEDON RACQUET CLUB INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1874	25° 50'	80° 10'	60172	WIMBLEDON RACQUET CLUB INC. WELL #4	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/6/1981
1875	25° 50'	80° 10'	60173	WIMBLEDON RACQUET CLUB INC. WELL #3	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/6/1981
1876	25° 39'	80° 17'	63328	REININGER, STEVEN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/8/1985
1877	25° 52'	80° 7'	63333	RODNEY MOTEL & APARTMENTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/29/2008
1878	25° 41'	80° 16'	63338	SOLOMON, JOSEPH M.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/7/1985
1879	25° 51'	80° 10'	63343	THOMAS, J. PAUL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/4/1985
1880	25° 45'	80° 13'	63354	WHITENER'S PHOTO	FDEP	Class V Non-ASR	-	0	85	Biscayne	1/15/1985
1881	25° 47'	80° 14'	64150	MARINE PARK CONSTRUCTION	FDEP	Class V Non-ASR	-	0	50	Biscayne	10/11/1984
1882	25° 39'	80° 18'	64158	MARK 111 CORPORATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/11/1984
1883	25° 49'	80° 16'	64183	WILLIAMS, MARY	FDEP	Class V Non-ASR	-	0	85	Biscayne	10/15/1984
1884	25° 51'	80° 17'	63387	MILLER HELEN R.	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/5/1984
1885	25° 42'	80° 16'	63414	LASSER, HERBERT	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/6/1984
1886	25° 47'	80° 7'	64205	MAYFAIR HOTEL	FDEP	Class V Non-ASR	-	0	40	Biscayne	10/17/1984
1887	25° 50'	80° 11'	64208	MCCANN PLUMBING	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/17/1984
1888	25° 44'	80° 18'	64213	MEEKINS, INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/18/1984
1889	25° 48'	80° 19'	64214	KOENIG, MEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/18/1984
1890	25° 44'	80° 12'	64227	MERCY HOSPITAL	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/22/1984
1891	25° 47'	80° 12'	64246	MIA. CRYSTAL ICE. CO.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/22/1984
1892	25° 53'	80° 7'	63454	HILYARD HOTEL	FDEP	Class V Non-ASR	-	0	40	Biscayne	7/6/1984
1893	25° 46'	80° 12'	63474	HOUSER INVESTMENT CORPORATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/9/1984
1894	25° 51'	80° 11'	64266	MIAMI SHORES PRESBYTERIAN CHURCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/23/1984
1895	25° 45'	80° 12'	64277	MIAMI HEBREW CONG.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/23/1984
1896	25° 51'	80° 11'	64283	MIAMI SHORES BAPTIST CHURCH	FDEP	Class V Non-ASR	-	0	30	Biscayne	1/14/1985
1897	25° 54'	80° 11'	64294	CARDELL, MIKE	FDEP	Class V Non-ASR	-	0	85	Biscayne	10/24/1984
1898	25° 45'	80° 12'	64301	MILLMAN CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	0	60	Biscayne	10/24/1984
1899	25° 50'	80° 11'	62680	OTTO DI VOSTA	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/15/1984
1900	25° 46'	80° 11'	62682	OWENS FURNITURE	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/16/1984
1901	25° 48'	80° 14'	62722	PARADISE BOWLING CENTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/19/1984
1902	25° 41'	80° 16'	64308	RAYNOR, MILTON T.	FDEP	Class V Non-ASR	-	0	50	Biscayne	10/24/1984
1903	25° 44'	80° 16'	64311	RUSSELL, DELLORE	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/24/1984
1904	25° 47'	80° 11'	64328	GUGGENHEIM, MONROE	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/24/1984
1905	25° 52'	80° 7'	64338	MORTON APTS.	FDEP	Class V Non-ASR	-	0	45	Biscayne	10/25/1984
1906	25° 52'	80° 7'	64338	MORTON APTS.	FDEP	Class V Non-ASR	-	0	45	Biscayne	10/25/1984
1907	25° 47'	80° 8'	64344	HERSMAN, MOSES	FDEP	Class V Non-ASR	-	0	50	Biscayne	10/25/1984
1908	25° 47'	80° 12'	62801	PUBLIC WORKS DEPT.-MIAMI	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/14/1984
1909	25° 50'	80° 16'	62811	QUINTANO APTS.	FDEP	Class V Non-ASR	-	0	85	Biscayne	11/1/1984
1910	25° 48'	80° 7'	62816	CIRCA 39 HOTEL /HALPERIN, R. A.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1911	25° 43'	80° 16'	62817	PARSLEY, R. A., JR.	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/1/1984
1912	25° 39'	80° 17'	63530	GETZ, IRVING	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/9/1984
1913	25° 46'	80° 14'	63538	EVANGELICAL PENTECOSTAL CHURCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/11/1984
1914	25° 46'	80° 13'	63564	EVERSON, J. E.	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/11/1984
1915	25° 45'	80° 15'	64355	CHRISTOPHER (ANTILLA HOTEL)	FDEP	Class V Non-ASR	-	0	85	Biscayne	10/29/1984
1916	25° 42'	80° 16'	64365	POMERANT, MR. HAROLD	FDEP	Class V Non-ASR	-	0	50	Biscayne	10/29/1984
1917	25° 42'	80° 15'	64366	RHODES, MR. HARRY W.	FDEP	Class V Non-ASR	-	0	30	Biscayne	10/29/1984
1918	25° 39'	80° 17'	64372	BRASWDIL, MR. JULIAN	FDEP	Class V Non-ASR	-	0	65	Biscayne	10/29/1984
1919	25° 43'	80° 18'	64377	GOLDBERG, MR. MOREY	FDEP	Class V Non-ASR	-	0	85	Biscayne	10/29/1984
1920	25° 40'	80° 17'	64381	KLEIN, ROBERT	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/29/1984
1921	25° 39'	80° 18'	64385	HERRINGTON, MR. W.S.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/29/1984
1922	25° 45'	80° 13'	64398	TILLINGER, B.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/30/1984
1923	25° 51'	80° 10'	64400	FOGLEMAN, C.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/30/1984
1924	25° 45'	80° 12'	64401	MOON, MRS. CHARLES M.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/30/1984
1925	25° 43'	80° 20'	62736	THOMAS, PAUL B.	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/14/1984
1926	25° 53'	80° 11'	62764	PALMER, PETER	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/26/1984
1927	25° 54'	80° 10'	63581	J. K. REALTY COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/12/1984
1928	25° 45'	80° 17'	63591	ALVEREZ, J. M.	FDEP	Class V Non-ASR	-	0	50	Biscayne	7/12/1984
1929	25° 53'	80° 11'	63600	AVERY, J.S.	FDEP	Class V Non-ASR	-	0	85	Biscayne	7/12/1984
1930	25° 44'	80° 15'	63608	HEYMAN, J. W.	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/13/1984
1931	25° 42'	80° 15'	63613	FREEMAN, JACK A.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1932	25° 45'	80° 18'	63615	BIRT, JACK	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/13/1984
1933	25° 41'	80° 10'	63623	JOHNSON, JACK	FDEP	Class V Non-ASR	-	0	30	Biscayne	7/13/1984
1934	25° 44'	80° 13'	64410	VARET, MRS. M.	FDEP	Class V Non-ASR	-	0	80	Biscayne	10/30/1984
1935	25° 44'	80° 12'	64411	PALMER, MRS. MARTIN	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/5/1984
1936	25° 43'	80° 15'	64412	TUTAN, MRS. MILDRED F.	FDEP	Class V Non-ASR	-	0	60	Biscayne	10/30/1984
1937	25° 49'	80° 11'	64449	BROWN, MRS. R.M.	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/31/1984
1938	25° 50'	80° 17'	62852	TRAYLOR, R. M.	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/9/1984
1939	25° 42'	80° 16'	62854	HODGES, R. M.	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/9/1984
1940	25° 48'	80° 17'	62857	TONKS, R. M.	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/9/1984
1941	25° 45'	80° 13'	62865	CHAPMAN, R. T.	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/13/1984
1942	25° 40'	80° 16'	62867	WALL, R. W., JR.	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/13/1984
1943	25° 51'	80° 8'	63647	MELLOUL, JACQUES	FDEP	Class V Non-ASR	-	0	40	Biscayne	7/19/1984
1944	25° 44'	80° 16'	63655	BATAL, JAMES	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/19/1984
1945	25° 44'	80° 13'	63656	BRADDY, JAMES	FDEP	Class V Non-ASR	-	0	50	Biscayne	7/19/1984
1946	25° 44'	80° 14'	63660	COLROSS, JAMES	FDEP	Class V Non-ASR	-	0	70	Biscayne	7/19/1984
1947	25° 48'	80° 14'	63670	PENNELLA, JAMES E.	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/16/1985
1948	25° 45'	80° 17'	62913	REID BUILDERS	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/19/1984
1949	25° 44'	80° 13'	63688	JAMES R. PATRICK	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/25/1984
1950	25° 50'	80° 7'	63689	JAMES S PETTIT	FDEP	Class V Non-ASR	-	0	35	Biscayne	7/25/1984
1951	25° 46'	80° 7'	63691	JAMES TRUEMAN	FDEP	Class V Non-ASR	-	0	50	Biscayne	7/25/1984
1952	25° 42'	80° 16'	63695	JAMES W. BREWER	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/25/1984
1953	25° 51'	80° 11'	63717	BLONDED, JEROME S.	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/31/1984
1954	25° 53'	80° 12'	63722	SALADINO, JERRY	FDEP	Class V Non-ASR	-	0	0	Biscayne	7/31/1984
1955	25° 41'	80° 15'	62979	RICE CONSTRUCTION	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/19/1984
1956	25° 41'	80° 9'	62989	BASKER, RICHARD C.	FDEP	Class V Non-ASR	-	0	40	Biscayne	11/19/1984
1957	25° 45'	80° 15'	63026	AUSBECK, ROBERT A.	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/26/1984
1958	25° 50'	80° 17'	63740	WYNNE, JOEL	FDEP	Class V Non-ASR	-	0	85	Biscayne	8/1/1984

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Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
1959	25° 50'	80° 16'	63741	JOEL WYNNE APTS.	FDEP	Class V Non-ASR	-	0	85	Biscayne	8/1/1984
1960	25° 41'	80° 9'	63755	CESARIO, JOHN	FDEP	Class V Non-ASR	-	0	40	Biscayne	8/7/1984
1961	25° 43'	80° 17'	63757	CURTIS, JOHN	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/7/1984
1962	25° 52'	80° 11'	63764	GRAHAM, JOHN	FDEP	Class V Non-ASR	-	0	85	Biscayne	8/7/1984
1963	25° 46'	80° 15'	63772	LAURENCE, JOHN	FDEP	Class V Non-ASR	-	0	85	Biscayne	8/9/1984
1964	25° 43'	80° 16'	63773	LAWRENCE, JOHN	FDEP	Class V Non-ASR	-	0	60	Biscayne	8/9/1984
1965	25° 49'	80° 11'	63774	MAYO, JOHN	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/9/1984
1966	25° 43'	80° 17'	62935	MENDELSON, HARRY	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/19/1984
1967	25° 49'	80° 15'	62940	NEMO BEEF CO., INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/20/1984
1968	25° 42'	80° 19'	62978	RICE CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/19/1984
1969	25° 44'	80° 14'	63791	MARQUEZ, JOSE	FDEP	Class V Non-ASR	-	0	60	Biscayne	8/9/1984
1970	25° 42'	80° 15'	63799	AMERKAN, JOSEPH	FDEP	Class V Non-ASR	-	0	30	Biscayne	8/10/1984
1971	25° 42'	80° 15'	63811	KABALAN, JOSEPH JR.	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/13/1984
1972	25° 44'	80° 12'	63815	MANGONE, JOSEPH	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/13/1984
1973	25° 42'	80° 15'	63828	WUBBOLD, JOSEPH	FDEP	Class V Non-ASR	-	0	50	Biscayne	8/13/1984
1974	25° 47'	80° 14'	63832	JUAN DE LA FE	FDEP	Class V Non-ASR	-	0	0	Biscayne	8/13/1984
1975	25° 42'	80° 15'	63837	MARGOLIES, JULIUS	FDEP	Class V Non-ASR	-	0	45	Biscayne	9/5/1984
1976	25° 45'	80° 11'	65338	UNITED NATIONAL BANK BUILDING	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
1977	25° 41'	80° 16'	63849	KENNEDY, KAY	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/5/1984
1978	25° 46'	80° 15'	63853	KELLER APARTMENTS	FDEP	Class V Non-ASR	-	0	85	Biscayne	9/5/1984
1979	25° 50'	80° 11'	63857	KEN-LIN MOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/5/1984
1980	25° 46'	80° 12'	63112	ROYAL BAKING CO., INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/29/1984
1981	25° 41'	80° 16'	63114	ROYAL KING	FDEP	Class V Non-ASR	-	0	0	Biscayne	11/29/1984
1982	25° 48'	80° 14'	63894	KURT ENFIELD	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/6/1984
1983	25° 42'	80° 16'	63896	KUZNIK WELL DRILLINGS	FDEP	Class V Non-ASR	-	0	85	Biscayne	9/6/1984
1984	25° 45'	80° 15'	63910	HUGUELET, L.E.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/24/1984
1985	25° 49'	80° 15'	63913	GELVAN, L.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/25/1984
1986	25° 44'	80° 12'	63925	JACKSON, L.S.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/25/1984
1987	25° 44'	80° 12'	63925	JACKSON, L.S.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/25/1984
1988	25° 51'	80° 12'	63927	JOHNSON, L. T.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/25/1984
1989	25° 41'	80° 9'	63928	SHANK, L. V.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/25/1984
1990	25° 46'	80° 17'	63939	LAIR APARTMENTS	FDEP	Class V Non-ASR	-	0	85	Biscayne	9/25/1984
1991	25° 43'	80° 17'	63195	BRAXTON, HAROLD M.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/2/1985
1992	25° 42'	80° 18'	63202	HOUGHTON, ANTHONY C.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/2/1985
1993	25° 48'	80° 15'	63217	CROMWELL INDUSTRIES MFG. CO.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/3/1985
1994	25° 47'	80° 13'	63943	LAND O' SUN DAIRIES	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/25/1984
1995	25° 46'	80° 15'	63944	LANDERS INSURANCE COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/25/1984
1996	25° 53'	80° 13'	63970	LEHIGH PORTLAND CEMENT	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/26/1984
1997	25° 42'	80° 15'	63974	MCKEE, LELAND	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/26/1984
1998	25° 49'	80° 12'	63992	DUBLIN, LEONARD	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/26/1984
1999	25° 50'	80° 10'	63993	DUBLIN, LEONARD	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/26/1984
2000	25° 53'	80° 8'	65445	SR922-(KANE CONCOURSE-96 ST.)	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2001	25° 43'	80° 17'	63135	HOPE LUTHERAN CHURCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/29/2008
2002	25° 51'	80° 10'	63136	HOWE, OSMOND C., JR.	FDEP	Class V Non-ASR	-	0	0	Biscayne	12/27/1984
2003	25° 45'	80° 14'	63176	CARVEL FRANCHISE	FDEP	Class V Non-ASR	-	0	0	Biscayne	12/27/1984
2004	25° 46'	80° 11'	94981	LOGIC TOWER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2005	25° 46'	80° 11'	63999	BOATWRIGHT, LOENARD M.	FDEP	Class V Non-ASR	-	0	60	Biscayne	9/26/1984
2006	25° 41'	80° 17'	64013	COCHRFANE, LESTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/27/1984
2007	25° 50'	80° 11'	64028	LITTLE RIVER BANK & TRUST	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/27/1984
2008	25° 45'	80° 11'	64039	LON WORTH CROW COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/4/1984
2009	25° 51'	80° 7'	65502	SR A1A/COLLINS AVE./HARDING AVE.	FDEP	Class V Non-ASR	-	0	0	Biscayne	9/29/1995
2010	25° 46'	80° 12'	65518	Drainage	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/24/1985
2011	25° 51'	80° 12'	63244	COLONIAL PONTIAC, INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/3/1985
2012	25° 44'	80° 16'	63264	ROGERS, HERBERT S.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/4/1985
2013	25° 46'	80° 11'	63274	CITY OF MIAMI/UNIV. OF MIA./JLK CEN	FDEP	Class V Non-ASR	-	0	0	Biscayne	12/28/1984
2014	25° 45'	80° 13'	63275	GEORGE, JAMES	FDEP	Class V Non-ASR	-	0	65	Biscayne	1/15/1985
2015	25° 44'	80° 12'	64053	AUGUST, LOUIS	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/4/1984
2016	25° 44'	80° 15'	64061	ROSENSTOCK, LOUIS	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/4/1984
2017	25° 52'	80° 17'	63278	MILLSAP, JOHN B.	FDEP	Class V Non-ASR	-	0	12	Biscayne	1/15/1985
2018	25° 42'	80° 16'	63322	PERSANDI, GEORGE C. AND MARGARET	FDEP	Class V Non-ASR	-	0	40	Biscayne	1/29/2008
2019	25° 45'	80° 14'	64122	MACKLE CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/9/1984
2020	25° 46'	80° 12'	94918	MORRISON CONDOMINIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2021	25° 53'	80° 7'	84556	SURFSIDE TOWERS CONDOMINIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1990
2022	25° 46'	80° 7'	83966	FDOT 250236 COLLINS AVE/ 5TH ST TO 15TH ST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2023	25° 50'	80° 7'	85301	LA GORCE COUNTRY CLUB	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2024	25° 49'	80° 7'	85301	LA GORCE COUNTRY CLUB	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2025	25° 52'	80° 7'	85395	FOUR WINDS CONDOMINIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2026	25° 48'	80° 7'	86122	VERSAILLES HOTEL CONDOMINIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2027	25° 43'	80° 9'	87919	MIAMI SEAQUARIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2028	25° 42'	80° 15'	88461	THE GABLES PHASE-II	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2029	25° 42'	80° 15'	88461	THE GABLES PHASE-II	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2030	25° 46'	80° 8'	92305	SR 907 ALTON ROAD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2031	25° 46'	80° 8'	92305	SR 907 ALTON ROAD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2032	25° 46'	80° 8'	92305	SR 907 ALTON ROAD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2033	25° 47'	80° 8'	92305	SR 907 ALTON ROAD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2034	25° 51'	80° 9'	93805	THE ASTOR	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2035	25° 47'	80° 11'	93204	ELLIPSE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2036	25° 48'	80° 11'	92551	SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2037	25° 48'	80° 11'	92576	ICE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2038	25° 53'	80° 7'	92112	JULIETTE RESTAURANT	FDEP	Class V Non-ASR	-	0	0	Biscayne	10/17/2006
2039	25° 49'	80° 7'	95430	MARTIN KRAIDIN	FDEP	Class V Non-ASR	-	0	0	Biscayne	12/19/1983
2040	25° 45'	80° 15'	94445	LANCASTER PLAZA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2041	25° 50'	80° 7'	95403	6261 COLLINS AVENUE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2042	25° 50'	80° 7'	95403	6261 COLLINS AVENUE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2043	25° 48'	80° 7'	94901	MIAMI BEACH ADDITION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2044	25° 47'	80° 8'	95498	PEDESTRIAN MALL ON 1100 BLOCK OF LINCOLN ROAD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2045	25° 47'	80° 8'	95498	PEDESTRIAN MALL ON 1100 BLOCK OF LINCOLN ROAD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2046	25° 45'	80° 15'	94553	PONCE TOWER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2047	25° 46'	80° 11'	93852	ASTON MARTIN RESIDENCES FKA DUPONT EAST & WEST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
2048	25° 46'	80° 11'	93852	ASTON MARTIN RESIDENCES FKA DUPONT EAST & WEST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2049	25° 46'	80° 11'	93852	ASTON MARTIN RESIDENCES FKA DUPONT EAST & WEST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2050	25° 45'	80° 11'	94608	HABITAT II	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2051	25° 50'	80° 10'	94891	OASIS ON THE BAY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2052	25° 47'	80° 13'	94639	WAGNERS PLACE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2053	25° 44'	80° 13'	94814	SILVER COVE APARTMENTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2054	25° 48'	80° 11'	94753	UNIKA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2055	25° 46'	80° 11'	94772	RELATED LOFTS III	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2056	25° 46'	80° 7'	94921	120 OCEAN DRIVE-KALLISTO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2057	25° 46'	80° 12'	95019	FDOT SR 968/ WEST FLAGLER STREET	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2058	25° 46'	80° 8'	95362	1201 WEST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2059	25° 48'	80° 13'	95049	FRIENDSHIP TOWER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2060	25° 45'	80° 11'	95063	CAPITAL AT BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2061	25° 52'	80° 7'	94813	LANAI	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2062	25° 47'	80° 8'	94929	CYPRESS BAY CONDOMINIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2063	25° 45'	80° 11'	94230	CRYSTAL PLAZA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2064	25° 48'	80° 11'	94231	THE BOULEVARD CONDOMINIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2065	25° 51'	80° 7'	94263	6800 INDIAN CREEK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2066	25° 51'	80° 7'	94263	6800 INDIAN CREEK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2067	25° 51'	80° 7'	94263	6800 INDIAN CREEK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2068	25° 46'	80° 15'	103733	FLAGLER KENNEL CLUB	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2069	25° 45'	80° 15'	104550	DOUGLAS ENTRANCE CENTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2070	25° 47'	80° 12'	106341	FATHER MARQUESS--BARRY APARTMENTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2071	25° 45'	80° 11'	104409	RON CHORON - SANTA MARIA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2072	25° 52'	80° 7'	104410	GARY L. DONN - DOT #87060-3555/75TH TO 95TH ST.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2073	25° 49'	80° 7'	104411	EDEN ROCK RESORT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2074	25° 48'	80° 8'	104412	MT.SINAI MEDICAL CENTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2075	25° 44'	80° 18'	104693	TROPIC FAIR CONDOMINIUM ASSOCIATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2076	25° 46'	80° 11'	102681	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2077	25° 46'	80° 11'	102681	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2078	25° 46'	80° 11'	102681	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2079	25° 46'	80° 11'	102681	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2080	25° 46'	80° 11'	102681	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2081	25° 46'	80° 11'	102681	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2082	25° 46'	80° 11'	102681	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2083	25° 44'	80° 15'	105171	THE PLAZA CORAL GABLES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2084	25° 44'	80° 15'	105171	THE PLAZA CORAL GABLES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2085	25° 48'	80° 14'	103976	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2086	25° 47'	80° 15'	103977	SHELL OIL PRODUCTS COMPANU	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2087	25° 45'	80° 11'	104392	MR. MICHAEL TURNER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2088	25° 51'	80° 7'	104393	MR. WILSON ALAYO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2089	25° 50'	80° 7'	104394	MR. PETER COLTUNE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2090	25° 46'	80° 8'	104459	WALGREEN DRUGSTORE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2091	25° 46'	80° 8'	104459	WALGREEN DRUGSTORE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2092	25° 47'	80° 8'	102612	723 LINCOLN LANE NORTH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2093	25° 48'	80° 11'	102613	45 NE 41 STREET	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2094	25° 47'	80° 12'	106115	ALLAPATTAH WAREHOUSE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2095	25° 47'	80° 12'	106115	ALLAPATTAH WAREHOUSE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2096	25° 53'	80° 7'	102666	BAY VIEW 102	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2097	25° 53'	80° 7'	102666	BAY VIEW 102	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2098	25° 48'	80° 7'	105133	LEXINGTON HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2099	25° 51'	80° 12'	103877	MIAMI-DADE WATER & SEWER AUTHORITY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2100	25° 42'	80° 16'	103879	ROBERT J. PONDT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2101	25° 53'	80° 7'	106002	Proposed APARTMENT BUILDING	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2102	25° 50'	80° 7'	105850	5775 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2103	25° 51'	80° 7'	106098	FPL DUCT BANK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2104	25° 51'	80° 7'	106098	FPL DUCT BANK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2105	25° 50'	80° 7'	106098	FPL DUCT BANK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2106	25° 51'	80° 7'	106098	FPL DUCT BANK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2107	25° 51'	80° 16'	103705	FLORA GREENBERG	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2108	25° 50'	80° 18'	103711	R.J. GRAULICH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2109	25° 47'	80° 11'	106550	ARLO WYNWOODHOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2110	25° 47'	80° 13'	103665	C.J COTTERMAN, UNIVERSITY OF MIAMI	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2111	25° 44'	80° 15'	103666	JOHN NICHOLAS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2112	25° 49'	80° 10'	103922	J. MARSY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2113	25° 51'	80° 16'	103924	ALFONSO VILLARAO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2114	25° 46'	80° 13'	103925	ORLANDO ALONSO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2115	25° 46'	80° 13'	103926	WILLIAM LAUDERDALE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2116	25° 53'	80° 10'	103927	DAINEL ALVAREZ	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2117	25° 48'	80° 16'	103928	MR. & MRS. FRAM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2118	25° 45'	80° 11'	103931	MICHAEL FORTE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2119	25° 46'	80° 18'	103933	VALLIANT PROP INC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2120	25° 49'	80° 14'	104007	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2121	25° 52'	80° 12'	104008	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2122	25° 41'	80° 12'	104011	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2123	25° 43'	80° 15'	104012	SHELL OIL PORDUCTS COMAPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2124	25° 48'	80° 13'	106424	MOZAICO TOWNHOMES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2125	25° 45'	80° 17'	104096	SHELL OIL CO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2126	25° 46'	80° 11'	105979	MIAMI WORLDCENTER BLOCK F - EAST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2127	25° 46'	80° 11'	105979	MIAMI WORLDCENTER BLOCK F - EAST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2128	25° 46'	80° 11'	105979	MIAMI WORLDCENTER BLOCK F - EAST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2129	25° 46'	80° 11'	105979	MIAMI WORLDCENTER BLOCK F - EAST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2130	25° 46'	80° 11'	105979	MIAMI WORLDCENTER BLOCK F - EAST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2131	25° 45'	80° 11'	105981	GALWAN HOTEL BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2132	25° 45'	80° 11'	105981	GALWAN HOTEL BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2133	25° 45'	80° 11'	105981	GALWAN HOTEL BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2134	25° 45'	80° 11'	105981	GALWAN HOTEL BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2135	25° 45'	80° 11'	105981	GALWAN HOTEL BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2136	25° 43'	80° 15'	106490	JAGUAR LAND ROVER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970

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Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
2137	25° 43'	80° 15'	106490	JAGUAR LAND ROVER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2138	25° 43'	80° 15'	106490	JAGUAR LAND ROVER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2139	25° 43'	80° 14'	106598	SUMMER HILL CONDOMINIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2140	25° 43'	80° 14'	106598	SUMMER HILL CONDOMINIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2141	25° 43'	80° 14'	106598	SUMMER HILL CONDOMINIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2142	25° 43'	80° 14'	106598	SUMMER HILL CONDOMINIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2143	25° 47'	80° 12'	104652	S. JOHN'S RELIGIOUS STORE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2144	25° 52'	80° 7'	103364	TEMPLE MENORAH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2145	25° 41'	80° 9'	103366	GALEN DRIVE CONDOMINIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2146	25° 47'	80° 8'	103368	BONI VISTA, INC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2147	25° 48'	80° 7'	103369	BOARDWALK PLAZA HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2148	25° 51'	80° 7'	103370	ALAN S. GLACKMAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2149	25° 41'	80° 9'	103373	KEY BISCAYNE MALL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2150	25° 46'	80° 8'	103502	COLLINS VISTA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2151	25° 49'	80° 7'	103503	JERRY SCHECTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2152	25° 48'	80° 7'	103504	DAVIDSON, FERGUS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2153	25° 51'	80° 7'	103505	DELKUS, O. - DELKUS TOWER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2154	25°	54° 80'	106423	SOLE MIA NE 146TH ST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2155	25°	54° 80'	106423	SOLE MIA NE 146TH ST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2156	25°	54° 80'	106423	SOLE MIA NE 146TH ST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2157	25°	54° 80'	106423	SOLE MIA NE 146TH ST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2158	25°	54° 80'	106423	SOLE MIA NE 146TH ST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2159	25°	54° 80'	106423	SOLE MIA NE 146TH ST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2160	25°	54° 80'	106423	SOLE MIA NE 146TH ST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2161	25°	54° 80'	106423	SOLE MIA NE 146TH ST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2162	25°	54° 80'	106423	SOLE MIA NE 146TH ST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2163	25° 45'	80° 12'	104481	J. KETTLE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2164	25° 51'	80° 15'	104482	JOHN J. DONOFRIO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2165	25° 47'	80° 8'	106484	FIRESTONE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2166	25° 44'	80° 15'	106485	LINK AT DOUGLAS STATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2167	25° 44'	80° 15'	106485	LINK AT DOUGLAS STATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2168	25° 49'	80° 7'	103385	MICHAEL HOROWITZ	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2169	25° 46'	80° 14'	103388	TERREMARK INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2170	25° 46'	80° 14'	103388	TERREMARK INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2171	25° 49'	80° 7'	103390	ROY MASON	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2172	25° 48'	80° 7'	103391	WACHHOLDER, VICTOR	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2173	25° 47'	80° 7'	103392	L'EXCELLENNCE SOUTHEASTERN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2174	25° 50'	80° 11'	103393	SOUTHERN BELL WORKSHOP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2175	25° 48'	80° 8'	103394	MC CLELLAN, DAVID V.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2176	25° 50'	80° 17'	103395	GRECO, GRACE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2177	25° 48'	80° 6'	103396	COLLINS INC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2178	25° 45'	80° 11'	103397	U.S. DEVELOPEMENT CORP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2179	25° 45'	80° 11'	103397	U.S. DEVELOPEMENT CORP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2180	25° 45'	80° 11'	103397	U.S. DEVELOPEMENT CORP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2181	25° 45'	80° 11'	103397	U.S. DEVELOPEMENT CORP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2182	25° 47'	80° 18'	103629	R. HUQUET	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2183	25° 46'	80° 17'	103630	R.J. RODRIQUES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2184	25° 46'	80° 17'	103631	JULIO A VIYELLA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2185	25° 47'	80° 10'	103632	MENDY CORP.,	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2186	25° 51'	80° 8'	103633	MARVIN GREENWALD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2187	25° 50'	80° 6'	103634	D. B. BLACK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2188	25° 49'	80° 18'	103637	LUIS RIFELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2189	25° 45'	80° 12'	104522	MEGACENTER BRICKELL LLC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2190	25° 45'	80° 12'	104522	MEGACENTER BRICKELL LLC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2191	25° 46'	80° 12'	102742	MODERA RIVERHOUSE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2192	25° 47'	80° 12'	102742	MODERA RIVERHOUSE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2193	25° 47'	80° 12'	102742	MODERA RIVERHOUSE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2194	25° 48'	80° 11'	102633	WALMART STORE 4304-00	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2195	25° 48'	80° 11'	102633	WALMART STORE 4304-00	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2196	25° 48'	80° 11'	102633	WALMART STORE 4304-00	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2197	25° 48'	80° 11'	102633	WALMART STORE 4304-00	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2198	25° 48'	80° 11'	102633	WALMART STORE 4304-00	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2199	25° 48'	80° 11'	102633	WALMART STORE 4304-00	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2200	25° 48'	80° 7'	106382	FPL DUCK BANK WR# 8701460	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2201	25° 48'	80° 7'	106382	FPL DUCK BANK WR# 8701460	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2202	25° 52'	80° 10'	103032	ESPLANADE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2203	25° 52'	80° 10'	103032	ESPLANADE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2204	25° 52'	80° 10'	103032	ESPLANADE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2205	25° 47'	80° 8'	106327	SHOMA LENOX AVE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2206	25° 47'	80° 8'	106327	SHOMA LENOX AVE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2207	25° 47'	80° 8'	103277	17TH & WEST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2208	25° 45'	80° 11'	104455	INTERNATIONAL FINANCE BANK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2209	25° 46'	80° 15'	103918	,ANUAL ALVAREZ	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2210	25° 46'	80° 11'	104517	THE EVERGLADES HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2211	25° 46'	80° 11'	104517	THE EVERGLADES HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2212	25° 43'	80° 15'	104518	3677 GRAND AVENUE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2213	25° 44'	80° 15'	104527	R.K. COOPER, INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2214	25° 50'	80° 11'	104529	BARNETT BANK OF SOUTH FLORIDA, N.A.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/2/1900
2215	25° 47'	80° 7'	106348	HOTEL 18	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2216	25° 44'	80° 12'	106416	175 SOUTH BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2217	25° 44'	80° 12'	106416	175 SOUTH BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2218	25° 44'	80° 12'	106416	175 SOUTH BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2219	25° 46'	80° 11'	103654	J. BERRY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2220	25° 54'	80° 9'	103655	MORTON ADLER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2221	25° 51'	80° 16'	103656	SANTOY COPR	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2222	25° 50'	80° 7'	103657	S. MATUSOW	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2223	25° 46'	80° 13'	103658	REX FOXZA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2224	25° 52'	80° 6'	103659	J. KARASNY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2225	25° 53'	80° 12'	103725	EDMUND J. KICINSKI	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
2226	25° 45'	80° 12'	105053	TRU HOTEL BY HILTON BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2227	25° 45'	80° 12'	105053	TRU HOTEL BY HILTON BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2228	25° 47'	80° 8'	104280	SHERMAN BAURIND	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2229	25° 45'	80° 13'	104282	GEPRGE GARCIA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2230	25° 46'	80° 13'	104283	IRA REAMER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2231	25° 50'	80° 10'	103309	MIAMI CITY SELF STORAGE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2232	25° 46'	80° 8'	106575	FLORIDIAN PARKING	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2233	25° 46'	80° 8'	106575	FLORIDIAN PARKING	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2234	25° 43'	80° 14'	105176	THE HARBOUR - COCONUT GROVE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2235	25° 43'	80° 14'	105176	THE HARBOUR - COCONUT GROVE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2236	25° 43'	80° 14'	105176	THE HARBOUR - COCONUT GROVE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2237	25° 43'	80° 14'	105176	THE HARBOUR - COCONUT GROVE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2238	25° 43'	80° 13'	105176	THE HARBOUR - COCONUT GROVE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2239	25° 45'	80° 12'	105980	KLA ACADEMY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2240	25° 45'	80° 12'	105980	KLA ACADEMY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2241	25° 46'	80° 11'	106121	X BISCAYNE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2242	25° 51'	80° 7'	102989	L'ATELIER CONDOMINIUMS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2243	25° 47'	80° 11'	106178	I-395 RECONSTRUCTION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2244	25° 47'	80° 11'	106178	I-395 RECONSTRUCTION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2245	25° 47'	80° 11'	106178	I-395 RECONSTRUCTION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2246	25° 49'	80° 13'	104060	SHELL OIL COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2247	25° 48'	80° 13'	106425	MOZAICO TOWER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2248	25° 48'	80° 13'	106425	MOZAICO TOWER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2249	25° 48'	80° 13'	106425	MOZAICO TOWER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2250	25° 46'	80° 11'	103434	CITY OF MIAMI, DEPARTMENT OF PARKS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2251	25° 43'	80° 15'	105440	MERRICK PARK HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2252	25° 43'	80° 15'	105440	MERRICK PARK HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2253	25° 48'	80° 12'	106409	DORSEY WYNWOOD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2254	25° 48'	80° 12'	106409	DORSEY WYNWOOD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2255	25° 48'	80° 12'	106409	DORSEY WYNWOOD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2256	25° 48'	80° 12'	106409	DORSEY WYNWOOD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2257	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2258	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2259	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2260	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2261	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2262	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2263	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2264	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2265	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2266	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2267	25° 51'	80° 10'	104269	DR. EDWARDS A JOSEPH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2268	25° 50'	80° 7'	104270	MR. MILLOWAY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2269	25° 45'	80° 11'	104271	L. VERDAGO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2270	25° 45'	80° 14'	104538	CABALLERO FUNERAL HOMES INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2271	25° 46'	80° 14'	104539	CARIBBEAN	FDEP	Class V Non-ASR	-	0.0	0	Biscayne	1/1/1970
2272	25° 41'	80° 17'	104020	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2273	25° 43'	80° 19'	104021	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0.0	0	Biscayne	1/1/1970
2274	25° 47'	80° 8'	103001	800 LINCOLN	FDEP	Class V Non-ASR	-	0.0	0	Biscayne	1/1/1970
2275	25° 48'	80° 7'	103320	FOUNTAINEBLEAU HTL	FDEP	Class V Non-ASR	-	0.00	0	Biscayne	1/1/1970
2276	25° 48'	80° 7'	103320	FOUNTAINEBLEAU HTL	FDEP	Class V Non-ASR	-	0.0	0	Biscayne	1/1/1970
2277	25° 48'	80° 7'	103320	FOUNTAINEBLEAU HTL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2278	25° 48'	80° 7'	103320	FOUNTAINEBLEAU HTL	FDEP	Class V Non-ASR	-	0.0	0	Biscayne	1/1/1970
2279	25° 43'	80° 15'	104682	YAHYA KOITA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2280	25° 45'	80° 11'	103337	INTERECONTINENTAL BANK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2281	25° 45'	80° 11'	103337	INTERECONTINENTAL BANK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2282	25° 51'	80° 7'	103338	KOUT, SUZANNE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2283	25° 46'	80° 7'	103340	MICHIGAN INC., 750	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2284	25° 48'	80° 7'	103341	DIRK ENGELS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2285	25° 46'	80° 11'	103342	ARGEN FLORIDA CORP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2286	25° 46'	80° 10'	103347	ROSA ROK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2287	25° 49'	80° 16'	104293	V. CABRERA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2288	25° 43'	80° 14'	104295	NICHOLAS G. POLIZZI	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2289	25° 43'	80° 17'	104297	SIMON CAMACHO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2290	25° 53'	80° 9'	104298	D.M. CAPPS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2291	25° 40'	80° 16'	104300	JACK AUGUST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2292	25° 43'	80° 15'	104302	RICHARD PEACOCK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2293	25° 41'	80° 17'	104303	NUETON MIFFORD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2294	25° 45'	80° 15'	104304	NUBISAN INVESTMENT CORP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2295	25° 47'	80° 15'	104305	HOLIDAY INN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2296	25° 46'	80° 11'	104307	PAVERINI-GERRITS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2297	25° 44'	80° 14'	104308	HENRY J. MOJER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2298	25° 46'	80° 13'	104310	SANTEIRO MENDOZA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2299	25° 49'	80° 7'	104600	FONTAINEBLEAU HILTON HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2300	25° 44'	80° 13'	103296	THE SURF CONDOMINIUM-J. VALLS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2301	25° 46'	80° 11'	103297	OCEAN VILLAGE, INC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2302	25° 44'	80° 13'	103298	OCEAN VILLAGE INC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2303	25° 44'	80° 13'	103298	OCEAN VILLAGE INC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2304	25° 44'	80° 13'	103298	OCEAN VILLAGE INC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2305	25° 44'	80° 13'	103298	OCEAN VILLAGE INC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2306	25° 47'	80° 14'	104379	GARY L. DONN - FDOT-SR9/NORTHWEST 27TH AVE.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2307	25° 50'	80° 14'	104380	PAUL FREAS - DOMESTIC WASTE DISPOSAL WELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2308	25° 48'	80° 12'	104493	E & E REALTY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2309	25° 52'	80° 15'	104494	E. F. MORGAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2310	25° 53'	80° 12'	104496	HOWELL CHITWOOD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2311	25° 51'	80° 10'	104498	GUS AUGUST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2312	25° 46'	80° 8'	104866	601-685 WASHINGTON AVE.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2313	25° 44'	80° 13'	103322	CONTINENTAL PLAZA OFFICE BLDG	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2314	25° 46'	80° 11'	106453	DOWNTOWN 5TH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
2315	25° 46'	80° 11'	106453	DOWNTOWN 5TH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2316	25° 43'	80° 14'	104390	MR. HOWARD SCHARLIN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2317	25° 43'	80° 14'	104390	MR. HOWARD SCHARLIN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2318	25° 43'	80° 14'	104390	MR. HOWARD SCHARLIN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2319	25° 48'	80° 11'	106497	WYNWOOD 28	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2320	25° 48'	80° 11'	106498	WYNWOOD 27	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2321	25° 50'	80° 7'	106500	DIXON RESIDENCE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2322	25° 47'	80° 8'	102772	SUNSET ISLANDS III & IV	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2323	25° 47'	80° 8'	102772	SUNSET ISLANDS III & IV	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2324	25° 43'	80° 15'	104648	EDMUND A. AND LOIS C. RYDER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2325	25° 47'	80° 7'	106244	STARWOOD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2326	25° 47'	80° 7'	106244	STARWOOD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2327	25° 47'	80° 7'	106244	STARWOOD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2328	25° 48'	80° 11'	102696	TRIPTYCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2329	25° 48'	80° 11'	102696	TRIPTYCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2330	25° 48'	80° 11'	102696	TRIPTYCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2331	25° 48'	80° 11'	102696	TRIPTYCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2332	25° 48'	80° 11'	102696	TRIPTYCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2333	25° 48'	80° 11'	102696	TRIPTYCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2334	25° 48'	80° 11'	102696	TRIPTYCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2335	25°	48° 80'	102834	215 NE 33 ST	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2336	25° 48'	80° 18'	103939	FRANCISCA ALMEIDA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2337	25° 41'	80° 17'	103940	NEUTON MULFORD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2338	25° 46'	80° 16'	103941	FRED CASTRO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2339	25° 51'	80° 8'	103945	JOYCE JACOBSON SWERDLOW	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2340	25° 45'	80° 12'	103946	JAMES B. GORDON	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2341	25° 48'	80° 8'	102815	M-4000 ALTON OWNER LLC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2342	25° 48'	80° 8'	102815	M-4000 ALTON OWNER LLC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2343	25° 48'	80° 8'	102815	M-4000 ALTON OWNER LLC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2344	25° 48'	80° 7'	106079	GREATER MIAMI HEBREW ACADEMY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2345	25° 48'	80° 11'	106080	111 WYNWOOD HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2346	25° 46'	80° 11'	106081	SOLESTE GRAND CENTRAL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2347	25° 44'	80° 14'	106087	FLANIGAN'S 2970 COCONUT GROVE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2348	25° 46'	80° 12'	106258	NEW 3 STORY MULTIFAMILY CONSTRUCTION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2349	25° 47'	80° 12'	106360	HIGHLANDS PROFESSIONAL BUILDING	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2350	25°	51° 80'	106400	GOLDEN MILES SHOPPES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2351	25°	47° 80'	106277	WYNWOOD SQUARE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2352	25°	47° 80'	106277	WYNWOOD SQUARE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2353	25° 48'	80° 13'	104058	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2354	25° 52'	80° 14'	104059	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2355	25° 49'	80° 7'	103324	DIAZ, JOSE RAMON	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2356	25° 48'	80° 7'	103328	%HENRY ZABIELINSKY RESIDENCE%	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2357	25° 49'	80° 7'	103330	MC CALLION RESIDENCE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2358	25° 49'	80° 7'	103331	FRIEDBERG RESIDENCE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2359	25° 51'	80° 8'	103332	WOLKOFF RESIDENCE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2360	25° 47'	80° 7'	103334	JOSE L. GOMEZ, P.E.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2361	25° 46'	80° 11'	103335	CITY OF MIAMI CONVENTION CENTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2362	25° 48'	80° 8'	103336	FOOSE, BENJAMIN M., JR	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2363	25° 51'	80° 10'	103610	NELACAR COPR	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2364	25° 46'	80° 11'	103612	B. FREEMAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2365	25° 48'	80° 7'	103613	ROBERT COHEN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2366	25° 53'	80° 10'	103614	E. ROSELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2367	25° 50'	80° 10'	103615	EDWARD CRAMER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2368	25° 41'	80° 9'	103617	FRANKLIN D. BAKER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2369	25° 41'	80° 9'	103617	FRANKLIN D. BAKER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2370	25° 54'	80° 9'	103620	G. CRESPO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2371	25° 46'	80° 14'	104037	SHELL OIL COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2372	25° 48'	80° 11'	104038	SHELL OIL COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2373	25° 52'	80° 14'	104039	SHELL OIL COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2374	25° 41'	80° 18'	104042	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2375	25° 48'	80° 12'	104044	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2376	25° 48'	80° 17'	104045	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2377	25° 46'	80° 17'	104046	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2378	25° 49'	80° 11'	105416	BUENA VISTA VILLAS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2379	25° 46'	80° 9'	105948	SFCT CARGO YARD DENSIFICATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2380	25° 46'	80° 9'	105948	SFCT CARGO YARD DENSIFICATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2381	25° 46'	80° 9'	105948	SFCT CARGO YARD DENSIFICATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2382	25° 46'	80° 9'	105948	SFCT CARGO YARD DENSIFICATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2383	25° 46'	80° 9'	105948	SFCT CARGO YARD DENSIFICATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2384	25° 46'	80° 9'	105948	SFCT CARGO YARD DENSIFICATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2385	25° 46'	80° 8'	105948	SFCT CARGO YARD DENSIFICATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2386	25° 46'	80° 9'	105948	SFCT CARGO YARD DENSIFICATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2387	25° 46'	80° 9'	105948	SFCT CARGO YARD DENSIFICATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2388	25° 46'	80° 9'	105948	SFCT CARGO YARD DENSIFICATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2389	25° 46'	80° 9'	105948	SFCT CARGO YARD DENSIFICATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2390	25° 46'	80° 9'	105948	SFCT CARGO YARD DENSIFICATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2391	25° 46'	80° 8'	105948	SFCT CARGO YARD DENSIFICATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2392	25° 46'	80° 9'	105948	SFCT CARGO YARD DENSIFICATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2393	25° 50'	80° 6'	103343	CARILLION HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2394	25° 49'	80° 7'	103344	OLIVER HOUSE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2395	25° 43'	80° 15'	103346	GARFIELD TREISTER PROP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2396	25° 45'	80° 11'	104404	RICARDO MONTERO - DATAPRO, INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2397	25° 46'	80° 8'	104405	NORMAN GILLER - MOSAIC JEWISH MUSEUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2398	25° 47'	80° 8'	104406	NUJIM NEPOMECHIE - TROPICO APTS.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2399	25° 52'	80° 7'	104407	GARY L. DONN - DOT #87060-3555/88TH TO 94TH ST.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2400	25° 53'	80° 9'	103559	AL SCHOEN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2401	25° 43'	80° 16'	103992	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2402	25° 46'	80° 14'	103994	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2403	25° 51'	80° 7'	103997	SHEILL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
2404	25° 48'	80° 11'	103998	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2405	25° 41'	80° 14'	103999	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2406	25° 43'	80° 14'	104000	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2407	25° 45'	80° 12'	104002	SHELL OIL COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2408	25° 47'	80° 7'	105229	RALEIGH HOTEL, THE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2409	25° 45'	80° 11'	102385	BROADSTONE AT BRICKELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2410	25° 48'	80° 7'	105128	FOUR POINT SHERATON	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2411	25° 53'	80° 7'	105325	NEW TOWNHOUSE DEVELOPMENT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2412	25° 47'	80° 7'	103427	CASABLANCA HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2413	25° 47'	80° 9'	103429	DI LIDO ISLAND	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2414	25° 46'	80° 8'	103430	MARTHA TARAFA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2415	25° 43'	80° 14'	103431	W-L ROLAND GROVE ASSOCIATES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2416	25° 43'	80° 14'	103431	W-L ROLAND GROVE ASSOCIATES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2417	25° 43'	80° 14'	103431	W-L ROLAND GROVE ASSOCIATES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2418	25° 43'	80° 14'	103431	W-L ROLAND GROVE ASSOCIATES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2419	25° 43'	80° 14'	103431	W-L ROLAND GROVE ASSOCIATES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2420	25° 46'	80° 10'	104421	PORT OF MIAMI- DODGE ISLAND	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2421	25° 42'	80° 17'	104422	UNIV. OF MIAMI WELLNESS CENTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2422	25° 51'	80° 8'	103474	NORMAN GOLDBERG	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2423	25° 50'	80° 7'	103475	A.L. LIEBER RESIDENCE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2424	25° 49'	80° 7'	103478	SPIEGEL, SHELDON/LINDA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2425	25° 50'	80° 7'	104317	ROBERT FISHER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2426	25° 41'	80° 9'	104320	KEY DEVELOPEMENT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2427	25° 45'	80° 11'	104321	FEDERAL DEVELOPEMENT CORP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2428	25° 54'	80° 11'	104324	FUTURA VILLAS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2429	25° 47'	80° 8'	104327	SERAFIN LARA BONILLA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2430	25° 40'	80° 19'	104328	RALHP SHERE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2431	25° 43'	80° 19'	104330	PAUL ROSEN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2432	25° 51'	80° 7'	104336	JACK M. GATTEGNO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2433	25° 55'	80° 9'	104340	CITY OF MIAMI BEACH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2434	25° 46'	80° 12'	104344	RIO CRISTAL CONDO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2435	25° 53'	80° 7'	104386	YAIR OREN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2436	25° 45'	80° 11'	104387	ROBERT HABER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2437	25° 45'	80° 11'	104387	ROBERT HABER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2438	25° 50'	80° 8'	104388	MR. GEORGE BARR	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2439	25° 42'	80° 16'	105099	PASEO DE LA RIVIERA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2440	25° 45'	80° 8'	103318	ISLAND DELVELOPERS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2441	25° 45'	80° 8'	103318	ISLAND DELVELOPERS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2442	25° 45'	80° 8'	103318	ISLAND DELVELOPERS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2443	25° 45'	80° 8'	103318	ISLAND DELVELOPERS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2444	25° 46'	80° 8'	103348	RICHARD FOX	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2445	25° 48'	80° 8'	103349	DANIEL RITTER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2446	25° 48'	80° 7'	103350	MORTON J. PERLIN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2447	25° 43'	80° 14'	103351	MAYFAIR IN THE GROVE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2448	25° 51	80° 8'	103352	KANTULE TRADING COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2449	25° 49'	80° 18'	103353	WEST FLAGER BRANCH LIBRARY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2450	25° 47'	80° 8'	103355	KOPEL FRIEDMAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2451	25° 49'	80° 7'	103356	GILBERT SENS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2452	25° 47'	80° 11'	103357	FLORIDA EAST COAST PROPERTIES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2453	25° 46'	80° 13'	103358	LULAV APARTMENTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2454	25° 46'	80° 13'	103358	LULAV APARTMENTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2455	25° 46'	80° 13'	103358	LULAV APARTMENTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2456	25° 46'	80° 8'	103360	MIAMI BEACH TOWNHOUSES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2457	25° 46'	80° 9'	103361	HERBERT J. KAY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2458	25° 47'	80° 9'	103362	NORMAN N. HERMAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2459	25° 51'	80° 16'	103363	PAUL A. WHITEBROOK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2460	25° 44'	80° 15'	106560	THE PLAZA CORAL GABLES-SOUTH PARCEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2461	25° 44'	80° 15'	106560	THE PLAZA CORAL GABLES-SOUTH PARCEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2462	25° 44'	80° 15'	106560	THE PLAZA CORAL GABLES-SOUTH PARCEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2463	25° 44'	80° 15'	106560	THE PLAZA CORAL GABLES-SOUTH PARCEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2464	25° 47'	80° 7'	103422	DEAVILLE HOTEL WELLS (1 &2)	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2465	25° 47'	80° 7'	103422	DEAVILLE HOTEL WELLS (1 &2)	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2466	25° 46'	80° 7'	103423	GEORGIAN INC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2467	25° 48'	80° 11'	103424	MARTIN H. FEINMAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2468	25° 47'	80° 7'	103425	GOLDSMIDT, MOISES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2469	25° 46'	80° 8'	103778	CONVENT OF MARY REPARATRIX	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2470	25° 46'	80° 8'	103290	CITY OF MIAMI BEACH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2471	25° 44'	80° 12'	103291	MAXWELL GROSS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2472	25° 44'	80° 13'	103292	S.L.C. CONDIMINIUM LTD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2473	25° 44'	80° 13'	103292	S.L.C. CONDIMINIUM LTD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2474	25° 44'	80° 12'	103293	HABIF MORENO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2475	25° 45'	80° 10'	103295	MARRIOT HOTEL PLAZA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2476	25° 46'	80° 16'	104022	SHELL OIL PRODUCTS COMP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2477	25° 44'	80° 18'	104023	SHELL OIL PRODUCTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2478	25° 50'	80° 12'	104024	SHELL OIL PRODUCTS COMP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2479	25° 46'	80° 19'	104025	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2480	25° 45'	80° 20'	104028	SHELL OIL PRODUCTS COMP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2481	25° 46'	80° 13'	104032	SHELL OIL PRODUCTS COMP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2482	25° 46'	80° 8'	104034	SHELL OIL PRODUCTS COMP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2483	25° 44'	80° 18'	104230	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	4/7/1995
2484	25° 49'	80° 12'	104231	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2485	25° 46'	80° 8'	106308	224 2ND STREET	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2486	25° 48'	80° 11'	106241	CERVECERIA LA TROPICAL USA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2487	25° 54'	80° 12'	104235	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2488	25° 45'	80° 11'	104425	S.E. 15 ROAD STORM SEWER RELOCATION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2489	25° 48'	80° 12'	104426	FDOT-SR 25/36TH STREET	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2490	25° 44'	80° 9'	104427	102ND FORCE MAIN AT VIRGINIA KEY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2491	25° 44'	80° 15'	104428	GABLES APT. BLDG.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2492	25° 43'	80° 14'	104429	AMNESIA INTERNATIONAL, INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
2493	25° 47'	80° 7'	102847	COLLINS PARK HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2494	25° 47'	80° 7'	102847	COLLINS PARK HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2495	25° 39'	80° 16'	102421	GULLIVER ACADEMY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2496	25° 46'	80° 10'	103377	US COURTHOUSE WELLS #1-3	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2497	25° 51'	80° 6'	103378	STERLING HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2498	25° 46'	80° 11'	103379	MARK A ENENBACH-JEFFERSON STORES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2499	25° 47'	80° 9'	103380	NORMAN HERMAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2500	25° 46'	80° 8'	103381	JAY HARVEY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2501	25° 44'	80° 12'	103383	CHARTER MORTGAGE COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2502	25° 48'	80° 7'	103384	RIVERIERA CONDOMINIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2503	25° 45'	80° 12'	105001	ZUMBA FITNESS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2504	25° 46'	80° 7'	104430	10TH ST. & WASHINGTON AVE.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2505	25° 44'	80° 15'	102795	SEVILLA OFFICE BUILDING	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2506	25° 42'	80° 15'	103306	CABLES INTERNATIONAL PLAZA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2507	25° 45'	80° 11'	103307	M.G. INVESTMENT COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2508	25° 43'	80° 16'	103308	ROBINSON, THOMAS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2509	25° 43'	80° 16'	103531	GEORGE METCALF	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2510	25° 45'	80° 16'	103532	H.A. LUBS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2511	25° 44'	80° 15'	103533	FIRST UNTIDE METHODIST CHURCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2512	25° 49'	80° 16'	104226	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2513	25° 41'	80° 9'	104227	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2514	25° 47'	80° 14'	104435	FDOT-SR9 / NW 27TH AVENUE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2515	25° 51'	80° 8'	104543	E. RICHARD ALHADEFF	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2516	25° 43'	80° 15'	104664	DR. H.W. VIRGIN JR.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2517	25° 43'	80° 15'	104664	DR. H.W. VIRGIN JR.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2518	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2519	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2520	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2521	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2522	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2523	25° 48'	80° 8'	103398	JAN MILANTIA	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2524	25° 46'	80° 8'	103401	DE LIDO HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2525	25° 47'	80° 7'	103402	DELANO HOTEL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2526	25° 51'	80° 8'	103403	ALHADEFF, E. RICHARD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2527	25° 49'	80° 8'	103405	WHITAKER, PHILLIP E, JR.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2528	25° 42'	80° 17'	103406	CORAL RIDGE CONSTRUCTION	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2529	25° 47'	80° 8'	103407	WEST BAY GARDENS CONDOMINIUM	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2530	25° 45'	80° 12'	103408	HIALEAH ASSOCIATES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2531	25° 46'	80° 8'	103409	821 EUCLID CORP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2532	25° 50'	80° 7'	103410	ALVAREZ, JOSEFINA/EMILIO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2533	25° 46'	80° 11'	103411	METROPOLITAN DADE CO. CULTURAL CENTER WELLS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2534	25° 46'	80° 11'	103411	METROPOLITAN DADE CO. CULTURAL CENTER WELLS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2535	25° 46'	80° 11'	103411	METROPOLITAN DADE CO. CULTURAL CENTER WELLS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2536	25° 50'	80° 7'	103412	GROSSMAN, MARTIN B.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2537	25° 46'	80° 7'	103413	PADOVA S.A.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2538	25° 50'	80° 11'	103415	FIRST STATE BANK OF MIAMI	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2539	25° 48'	80° 11'	103417	RICH CHRIS CORP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2540	25° 45'	80° 11'	103418	CITY OF MIAMI INTERNATIONAL CENTER WELL (1-3)	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2541	25° 45'	80° 11'	103418	CITY OF MIAMI INTERNATIONAL CENTER WELL (1-3)	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2542	25° 45'	80° 11'	103418	CITY OF MIAMI INTERNATIONAL CENTER WELL (1-3)	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2543	25° 48'	80° 8'	103419	MADISON GRANDE WELL (1-3)	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2544	25° 48'	80° 8'	103419	MADISON GRANDE WELL (1-3)	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2545	25° 48'	80° 8'	103419	MADISON GRANDE WELL (1-3)	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2546	25° 47'	80° 14'	102720	CURTIS PARK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2547	25° 46'	80° 11'	103061	MIAMI WORLD CENTER BLOCK G - 7TH STREET APTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2548	25° 48'	80° 15'	103506	GENERAL HYDRAULICS CORP. OF FLORIDA, INC.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2549	25° 48'	80° 8'	103507	VILLAMAR, HECTOR	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2550	25° 42'	80° 15'	103739	MARK KING LEBAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2551	25° 42'	80° 15'	103740	W.W. LYNCH	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2552	25° 48'	80° 8'	103741	DAVID V. MCCLELLAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2553	25° 42'	80° 15'	103743	EDWIN MORRIS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2554	25° 53'	80° 12'	104253	E. ROSELL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2555	25° 51'	80° 17'	104254	E. BEHAR	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2556	25° 49'	80° 12'	104255	ROBERT CAO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2557	25° 53'	80° 14'	104259	LBJ # 2 INVERSIONES, LER S.A.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2558	25° 53'	80° 14'	104262	JACK AXELROD	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2559	25° 45'	80° 12'	104263	BETAN COURT	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2560	25° 41'	80° 15'	103646	JOAN WEINER	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2561	25° 50'	80° 14'	103979	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2562	25° 47'	80° 13'	103980	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2563	25° 47'	80° 12'	103982	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2564	25° 49'	80° 8'	104361	S. WISE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2565	25° 44'	80° 14'	104363	SERENDIPITY OF GROVE, INC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2566	25° 42'	80° 15'	104627	LEE M. NEIDLINGER	FDEP	Class V Non-ASR	-	0	40	Biscayne	1/1/1960
2567	25° 46'	80° 8'	106572	500 ALTON PARK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2568	25° 46'	80° 8'	106572	500 ALTON PARK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2569	25° 46'	80° 8'	106572	500 ALTON PARK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2570	25° 46'	80° 8'	106572	500 ALTON PARK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2571	25° 46'	80° 8'	106572	500 ALTON PARK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2572	25° 46'	80° 8'	106572	500 ALTON PARK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2573	25° 46'	80° 8'	106572	500 ALTON PARK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2574	25° 46'	80° 8'	106572	500 ALTON PARK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2575	25° 46'	80° 8'	106572	500 ALTON PARK	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2576	25° 53'	80° 12'	103310	MAZAL INVESTMENTS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2577	25° 44'	80° 13'	103313	CAP BON INVESTMENT N.V.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2578	25° 44'	80° 13'	103314	FLORENCE ROBBINS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2579	25° 53'	80° 11'	104631	CITY OF NORTH MIAMI MUNICIPAL SWIMMING POOLS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2580	25° 53'	80° 11'	104631	CITY OF NORTH MIAMI MUNICIPAL SWIMMING POOLS	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2581	25° 50'	80° 10'	103164	BEL AIR CREST LLC	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
2582	25° 48'	80° 11'	106344	CARE RESOURCES	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2583	25° 47'	80° 8'	103213	MONAD TERRACE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2584	25° 47'	80° 8'	103213	MONAD TERRACE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2585	25° 50'	80° 10'	103680	JOHN VEREEN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2586	25° 54'	80° 11'	103681	J. RESTOY, PRES, SANTOY CORP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2587	25° 46'	80° 13'	103682	MR. SANCHEZ	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2588	25° 47'	80° 13'	103683	UNIVERSITY OF MIAMI-BASCOM PALMER EYE INSTITUTE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2589	25° 47'	80° 13'	103683	UNIVERSITY OF MIAMI-BASCOM PALMER EYE INSTITUTE	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2590	25° 41'	80° 18'	104487	RALPH PROVSERO	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2591	25° 53'	80° 7'	104488	BEN OKUN, PRES. B & J HOLDING CORP.	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2592	25° 46'	80° 9'	104490	JOSEPH H. KAPLAN	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2593	25° 55'	80° 9'	105498	PEOPLES GAS SYSTEM A DIVISION OF TAMPA ELECTRIC COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2594	25° 55'	80° 9'	105498	PEOPLES GAS SYSTEM A DIVISION OF TAMPA ELECTRIC COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2595	25° 47'	80° 13'	106491	MODERA SKYLAR	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2596	25° 47'	80° 13'	106491	MODERA SKYLAR	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2597	25° 51'	80° 12'	104047	SHELL OIL PRODUCTS COMP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2598	25° 47'	80° 19'	104048	SHELL OIL PRODUCTS COMP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2599	25° 51'	80° 11'	104049	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2600	25° 44'	80° 20'	104050	SHELL OIL PRODUCTS COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2601	25° 50'	80° 9'	104052	SHELL OIL PRODUCTS COMAPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2602	25° 48'	80° 18'	104053	SHELL OIL COMPANY	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2603	25° 46'	80° 18'	104055	SHELL OIL PRODUCTS COMP	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2604	25° 46'	80° 10'	106285	POM SEABOARD MARINE TERMINAL	FDEP	Class V Non-ASR	-	0	0	Biscayne	1/1/1970
2605	25° 53'	80° 9'	100783	BAYVIEW TOWER AKA DOME CONDOMINIUM	FDEP	Class V Non-ASR	-	8	8	Biscayne	7/2/2012
2606	25° 53'	80° 9'	100783	BAYVIEW TOWER AKA DOME CONDOMINIUM	FDEP	Class V Non-ASR	-	8	8	Biscayne	7/2/2012
2607	25° 50'	80° 17'	61420	MACK, SAMUEL	FDEP	Class V Non-ASR	-	9	6	Biscayne	7/18/1984
2608	25° 50'	80° 17'	62797	POST INN	FDEP	Class V Non-ASR	-	9	6	Biscayne	10/29/1984
2609	25° 48'	80° 7'	63890	KNITTING NOOK	FDEP	Class V Non-ASR	-	9	7	Biscayne	9/6/1984
2610	25° 43'	80° 14'	60206	GROVE AT GRAND BAY CONDOMINIUMS	FDEP	Class V Non-ASR	-	10	72	Biscayne	7/27/2013
2611	25° 51'	80° 11'	61027	CRAVERO CONSTRUCTION	FDEP	Class V Non-ASR	-	10	9	Biscayne	8/24/1984
2612	25° 45'	80° 15'	57443	MIRACLE CENTER	FDEP	Class V Non-ASR	-	11	96	Biscayne	12/11/1987
2613	25° 42'	80° 17'	60716	AUERBACH, BETH WEBER	FDEP	Class V Non-ASR	-	11	19	Biscayne	8/8/1984
2614	25° 47'	80° 11'	61449	SEARS, ROEBUCK & COMPANY	FDEP	Class V Non-ASR	-	12	11	Biscayne	7/19/1984
2615	25° 45'	80° 12'	60804	WHITENER, C. H.	FDEP	Class V Non-ASR	-	12	12	Biscayne	8/16/1984
2616	25° 43'	80° 16'	83629	UNIVERSITY OF MIAMI	FDEP	Class V Non-ASR	-	12	12	Biscayne	7/14/1999
2617	25° 43'	80° 14'	61157	DEPT OF WATER & SEWERS	FDEP	Class V Non-ASR	-	13	9	Biscayne	9/4/1984
2618	25° 48'	80° 16'	62052	DUBREUIL, GEORGE	FDEP	Class V Non-ASR	-	13	11	Biscayne	11/16/1984
2619	25° 48'	80° 17'	62071	SCHULZ, GEORGE	FDEP	Class V Non-ASR	-	13	11	Biscayne	11/16/1984
2620	25° 46'	80° 15'	61587	STANDARD CASUALTY	FDEP	Class V Non-ASR	-	13	11	Biscayne	7/23/1984
2621	25° 50'	80° 18'	63288	CAVALIER, JOHN A.	FDEP	Class V Non-ASR	-	13	11	Biscayne	1/14/1985
2622	25° 54'	80° 11'	62130	GRABLE'S BAKERY	FDEP	Class V Non-ASR	-	14	0	Biscayne	9/19/1984
2623	25° 46'	80° 11'	61572	SPUR, INC.	FDEP	Class V Non-ASR	-	14	12	Biscayne	7/20/1984
2624	25° 42'	80° 15'	61627	JENKINS, SUE	FDEP	Class V Non-ASR	-	14	11	Biscayne	7/23/1984
2625	25° 51'	80° 11'	64262	MIAMI SHORES COMMUNIITY CHURCH	FDEP	Class V Non-ASR	-	14	12	Biscayne	10/23/1984
2626	25° 46'	80° 12'	62777	PICHARD PAINT & GLASS	FDEP	Class V Non-ASR	-	14	14	Biscayne	10/26/1984
2627	25° 43'	80° 19'	63713	NEWMAN, JEROME	FDEP	Class V Non-ASR	-	14	12	Biscayne	7/31/1984
2628	25° 43'	80° 20'	63714	NEWMAN, JEROME	FDEP	Class V Non-ASR	-	14	12	Biscayne	7/31/1984
2629	25° 42'	80° 17'	63083	ROBINS DEPARTMENT STORE	FDEP	Class V Non-ASR	-	14	12	Biscayne	11/28/1984
2630	25° 50'	80° 18'	63965	JOHNSON, LEE P. CONSTRUCTION	FDEP	Class V Non-ASR	-	14	11	Biscayne	9/25/1984
2631	25° 50'	80° 18'	63965	JOHNSON, LEE P. CONSTRUCTION	FDEP	Class V Non-ASR	-	14	11	Biscayne	9/25/1984
2632	25° 50'	80° 18'	63150	LA BAW, JEROME E.	FDEP	Class V Non-ASR	-	14	12	Biscayne	12/28/1984
2633	25° 49'	80° 16'	63157	LUTHERAN SERV. FOR THE ELD., INC.	FDEP	Class V Non-ASR	-	14	6	Biscayne	12/28/1984
2634	25° 40'	80° 17'	63290	COHAN, NORMAN H.	FDEP	Class V Non-ASR	-	14	12	Biscayne	1/14/1985
2635	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	15	78	Biscayne	10/17/2013
2636	25° 43'	80° 14'	60949	CITY OF MIAMI WATER&SEWERS	FDEP	Class V Non-ASR	-	15	11	Biscayne	8/23/1984
2637	25° 48'	80° 15'	62666	BAUR, R. H.	FDEP	Class V Non-ASR	-	15	11	Biscayne	10/30/1984
2638	25° 54'	80° 9'	61914	WEBB CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	15	0	Biscayne	8/8/1984
2639	25° 48'	80° 15'	61164	DFG REALTY, INC.	FDEP	Class V Non-ASR	-	15	13	Biscayne	9/4/1984
2640	25° 49'	80° 12'	60577	HOLT, ARNOLD E.	FDEP	Class V Non-ASR	-	15	15	Biscayne	8/1/1984
2641	25° 52'	80° 11'	61298	CHANDLER, E. W.	FDEP	Class V Non-ASR	-	15	13	Biscayne	9/10/1984
2642	25° 46'	80° 15'	61336	ROBBINS, EDWARD	FDEP	Class V Non-ASR	-	15	12	Biscayne	9/11/1984
2643	25° 45'	80° 17'	60638	BABCOCK COMPANY	FDEP	Class V Non-ASR	-	15	15	Biscayne	8/3/1984
2644	25° 45'	80° 15'	59829	TWO-TWENTY ALHAMBRA CIRCLE	FDEP	Class V Non-ASR	-	15	15	Biscayne	1/1/1976
2645	25° 45'	80° 15'	59829	TWO-TWENTY ALHAMBRA CIRCLE	FDEP	Class V Non-ASR	-	15	15	Biscayne	1/1/1976
2646	25° 45'	80° 15'	59829	TWO-TWENTY ALHAMBRA CIRCLE	FDEP	Class V Non-ASR	-	15	15	Biscayne	1/1/1976
2647	25° 38'	80° 17'	60708	BEACH, BERTRAN	FDEP	Class V Non-ASR	-	15	13	Biscayne	8/8/1984
2648	25° 43'	80° 19'	61507	WEINSTEIN, SIMON	FDEP	Class V Non-ASR	-	15	12	Biscayne	7/20/1984
2649	25° 49'	80° 14'	62363	EMANUEL BAPTIST CHURCH	FDEP	Class V Non-ASR	-	15	13	Biscayne	9/21/1984
2650	25° 39'	80° 18'	64159	MARK 111 CORPORATION	FDEP	Class V Non-ASR	-	15	12	Biscayne	10/11/1984
2651	25° 46'	80° 11'	63466	HOT. EVERGLDS BEAUTY	FDEP	Class V Non-ASR	-	15	0	Biscayne	7/6/1984
2652	25° 42'	80° 16'	62677	HEBSON, R. L.	FDEP	Class V Non-ASR	-	15	0	Biscayne	10/30/1984
2653	25° 54'	80° 10'	63580	J. K. REALTY	FDEP	Class V Non-ASR	-	15	13	Biscayne	7/12/1984
2654	25° 52'	80° 10'	62761	ANDERSON, PETER	FDEP	Class V Non-ASR	-	15	13	Biscayne	10/25/1984
2655	25° 52'	80° 16'	63582	KIRBEY, J.	FDEP	Class V Non-ASR	-	15	12	Biscayne	7/12/1984
2656	25° 44'	80° 16'	63679	JAMES KIRKWOOD, JR.	FDEP	Class V Non-ASR	-	15	13	Biscayne	7/25/1984
2657	25° 53'	80° 11'	62583	PALMER, FRED	FDEP	Class V Non-ASR	-	16	14	Biscayne	10/18/1984
2658	25° 51'	80° 10'	61144	CLAUSEN,DEAN	FDEP	Class V Non-ASR	-	16	14	Biscayne	8/31/1984
2659	25° 46'	80° 11'	60412	AAEAROVIAS BRASIL	FDEP	Class V Non-ASR	-	16	8	Biscayne	7/13/1984
2660	25° 41'	80° 16'	61961	ROSENTHAL, WILLIAM J.	FDEP	Class V Non-ASR	-	16	14	Biscayne	8/10/1984
2661	25° 45'	80° 16'	61967	LABOW, WILLIAM	FDEP	Class V Non-ASR	-	16	13	Biscayne	8/13/1984
2662	25° 46'	80° 12'	60536	ANDREWS INSURANCE	FDEP	Class V Non-ASR	-	16	14	Biscayne	7/30/1984
2663	25° 46'	80° 12'	61250	SAUNDERS, DR. LEWIS	FDEP	Class V Non-ASR	-	16	14	Biscayne	9/6/1984
2664	25° 48'	80° 16'	60590	BURNS, ARTHUR	FDEP	Class V Non-ASR	-	16	14	Biscayne	8/1/1984
2665	25° 47'	80° 13'	62354	ORDEN CABALLERO INC.	FDEP	Class V Non-ASR	-	16	11	Biscayne	11/15/1984
2666	25° 46'	80° 11'	60878	HELMLY, CHARLES	FDEP	Class V Non-ASR	-	16	14	Biscayne	8/20/1984
2667	25° 52'	80° 10'	61668	TEASLEY, T. H.	FDEP	Class V Non-ASR	-	16	15	Biscayne	7/25/1984
2668	25° 48'	80° 15'	61681	TAYLOR CONSTRUCTION	FDEP	Class V Non-ASR	-	16	14	Biscayne	7/25/1984
2669	25° 48'	80° 16'	64271	MIA. TRAVELER'S HOT.	FDEP	Class V Non-ASR	-	16	16	Biscayne	10/23/1984
2670	25° 53'	80° 11'	62815	GOODWILL, R. A.	FDEP	Class V Non-ASR	-	16	14	Biscayne	11/1/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
2671	25° 47'	80° 11'	62906	RED COACH GRILL	FDEP	Class V Non-ASR	-	16	14	Biscayne	11/19/1984
2672	25° 44'	80° 15'	63897	KWEEN KOTTON SHOP	FDEP	Class V Non-ASR	-	16	15	Biscayne	9/6/1984
2673	25° 42'	80° 16'	62649	SALZMAN, GARY	FDEP	Class V Non-ASR	-	17	15	Biscayne	10/24/1984
2674	25° 44'	80° 12'	61147	DEERING PARK CORPORATION	FDEP	Class V Non-ASR	-	17	14	Biscayne	9/4/1984
2675	25° 47'	80° 11'	61166	DICTAPHONE CORP.	FDEP	Class V Non-ASR	-	17	15	Biscayne	9/4/1984
2676	25° 50'	80° 11'	61199	DORSETT HOTEL	FDEP	Class V Non-ASR	-	17	12	Biscayne	9/4/1984
2677	25° 44'	80° 17'	60492	KERMISH, ALEXANDER MD.	FDEP	Class V Non-ASR	-	17	14	Biscayne	7/26/1984
2678	25° 46'	80° 13'	61260	DRUG TOWN	FDEP	Class V Non-ASR	-	17	15	Biscayne	9/6/1984
2679	25° 51'	80° 11'	61271	DYNAMIC REALTY CORPORATION	FDEP	Class V Non-ASR	-	17	14	Biscayne	9/6/1984
2680	25° 44'	80° 15'	61334	REMPE, EDWARD	FDEP	Class V Non-ASR	-	17	14	Biscayne	9/11/1984
2681	25° 53'	80° 11'	60631	RENTFRO, B. L.	FDEP	Class V Non-ASR	-	17	15	Biscayne	8/2/1984
2682	25° 40'	80° 16'	60820	BROZNELL, C. W.	FDEP	Class V Non-ASR	-	17	15	Biscayne	8/16/1984
2683	25° 42'	80° 19'	64154	SIBLEY, MARION E.	FDEP	Class V Non-ASR	-	17	14	Biscayne	10/11/1984
2684	25° 47'	80° 11'	63471	HOUSE AND GARDEN FURN.	FDEP	Class V Non-ASR	-	17	14	Biscayne	7/6/1984
2685	25° 43'	80° 15'	63497	HUSKAMP MOTOR COMPANY	FDEP	Class V Non-ASR	-	17	14	Biscayne	7/9/1984
2686	25° 46'	80° 12'	63011	RIVERSIDE BAPTIST CHURCH	FDEP	Class V Non-ASR	-	17	14	Biscayne	11/26/1984
2687	25° 52'	80° 10'	64008	KLOTZ, LEROY A.	FDEP	Class V Non-ASR	-	17	15	Biscayne	9/26/1984
2688	25° 53'	80° 11'	64077	LUDWIG UNGARO, M.D.	FDEP	Class V Non-ASR	-	17	14	Biscayne	10/4/1984
2689	25° 50'	80° 18'	104291	R. J. GRAULICH	FDEP	Class V Non-ASR	-	17	12	Biscayne	9/1/1971
2690	25° 46'	80° 14'	99531	CITY OF MIAMI NORTHWEST AREA	FDEP	Class V Non-ASR	-	18	18	Biscayne	3/31/2011
2691	25° 46'	80° 14'	99531	CITY OF MIAMI NORTHWEST AREA	FDEP	Class V Non-ASR	-	18	18	Biscayne	3/31/2011
2692	25° 46'	80° 14'	99531	CITY OF MIAMI NORTHWEST AREA	FDEP	Class V Non-ASR	-	18	18	Biscayne	3/31/2011
2693	25° 46'	80° 14'	99531	CITY OF MIAMI NORTHWEST AREA	FDEP	Class V Non-ASR	-	18	18	Biscayne	3/31/2011
2694	25° 46'	80° 14'	99531	CITY OF MIAMI NORTHWEST AREA	FDEP	Class V Non-ASR	-	18	18	Biscayne	3/31/2011
2695	25° 46'	80° 16'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	18	18	Biscayne	7/2/2014
2696	25° 46'	80° 16'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	18	18	Biscayne	7/2/2014
2697	25° 46'	80° 16'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	18	18	Biscayne	8/16/2013
2698	25° 46'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	18	18	Biscayne	7/2/2014
2699	25° 46'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	18	18	Biscayne	7/2/2014
2700	25° 46'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	18	18	Biscayne	7/2/2014
2701	25° 46'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	18	18	Biscayne	7/2/2014
2702	25° 47'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	18	18	Biscayne	8/16/2013
2703	25° 45'	80° 12'	99533	CITY OF MIAMI SOUTHEAST AREA	FDEP	Class V Non-ASR	-	18	18	Biscayne	3/31/2011
2704	25° 45'	80° 12'	99533	CITY OF MIAMI SOUTHEAST AREA	FDEP	Class V Non-ASR	-	18	18	Biscayne	3/31/2011
2705	25° 45'	80° 12'	99533	CITY OF MIAMI SOUTHEAST AREA	FDEP	Class V Non-ASR	-	18	18	Biscayne	3/31/2011
2706	25° 45'	80° 12'	99533	CITY OF MIAMI SOUTHEAST AREA	FDEP	Class V Non-ASR	-	18	18	Biscayne	3/31/2011
2707	25° 45'	80° 12'	99533	CITY OF MIAMI SOUTHEAST AREA	FDEP	Class V Non-ASR	-	18	18	Biscayne	3/31/2011
2708	25° 45'	80° 12'	99533	CITY OF MIAMI SOUTHEAST AREA	FDEP	Class V Non-ASR	-	18	18	Biscayne	3/31/2011
2709	25° 46'	80° 12'	60975	CLOSE BEAUTY SHOP	FDEP	Class V Non-ASR	-	18	15	Biscayne	8/23/1984
2710	25° 46'	80° 11'	61797	URMAY HOTEL	FDEP	Class V Non-ASR	-	18	16	Biscayne	8/2/1984
2711	25° 49'	80° 13'	62620	DEROCHE, G. F.	FDEP	Class V Non-ASR	-	18	15	Biscayne	10/19/1984
2712	25° 47'	80° 12'	61013	EPSTEIN,CORRINE	FDEP	Class V Non-ASR	-	18	16	Biscayne	8/24/1984
2713	25° 47'	80° 11'	61015	COTTAGE INN	FDEP	Class V Non-ASR	-	18	14	Biscayne	8/24/1984
2714	25° 40'	80° 16'	62624	SPEER, G. L.	FDEP	Class V Non-ASR	-	18	14	Biscayne	10/19/1984
2715	25° 52'	80° 10'	62643	GARDEN CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	18	15	Biscayne	10/24/1984
2716	25° 50'	80° 11'	62646	GARNER INSURANCE AGENCY	FDEP	Class V Non-ASR	-	18	16	Biscayne	10/24/1984
2717	25° 45'	80° 15'	61894	HARRIS, WALTER	FDEP	Class V Non-ASR	-	18	16	Biscayne	8/7/1984
2718	25° 48'	80° 14'	61101	FORMICO, DANIEL	FDEP	Class V Non-ASR	-	18	16	Biscayne	8/30/1984
2719	25° 46'	80° 12'	61139	SWARTZ, DAVID	FDEP	Class V Non-ASR	-	18	16	Biscayne	8/31/1984
2720	25° 45'	80° 14'	60417	ABBEY-STAR PHOTO	FDEP	Class V Non-ASR	-	18	17	Biscayne	7/17/1984
2721	25° 40'	80° 16'	61214	ELHERY, DR. M. C.	FDEP	Class V Non-ASR	-	18	0	Biscayne	9/5/1984
2722	25° 41'	80° 19'	62055	DUVALL, GEORGE	FDEP	Class V Non-ASR	-	18	14	Biscayne	11/16/1984
2723	25° 48'	80° 15'	61265	DUNAN'S BRICK YARDS	FDEP	Class V Non-ASR	-	18	15	Biscayne	9/6/1984
2724	25° 47'	80° 11'	61278	EAST COAST RADIO COMPANY	FDEP	Class V Non-ASR	-	18	16	Biscayne	9/6/1984
2725	25° 44'	80° 13'	61284	STEIN, E. H.	FDEP	Class V Non-ASR	-	18	16	Biscayne	9/10/1984
2726	25° 48'	80° 13'	62079	COOK, GEORGE W.	FDEP	Class V Non-ASR	-	18	0	Biscayne	9/18/1984
2727	25° 50'	80° 11'	62158	BAILEY, GUY	FDEP	Class V Non-ASR	-	18	14	Biscayne	9/20/1984
2728	25° 42'	80° 17'	60643	BANK OF SOUTH MIAMI	FDEP	Class V Non-ASR	-	18	16	Biscayne	8/3/1984
2729	25° 45'	80° 12'	62221	FRY, HARRY	FDEP	Class V Non-ASR	-	18	13	Biscayne	9/25/1984
2730	25° 48'	80° 15'	62291	NORDEN KETAY CORPORATION	FDEP	Class V Non-ASR	-	18	15	Biscayne	10/8/1984
2731	25° 51'	80° 12'	62297	NORTH SHORE HOSPITAL	FDEP	Class V Non-ASR	-	18	17	Biscayne	11/15/1984
2732	25° 40'	80° 16'	60812	WALLRATH, C. L.	FDEP	Class V Non-ASR	-	18	16	Biscayne	8/16/1984
2733	25° 51'	80° 11'	60818	CLARK, C. R.	FDEP	Class V Non-ASR	-	18	16	Biscayne	6/28/2010
2734	25° 43'	80° 15'	61562	SPARKS CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	18	15	Biscayne	7/20/1984
2735	25° 45'	80° 14'	62384	EVANGELIST LUTHERAN CHURCH	FDEP	Class V Non-ASR	-	18	16	Biscayne	9/21/1984
2736	25° 46'	80° 11'	62391	EVERGLADES MEN'S SHOP	FDEP	Class V Non-ASR	-	18	12	Biscayne	9/24/1984
2737	25° 53'	80° 11'	62414	FAIR WAY MARKET	FDEP	Class V Non-ASR	-	18	16	Biscayne	9/24/1984
2738	25° 45'	80° 12'	62415	FAIR, ZARKA	FDEP	Class V Non-ASR	-	18	18	Biscayne	9/24/1984
2739	25° 48'	80° 13'	60891	QUICK, CHARLES	FDEP	Class V Non-ASR	-	18	18	Biscayne	8/20/1984
2740	25° 47'	80° 11'	61633	SUN RAY COMPANY	FDEP	Class V Non-ASR	-	18	16	Biscayne	7/24/1984
2741	25° 43'	80° 19'	61701	THE PUMP HOUSE	FDEP	Class V Non-ASR	-	18	16	Biscayne	7/30/1984
2742	25° 46'	80° 13'	62491	FLAMINGO PROPERTIES, INC.	FDEP	Class V Non-ASR	-	18	16	Biscayne	10/5/1984
2743	25° 47'	80° 13'	64257	MIAMI POLICE BENE. ASSOCIATION	FDEP	Class V Non-ASR	-	18	16	Biscayne	10/23/1984
2744	25° 48'	80° 16'	64271	MIA. TRAVELER'S HOT.	FDEP	Class V Non-ASR	-	18	18	Biscayne	10/23/1984
2745	25° 44'	80° 17'	63490	MOREDOCK, HOWE, JR.	FDEP	Class V Non-ASR	-	18	18	Biscayne	7/9/1984
2746	25° 50'	80° 11'	63542	ITALIAN GARDENS REST.	FDEP	Class V Non-ASR	-	18	16	Biscayne	7/11/1984
2747	25° 43'	80° 17'	64443	MARGER, M.	FDEP	Class V Non-ASR	-	18	17	Biscayne	10/31/1984
2748	25° 48'	80° 13'	62844	CHERIN, R.	FDEP	Class V Non-ASR	-	18	15	Biscayne	11/13/1984
2749	25° 44'	80° 18'	62864	CHAPMAN, R. T.	FDEP	Class V Non-ASR	-	18	0	Biscayne	11/13/1984
2750	25° 46'	80° 12'	63634	SHAFFER, JACK	FDEP	Class V Non-ASR	-	18	16	Biscayne	7/19/1984
2751	25° 51'	80° 10'	62899	HALL, RAYMOND	FDEP	Class V Non-ASR	-	18	16	Biscayne	11/16/1984
2752	25° 44'	80° 19'	63813	LEVY, JOSEPH	FDEP	Class V Non-ASR	-	18	18	Biscayne	8/13/1984
2753	25° 43'	80° 20'	63191	DAWSON, R. A. & ELEANOR	FDEP	Class V Non-ASR	-	18	15	Biscayne	12/28/1984
2754	25° 40'	80° 16'	64019	PETERS, LEWIS	FDEP	Class V Non-ASR	-	18	14	Biscayne	9/27/1984
2755	25° 46'	80° 11'	64080	GOMEZ, LUIS	FDEP	Class V Non-ASR	-	18	16	Biscayne	10/4/1984
2756	25° 45'	80° 16'	64144	PURCELL, MARGUERITE	FDEP	Class V Non-ASR	-	18	18	Biscayne	10/11/1984
2757	25° 46'	80° 11'	61765	TUGG FURNITURE COMPANY	FDEP	Class V Non-ASR	-	19	16	Biscayne	7/31/1984
2758	25° 52'	80° 10'	61142	CLAUSEN, DEAN	FDEP	Class V Non-ASR	-	19	16	Biscayne	8/31/1984
2759	25° 48'	80° 14'	60393	PITMAN, A. J.	FDEP	Class V Non-ASR	-	19	18	Biscayne	6/28/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
2760	25° 44'	80° 16'	61150	RENUARY,DENIS	FDEP	Class V Non-ASR	-	19	16	Biscayne	9/4/1984
2761	25° 53'	80° 11'	61248	WHIDDON,DR. L. L.	FDEP	Class V Non-ASR	-	19	17	Biscayne	9/6/1984
2762	25° 44'	80° 13'	60597	KORN, ARTHUR	FDEP	Class V Non-ASR	-	19	16	Biscayne	8/1/1984
2763	25° 50'	80° 11'	60604	ATLANTIC PHOTO SUPPLY	FDEP	Class V Non-ASR	-	19	16	Biscayne	8/2/1984
2764	25° 46'	80° 11'	60742	BISCAYNE PLAZA HOTEL	FDEP	Class V Non-ASR	-	19	17	Biscayne	8/10/1984
2765	25° 42'	80° 15'	62341	CUEVAS, OCTAVIO	FDEP	Class V Non-ASR	-	19	17	Biscayne	11/15/1984
2766	25° 46'	80° 13'	62365	RUSHKIN, EMANUEL	FDEP	Class V Non-ASR	-	19	16	Biscayne	9/21/1984
2767	25° 48'	80° 11'	62405	F. SCHUMAKER & COMPANY	FDEP	Class V Non-ASR	-	19	16	Biscayne	9/24/1984
2768	25° 47'	80° 14'	60150	ROHN TOOL CORPORATION	FDEP	Class V Non-ASR	-	19	17	Biscayne	8/4/1981
2769	25° 50'	80° 11'	62697	OWNER UNKNOWN (NURY ESTELAS ENT., LLC)	FDEP	Class V Non-ASR	-	19	17	Biscayne	10/16/1984
2770	25° 45'	80° 13'	62724	PARK PHARMACY	FDEP	Class V Non-ASR	-	19	14	Biscayne	10/19/1984
2771	25° 48'	80° 13'	63643	JACKSON'S STORE	FDEP	Class V Non-ASR	-	19	17	Biscayne	7/19/1984
2772	25° 51'	80° 11'	62916	RENAUART LUMBER YARDS	FDEP	Class V Non-ASR	-	19	0	Biscayne	11/19/1984
2773	25° 50'	80° 14'	62917	REPUBLIC BUILDERS	FDEP	Class V Non-ASR	-	19	16	Biscayne	11/19/1984
2774	25° 45'	80° 12'	63327	REINERTSON, DORIS G.	FDEP	Class V Non-ASR	-	19	15	Biscayne	1/8/1985
2775	25° 46'	80° 18'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	4/29/2013
2776	25° 46'	80° 18'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	4/29/2013
2777	25° 45'	80° 19'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2778	25° 45'	80° 18'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2779	25° 45'	80° 18'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2780	25° 45'	80° 18'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2781	25° 46'	80° 18'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2782	25° 46'	80° 17'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2783	25° 46'	80° 17'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2784	25° 46'	80° 17'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2785	25° 46'	80° 16'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2786	25° 46'	80° 16'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2787	25° 46'	80° 16'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2788	25° 46'	80° 16'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2789	25° 46'	80° 16'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2790	25° 45'	80° 16'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2791	25° 47'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2792	25° 46'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2793	25° 46'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2794	25° 46'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2795	25° 46'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2796	25° 46'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2797	25° 46'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2798	25° 46'	80° 16'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2799	25° 47'	80° 10'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2800	25° 47'	80° 10'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2801	25° 46'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2802	25° 46'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2803	25° 46'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2804	25° 45'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2805	25° 45'	80° 12'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2806	25° 45'	80° 12'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2807	25° 45'	80° 12'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2808	25° 45'	80° 12'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2809	25° 45'	80° 12'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2810	25° 45'	80° 12'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2811	25° 45'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2812	25° 45'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2813	25° 45'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2814	25° 45'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2815	25° 45'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2816	25° 45'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2817	25° 45'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2818	25° 45'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2819	25° 45'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2820	25° 45'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2821	25° 45'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2822	25° 44'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2823	25° 44'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2824	25° 44'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2825	25° 44'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2826	25° 44'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2827	25° 44'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2828	25° 44'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2829	25° 44'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2830	25° 44'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2831	25° 44'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2832	25° 44'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2833	25° 44'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2834	25° 44'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2835	25° 44'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2836	25° 44'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2837	25° 44'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2838	25° 44'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2839	25° 44'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2840	25° 44'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2841	25° 44'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2842	25° 44'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2843	25° 43'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2844	25° 43'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2845	25° 43'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2846	25° 43'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2847	25° 43'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2848	25° 43'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
2849	25° 45'	80° 11'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2850	25° 48'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2851	25° 45'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2852	25° 44'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2853	25° 43'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2854	25° 43'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2855	25° 43'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2856	25° 44'	80° 12'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2857	25° 44'	80° 12'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2858	25° 43'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2859	25° 43'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2860	25° 44'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2861	25° 45'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2862	25° 46'	80° 18'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	4/29/2013
2863	25° 46'	80° 18'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	4/29/2013
2864	25° 49'	80° 11'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2865	25° 49'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2866	25° 49'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2867	25° 49'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2868	25° 48'	80° 12'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2869	25° 48'	80° 12'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2870	25° 48'	80° 12'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2871	25° 49'	80° 11'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2872	25° 46'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2873	25° 46'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2874	25° 46'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2875	25° 46'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2876	25° 46'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2877	25° 47'	80° 10'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2878	25° 50'	80° 11'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2879	25° 46'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2880	25° 46'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2881	25° 46'	80° 15'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2882	25° 44'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2883	25° 44'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2884	25° 48'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2885	25° 48'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2886	25° 48'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2887	25° 44'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2888	25° 43'	80° 14'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	20	20	Biscayne	2/7/2011
2889	25° 46'	80° 13'	61737	TRACY FUNERAL HOME	FDEP	Class V Non-ASR	-	20	17	Biscayne	7/31/1984
2890	25° 44'	80° 17'	62535	CLARK, FRANK H.	FDEP	Class V Non-ASR	-	20	18	Biscayne	10/15/1984
2891	25° 46'	80° 12'	62559	SOLOMON, FRANK	FDEP	Class V Non-ASR	-	20	16	Biscayne	10/16/1984
2892	25° 48'	80° 12'	61783	UNIT. PENTECOSTAL CH.	FDEP	Class V Non-ASR	-	20	0	Biscayne	8/1/1984
2893	25° 48'	80° 11'	61799	USWV ASSOC., INC.	FDEP	Class V Non-ASR	-	20	0	Biscayne	8/2/1984
2894	25° 42'	80° 16'	62580	KRELL, FRED	FDEP	Class V Non-ASR	-	20	18	Biscayne	10/18/1984
2895	25° 48'	80° 11'	62619	G. F. C. LOAN COMPANY	FDEP	Class V Non-ASR	-	20	18	Biscayne	10/19/1984
2896	25° 44'	80° 15'	61817	ALLISON, VERNA	FDEP	Class V Non-ASR	-	20	16	Biscayne	8/2/1984
2897	25° 41'	80° 17'	61851	MCKEIGHAN, W. H.	FDEP	Class V Non-ASR	-	20	0	Biscayne	8/6/1984
2898	25° 39'	80° 18'	62631	GABLES-YORK CO.	FDEP	Class V Non-ASR	-	20	16	Biscayne	10/24/1984
2899	25° 45'	80° 16'	62632	GABLES-YORK COMPANY	FDEP	Class V Non-ASR	-	20	16	Biscayne	10/24/1984
2900	25° 49'	80° 10'	61861	MCKEE, W. M., JR.	FDEP	Class V Non-ASR	-	20	17	Biscayne	8/7/1984
2901	25° 50'	80° 10'	60387	CORBETT, A. J.	FDEP	Class V Non-ASR	-	20	18	Biscayne	6/28/1984
2902	25° 41'	80° 16'	60407	DAVIS. A. V.	FDEP	Class V Non-ASR	-	20	20	Biscayne	7/13/1984
2903	25° 48'	80° 16'	60430	ACRI CORPORATIONS	FDEP	Class V Non-ASR	-	20	0	Biscayne	7/18/1984
2904	25° 48'	80° 16'	60484	LECUAS, ALEX	FDEP	Class V Non-ASR	-	20	18	Biscayne	7/26/1984
2905	25° 44'	80° 17'	61249	LUPPOLD, L. S., DR	FDEP	Class V Non-ASR	-	20	18	Biscayne	8/1/1984
2906	25° 51'	80° 11'	61274	LASHINS, E. A.	FDEP	Class V Non-ASR	-	20	14	Biscayne	9/6/1984
2907	25° 42'	80° 16'	61276	SEGERT, E. C.	FDEP	Class V Non-ASR	-	20	0	Biscayne	9/6/1984
2908	25° 49'	80° 10'	62063	ROLLER, GEORGE K., JR.	FDEP	Class V Non-ASR	-	20	0	Biscayne	11/16/1984
2909	25° 45'	80° 13'	62077	TRENCHER, GEORGE	FDEP	Class V Non-ASR	-	20	20	Biscayne	9/18/1984
2910	25° 48'	80° 7'	62095	ARKUS, GLADYS	FDEP	Class V Non-ASR	-	20	0	Biscayne	11/16/1984
2911	25° 42'	80° 15'	62103	COLLIER, GOERGE W.	FDEP	Class V Non-ASR	-	20	18	Biscayne	9/18/1984
2912	25° 44'	80° 14'	60586	ART-CEMENT MANUFACTURING COMPANY	FDEP	Class V Non-ASR	-	20	20	Biscayne	8/1/1984
2913	25° 53'	80° 10'	61339	TAIGMAN, EDWARD	FDEP	Class V Non-ASR	-	20	16	Biscayne	9/11/1984
2914	25° 49'	80° 11'	62131	GRABLE'S BAKERY	FDEP	Class V Non-ASR	-	20	0	Biscayne	11/16/1984
2915	25° 45'	80° 12'	62142	GREEK ORTHODOX CHURCH	FDEP	Class V Non-ASR	-	20	0	Biscayne	9/20/1984
2916	25° 48'	80° 14'	60615	AVIATION BUILDING	FDEP	Class V Non-ASR	-	20	17	Biscayne	8/2/1984
2917	25° 43'	80° 19'	61367	RWS INVESTMENT CORPORATION	FDEP	Class V Non-ASR	-	20	15	Biscayne	7/18/1984
2918	25° 43'	80° 20'	61368	RWS INVESTMENT CORPORATION	FDEP	Class V Non-ASR	-	20	15	Biscayne	7/18/1984
2919	25° 43'	80° 20'	61386	MCCAHILL, S. S.	FDEP	Class V Non-ASR	-	20	18	Biscayne	7/18/1984
2920	25° 41'	80° 17'	62175	BISSEL, H. H.	FDEP	Class V Non-ASR	-	20	18	Biscayne	9/20/1984
2921	25° 44'	80° 15'	62179	BRAUNSTEIN, H. JAY	FDEP	Class V Non-ASR	-	20	17	Biscayne	9/20/1984
2922	25° 44'	80° 15'	62193	HAMBURGER CIRCUS	FDEP	Class V Non-ASR	-	20	15	Biscayne	9/21/1984
2923	25° 42'	80° 17'	60645	BANKS COMPANY	FDEP	Class V Non-ASR	-	20	18	Biscayne	8/6/1984
2924	25° 50'	80° 11'	62232	RUBIN, HARRY	FDEP	Class V Non-ASR	-	20	0	Biscayne	11/19/1984
2925	25° 42'	80° 15'	62238	GRAHAM, HARRY	FDEP	Class V Non-ASR	-	20	20	Biscayne	11/19/1984
2926	25° 42'	80° 15'	62239	GRAHAM, HARRY W.	FDEP	Class V Non-ASR	-	20	20	Biscayne	11/19/1984
2927	25° 42'	80° 15'	62254	MAY, N. E.	FDEP	Class V Non-ASR	-	20	18	Biscayne	9/28/1984
2928	25° 43'	80° 16'	62312	RETHORST, O. W.	FDEP	Class V Non-ASR	-	20	18	Biscayne	10/9/1984
2929	25° 44'	80° 15'	61561	SPARKS CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	20	17	Biscayne	7/20/1984
2930	25° 47'	80° 12'	61571	SPINKS BROTHERS	FDEP	Class V Non-ASR	-	20	17	Biscayne	7/20/1984
2931	25° 48'	80° 11'	61596	STANTON MEM. BAPTIST CHURCH	FDEP	Class V Non-ASR	-	20	0	Biscayne	7/23/1984
2932	25° 44'	80° 16'	62410	F & R BUILDERS, INC.	FDEP	Class V Non-ASR	-	20	0	Biscayne	9/24/1984
2933	25° 46'	80° 13'	60866	CENTRAL PRESBYTERIAN CHURCH	FDEP	Class V Non-ASR	-	20	0	Biscayne	8/20/1984
2934	25° 47'	80° 11'	60868	MOREHEAD, CHARLES	FDEP	Class V Non-ASR	-	20	18	Biscayne	8/20/1984
2935	25° 46'	80° 11'	61616	STONES'S BAR	FDEP	Class V Non-ASR	-	20	18	Biscayne	7/23/1984
2936	25° 47'	80° 13'	61644	SUPER CASH & CARRY MEATS	FDEP	Class V Non-ASR	-	20	18	Biscayne	8/16/1985
2937	25° 42'	80° 15'	61645	SURE WATER WELL COMPANY	FDEP	Class V Non-ASR	-	20	16	Biscayne	7/24/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
2938	25° 53'	80° 11'	60910	CHRIST LUTHERAN CHURCH	FDEP	Class V Non-ASR	-	20	0	Biscayne	8/20/1984
2939	25° 47'	80° 12'	61676	WRIGHT, T. T. (CITY OF MIAMI)	FDEP	Class V Non-ASR	-	20	0	Biscayne	7/25/1984
2940	25° 49'	80° 11'	61677	JOSEPH T.V., INC.	FDEP	Class V Non-ASR	-	20	18	Biscayne	7/25/1984
2941	25° 46'	80° 12'	61680	TANNER GROCERY COMPANY	FDEP	Class V Non-ASR	-	20	20	Biscayne	7/25/1984
2942	25° 45'	80° 15'	63340	STADLER, JOHN B. AND LUCILLE R.	FDEP	Class V Non-ASR	-	20	16	Biscayne	1/29/2008
2943	25° 40'	80° 18'	63345	WILLIAMSON, GEORGE E.	FDEP	Class V Non-ASR	-	20	0	Biscayne	1/4/1985
2944	25° 46'	80° 11'	63409	EAYRS HERBERT	FDEP	Class V Non-ASR	-	20	16	Biscayne	7/5/1984
2945	25° 42'	80° 16'	64217	ROBINSON, MELVIN J.	FDEP	Class V Non-ASR	-	20	0	Biscayne	10/18/1984
2946	25° 46'	80° 12'	63453	HILLMAN GARMENT	FDEP	Class V Non-ASR	-	20	10	Biscayne	7/6/1984
2947	25° 50'	80° 11'	64282	MIAMI RETREAT FOUNDATION	FDEP	Class V Non-ASR	-	20	14	Biscayne	10/23/1984
2948	25° 42'	80° 15'	64348	KANTOR, MR.	FDEP	Class V Non-ASR	-	20	0	Biscayne	10/26/1984
2949	25° 45'	80° 15'	62794	PONCE, INC.	FDEP	Class V Non-ASR	-	20	0	Biscayne	10/29/1984
2950	25° 45'	80° 11'	62795	DAVIS, POOLY	FDEP	Class V Non-ASR	-	20	0	Biscayne	10/29/1984
2951	25° 51'	80° 12'	63546	BACCUS, J. A.	FDEP	Class V Non-ASR	-	20	18	Biscayne	7/11/1984
2952	25° 52'	80° 17'	63550	DAUB, J. A.	FDEP	Class V Non-ASR	-	20	18	Biscayne	7/11/1984
2953	25° 42'	80° 18'	63552	ISBELL, J. B.	FDEP	Class V Non-ASR	-	20	18	Biscayne	7/11/1984
2954	25° 40'	80° 17'	63570	GALINDO, J.	FDEP	Class V Non-ASR	-	20	16	Biscayne	7/11/1984
2955	25° 46'	80° 15'	63578	SHEPPARD, J. J.	FDEP	Class V Non-ASR	-	20	0	Biscayne	7/12/1984
2956	25° 55'	80° 10'	64357	DUBIN, MR.	FDEP	Class V Non-ASR	-	20	20	Biscayne	10/29/1984
2957	25° 40'	80° 16'	64359	CHASE, MR. EDWARD	FDEP	Class V Non-ASR	-	20	18	Biscayne	10/29/1984
2958	25° 46'	80° 13'	64362	PERNAS, G.	FDEP	Class V Non-ASR	-	20	18	Biscayne	10/29/1984
2959	25° 49'	80° 10'	64382	PASSMANN, ROBERT	FDEP	Class V Non-ASR	-	20	17	Biscayne	10/29/1984
2960	25° 45'	80° 16'	64394	O'NEAL, MR. W. G. JR.	FDEP	Class V Non-ASR	-	20	18	Biscayne	10/30/1984
2961	25° 54'	80° 10'	63625	JACK KNAPP REALTY	FDEP	Class V Non-ASR	-	20	16	Biscayne	7/13/1984
2962	25° 54'	80° 10'	63626	JACK KNAPP REALTY	FDEP	Class V Non-ASR	-	20	16	Biscayne	7/13/1984
2963	25° 52'	80° 10'	64436	LEVIN, MRS. J.	FDEP	Class V Non-ASR	-	20	0	Biscayne	10/31/1984
2964	25° 43'	80° 16'	64451	SMITH, SHELLEY	FDEP	Class V Non-ASR	-	20	0	Biscayne	10/31/1984
2965	25° 45'	80° 14'	63682	JAMES L. ANDERSON	FDEP	Class V Non-ASR	-	20	11	Biscayne	7/25/1984
2966	25° 46'	80° 11'	62892	RAYBO ELECTRIC	FDEP	Class V Non-ASR	-	20	14	Biscayne	11/16/1984
2967	25° 50'	80° 16'	63718	WITTELS, JERRY A.	FDEP	Class V Non-ASR	-	20	20	Biscayne	7/31/1984
2968	25° 46'	80° 12'	63010	RIVERSIDE BANK	FDEP	Class V Non-ASR	-	20	16	Biscayne	11/26/1984
2969	25° 50'	80° 11'	63738	JOE'S BAR	FDEP	Class V Non-ASR	-	20	18	Biscayne	8/1/1984
2970	25° 48'	80° 16'	62952	OWNER UNKNOWN	FDEP	Class V Non-ASR	-	20	18	Biscayne	11/21/1984
2971	25° 44'	80° 15'	63052	FLEMING, ROBERT J.	FDEP	Class V Non-ASR	-	20	0	Biscayne	9/28/1984
2972	25° 44'	80° 12'	63879	KIRVIN, SHAFTON	FDEP	Class V Non-ASR	-	20	18	Biscayne	9/6/1984
2973	25° 47'	80° 12'	63122	RUSSEL FRUIT JUICE 2	FDEP	Class V Non-ASR	-	20	0	Biscayne	8/16/1985
2974	25° 47'	80° 12'	63126	RUSSELL FRUIT JUICE 2	FDEP	Class V Non-ASR	-	20	0	Biscayne	11/29/1984
2975	25° 48'	80° 13'	63893	KOTTON KING DRESS SHOP	FDEP	Class V Non-ASR	-	20	17	Biscayne	9/6/1984
2976	25° 50'	80° 11'	63188	GRACE UNITED METHODIST CHURCH	FDEP	Class V Non-ASR	-	20	0	Biscayne	12/28/1984
2977	25° 42'	80° 15'	63199	ACKERMANN, FRANK J., JR.	FDEP	Class V Non-ASR	-	20	20	Biscayne	1/2/1985
2978	25° 42'	80° 15'	63204	HOFFMAN, RICHARD M.	FDEP	Class V Non-ASR	-	20	20	Biscayne	1/2/1985
2979	25° 42'	80° 15'	63211	MCCLYMONDS, ROBERT C.	FDEP	Class V Non-ASR	-	20	18	Biscayne	1/2/1985
2980	25° 46'	80° 12'	63969	LEE-LINCOLN FOUNDATION	FDEP	Class V Non-ASR	-	20	16	Biscayne	9/26/1984
2981	25° 42'	80° 18'	63232	CALLAN, LOUISE	FDEP	Class V Non-ASR	-	20	0	Biscayne	1/3/1985
2982	25° 46'	80° 12'	64069	LUBY CHEVROLET COMPANY	FDEP	Class V Non-ASR	-	20	0	Biscayne	10/4/1984
2983	25° 42'	80° 18'	63285	BOEREMA, ROBERT J.	FDEP	Class V Non-ASR	-	20	20	Biscayne	1/14/1985
2984	25° 41'	80° 16'	63300	DEWEY, GEORGE L. & RUTH N.	FDEP	Class V Non-ASR	-	20	0	Biscayne	1/9/1985
2985	25° 43'	80° 14'	64108	SMITH, M. L.	FDEP	Class V Non-ASR	-	20	0	Biscayne	10/5/1984
2986	25° 53'	80° 11'	64136	MARCO SHOE STORE	FDEP	Class V Non-ASR	-	20	0	Biscayne	10/11/1984
2987	25° 51'	80° 11'	64139	VOORHIES, MARGARET D.	FDEP	Class V Non-ASR	-	20	17	Biscayne	10/11/1984
2988	25° 46'	80° 12'	64143	VALCARCE, MARGOT	FDEP	Class V Non-ASR	-	20	16	Biscayne	10/11/1984
2989	25° 48'	80° 13'	60959	CITY PUBLIC WORKS DEPT.	FDEP	Class V Non-ASR	-	21	17	Biscayne	8/23/1984
2990	25° 44'	80° 13'	62595	DAY, FREDRICK B.	FDEP	Class V Non-ASR	-	21	21	Biscayne	10/18/1984
2991	25° 45'	80° 15'	61004	CORAL GABLES ELKS BUILDING	FDEP	Class V Non-ASR	-	21	18	Biscayne	8/24/1984
2992	25° 42'	80° 16'	62665	GREINER, R. F.	FDEP	Class V Non-ASR	-	21	18	Biscayne	10/30/1984
2993	25° 45'	80° 13'	61065	WEAVER, D. M.	FDEP	Class V Non-ASR	-	21	19	Biscayne	8/28/1984
2994	25° 42'	80° 16'	61865	AUSTIN, W. P.	FDEP	Class V Non-ASR	-	21	18	Biscayne	8/7/1984
2995	25° 54'	80° 12'	61876	WHEELER, SEC., W. T.	FDEP	Class V Non-ASR	-	21	0	Biscayne	8/7/1984
2996	25° 45'	80° 15'	61908	WARSHAW & SETTLE, INC.	FDEP	Class V Non-ASR	-	21	18	Biscayne	8/8/1984
2997	25° 44'	80° 14'	60371	GRAZIANI, A. A.	FDEP	Class V Non-ASR	-	21	18	Biscayne	6/27/1984
2998	25° 41'	80° 15'	61170	DOLOMITE CORP. OF AMERICA	FDEP	Class V Non-ASR	-	21	21	Biscayne	9/4/1984
2999	25° 44'	80° 12'	61188	SOLOMON, DON	FDEP	Class V Non-ASR	-	21	18	Biscayne	9/4/1984
3000	25° 42'	80° 17'	61988	WINN & LOVETT GROCERY	FDEP	Class V Non-ASR	-	21	19	Biscayne	8/13/1984
3001	25° 51'	80° 7'	62040	GEORGE EBERHARDT APTS.	FDEP	Class V Non-ASR	-	21	20	Biscayne	9/12/1984
3002	25° 41'	80° 18'	62054	DUVALL, GEORGE	FDEP	Class V Non-ASR	-	21	18	Biscayne	9/12/1984
3003	25° 51'	80° 11'	61272	DYNAMIC REALTY CORPORATION	FDEP	Class V Non-ASR	-	21	18	Biscayne	9/6/1984
3004	25° 44'	80° 15'	62086	STRAHL, GERALD	FDEP	Class V Non-ASR	-	21	17	Biscayne	11/16/1984
3005	25° 47'	80° 13'	62097	GLASS FUNERAL HOME	FDEP	Class V Non-ASR	-	21	15	Biscayne	9/18/1984
3006	25° 44'	80° 15'	62101	BARAKAT, GEORGE	FDEP	Class V Non-ASR	-	21	21	Biscayne	11/16/1984
3007	25° 41'	80° 19'	62106	DUVALL, GEORGE	FDEP	Class V Non-ASR	-	21	0	Biscayne	11/16/1984
3008	25° 44'	80° 15'	61335	REMPE, EDWARD	FDEP	Class V Non-ASR	-	21	19	Biscayne	9/11/1984
3009	25° 38'	80° 18'	61345	BEEBE, EDWIN	FDEP	Class V Non-ASR	-	21	19	Biscayne	9/11/1984
3010	25° 42'	80° 16'	61349	PERLMAN, EILEEN	FDEP	Class V Non-ASR	-	21	16	Biscayne	9/11/1984
3011	25° 46'	80° 14'	62133	HOUSLAR, GRACE	FDEP	Class V Non-ASR	-	21	0	Biscayne	9/19/1984
3012	25° 43'	80° 19'	60648	BAPTIST CHURCH OF BIRD ROAD	FDEP	Class V Non-ASR	-	21	17	Biscayne	8/6/1984
3013	25° 48'	80° 13'	60690	BENIFICIAL FINANCE	FDEP	Class V Non-ASR	-	21	19	Biscayne	8/7/1984
3014	25° 44'	80° 15'	61413	SCHULEFOND, SAM	FDEP	Class V Non-ASR	-	21	18	Biscayne	7/18/1984
3015	25° 41'	80° 17'	61430	FAZIO, SANTO	FDEP	Class V Non-ASR	-	21	18	Biscayne	7/19/1984
3016	25° 47'	80° 14'	62241	HART, HARVEY	FDEP	Class V Non-ASR	-	21	20	Biscayne	11/19/1984
3017	25° 48'	80° 16'	62262	FINDER, NAT	FDEP	Class V Non-ASR	-	21	17	Biscayne	10/3/1984
3018	25° 46'	80° 14'	60724	BIG BEN CORPORATION	FDEP	Class V Non-ASR	-	21	18	Biscayne	8/8/1984
3019	25° 44'	80° 16'	62268	ROOD, NATHAN	FDEP	Class V Non-ASR	-	21	18	Biscayne	10/3/1984
3020	25° 42'	80° 17'	62298	NORTON TIRE COMPANY	FDEP	Class V Non-ASR	-	21	0	Biscayne	10/8/1984
3021	25° 43'	80° 19'	61545	BECKER, SONDRA	FDEP	Class V Non-ASR	-	21	18	Biscayne	7/20/1984
3022	25° 46'	80° 12'	62319	OCCUPANT (YELLOW LEAF DEV., LLC)	FDEP	Class V Non-ASR	-	21	18	Biscayne	11/15/1984
3023	25° 46'	80° 11'	60826	CAMERON & BARKLEY COMPANY	FDEP	Class V Non-ASR	-	21	19	Biscayne	8/16/1984
3024	25° 50'	80° 17'	60835	CARCON, INC.	FDEP	Class V Non-ASR	-	21	16	Biscayne	8/17/1984
3025	25° 41'	80° 17'	60838	LUPSICA, CARL	FDEP	Class V Non-ASR	-	21	18	Biscayne	8/17/1984
3026	25° 45'	80° 13'	62413	FADER'S, INC.	FDEP	Class V Non-ASR	-	21	19	Biscayne	9/24/1984

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
3027	25° 49'	80° 11'	60871	COOPER, CHARLES	FDEP	Class V Non-ASR	-	21	20	Biscayne	8/20/1984
3028	25° 50'	80° 11'	61703	SHALIMAR MOTEL	FDEP	Class V Non-ASR	-	21	16	Biscayne	7/30/1984
3029	25° 51'	80° 7'	60149	KOVENS, KEITH	FDEP	Class V Non-ASR	-	21	20	Biscayne	11/10/1980
3030	25° 41'	80° 19'	63358	SPARTI, FRANK J AND LILLIAN	FDEP	Class V Non-ASR	-	21	0	Biscayne	1/17/1985
3031	25° 44'	80° 15'	63378	MEYER, HEDDY	FDEP	Class V Non-ASR	-	21	16	Biscayne	7/5/1984
3032	25° 46'	80° 11'	63406	KERN, HERB	FDEP	Class V Non-ASR	-	21	18	Biscayne	7/5/1984
3033	25° 52'	80° 11'	63477	HOWARD EDWARDS	FDEP	Class V Non-ASR	-	21	20	Biscayne	7/9/1984
3034	25° 48'	80° 16'	64271	MIA. TRAVELER'S HOT.	FDEP	Class V Non-ASR	-	21	21	Biscayne	10/23/1984
3035	25° 51'	80° 11'	64297	JARKINS, MILLARD	FDEP	Class V Non-ASR	-	21	18	Biscayne	10/24/1984
3036	25° 41'	80° 18'	62714	PALMS MOTEL	FDEP	Class V Non-ASR	-	21	18	Biscayne	10/19/1984
3037	25° 42'	80° 17'	63495	MASCETELLI, HUGO	FDEP	Class V Non-ASR	-	21	18	Biscayne	7/9/1984
3038	25° 42'	80° 16'	63523	TOFFLER, IRMA	FDEP	Class V Non-ASR	-	21	15	Biscayne	7/9/1984
3039	25° 42'	80° 15'	64306	KOROTKIN, MILTON	FDEP	Class V Non-ASR	-	21	18	Biscayne	10/24/1984
3040	25° 51'	80° 11'	64343	TERRY, MORTON	FDEP	Class V Non-ASR	-	21	18	Biscayne	10/25/1984
3041	25° 43'	80° 17'	63540	BERMAN, ISRAEL	FDEP	Class V Non-ASR	-	21	18	Biscayne	7/11/1984
3042	25° 45'	80° 11'	63556	CAPRON, J. C.	FDEP	Class V Non-ASR	-	21	18	Biscayne	7/11/1984
3043	25° 51'	80° 13'	64353	NIXON, MR. C. B.	FDEP	Class V Non-ASR	-	21	18	Biscayne	10/29/1984
3044	25° 44'	80° 16'	64354	CARLISLE	FDEP	Class V Non-ASR	-	21	19	Biscayne	10/29/1984
3045	25° 39'	80° 18'	64386	WILSON	FDEP	Class V Non-ASR	-	21	0	Biscayne	10/29/1984
3046	25° 48'	80° 13'	62730	CROOK, PATRICIA	FDEP	Class V Non-ASR	-	21	18	Biscayne	10/19/1984
3047	25° 47'	80° 13'	62751	PENINSULAR SUPPLY	FDEP	Class V Non-ASR	-	21	19	Biscayne	10/25/1984
3048	25° 44'	80° 17'	64429	ROBINSON, H. C.	FDEP	Class V Non-ASR	-	21	16	Biscayne	10/31/1984
3049	25° 45'	80° 15'	64441	TOLOFF, LESTER	FDEP	Class V Non-ASR	-	21	18	Biscayne	10/31/1984
3050	25° 45'	80° 11'	62845	WEITZNER, R. D.	FDEP	Class V Non-ASR	-	21	18	Biscayne	11/6/1984
3051	25° 44'	80° 15'	62876	RAFE SYSTEM CORPORATION	FDEP	Class V Non-ASR	-	21	18	Biscayne	11/15/1984
3052	25° 44'	80° 16'	63672	DEAN, JAMES F.	FDEP	Class V Non-ASR	-	21	0	Biscayne	7/19/1984
3053	25° 49'	80° 11'	64459	MUNTZ T.V. INC.	FDEP	Class V Non-ASR	-	21	21	Biscayne	10/31/1984
3054	25° 45'	80° 13'	63731	JIMMIE L. ENG.	FDEP	Class V Non-ASR	-	21	0	Biscayne	8/1/1984
3055	25° 49'	80° 16'	62993	SEKMAN, RICHARD J.	FDEP	Class V Non-ASR	-	21	0	Biscayne	11/20/1984
3056	25° 42'	80° 16'	63017	RIVIERA PRESBYTERIAN CHURCH	FDEP	Class V Non-ASR	-	21	15	Biscayne	11/26/1984
3057	25° 48'	80° 14'	63021	RO-ED CORPORATION	FDEP	Class V Non-ASR	-	21	18	Biscayne	11/26/1984
3058	25° 42'	80° 17'	63742	JOETEK REALTY COMPANY	FDEP	Class V Non-ASR	-	21	18	Biscayne	8/1/1984
3059	25° 43'	80° 20'	62964	FERRARE, PHYLLIS	FDEP	Class V Non-ASR	-	21	17	Biscayne	8/15/1985
3060	25° 46'	80° 13'	63821	MCGHAN, JOSEPH P. JR.	FDEP	Class V Non-ASR	-	21	18	Biscayne	8/13/1984
3061	25° 45'	80° 12'	63826	FULLER, JOSEPH W.	FDEP	Class V Non-ASR	-	21	15	Biscayne	8/13/1984
3062	25° 51'	80° 10'	63041	CHEW, ROBERT G.	FDEP	Class V Non-ASR	-	21	17	Biscayne	11/27/1984
3063	25° 43'	80° 16'	63104	ROVIN CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	21	20	Biscayne	11/28/1984
3064	25° 46'	80° 11'	63108	ROY ELKINS HEALTH FOOD	FDEP	Class V Non-ASR	-	21	18	Biscayne	11/29/1984
3065	25° 50'	80° 11'	63899	BERYIL, L.A.	FDEP	Class V Non-ASR	-	21	18	Biscayne	9/6/1984
3066	25° 44'	80° 16'	63228	CORAL GABLES CONGREGATIONAL CHURCH	FDEP	Class V Non-ASR	-	21	20	Biscayne	1/3/1985
3067	25° 45'	80° 12'	63978	BRAVERMAN, LEO, M.D.	FDEP	Class V Non-ASR	-	21	17	Biscayne	9/26/1984
3068	25° 42'	80° 19'	63160	MCDANIEL JR., JOHN. R.	FDEP	Class V Non-ASR	-	21	21	Biscayne	12/28/1984
3069	25° 42'	80° 17'	63247	FIRST UNITED METHODIST CH. S. MIAMI	FDEP	Class V Non-ASR	-	21	17	Biscayne	1/4/1985
3070	25° 44'	80° 15'	64068	LOWRY ELECTRIC COMPANY	FDEP	Class V Non-ASR	-	21	20	Biscayne	10/4/1984
3071	25° 42'	80° 16'	63303	FELDMAN, HERMAN	FDEP	Class V Non-ASR	-	21	21	Biscayne	1/9/1985
3072	25° 42'	80° 17'	63304	FELLOSHIP HOUSE	FDEP	Class V Non-ASR	-	21	18	Biscayne	1/29/2008
3073	25° 46'	80° 15'	64105	MANSENE, M. J.	FDEP	Class V Non-ASR	-	21	18	Biscayne	10/5/1984
3074	25° 44'	80° 15'	64117	SCHWARTZ, M.	FDEP	Class V Non-ASR	-	21	18	Biscayne	10/9/1984
3075	25° 46'	80° 11'	64119	MACEY'S YOUTH TOWN	FDEP	Class V Non-ASR	-	21	11	Biscayne	10/9/1984
3076	25° 48'	80° 8'	95402	RICHARD MORGENSTERN	FDEP	Class V Non-ASR	-	21	20	Biscayne	10/9/1985
3077	25° 44'	80° 12'	61820	LEVINE, VICTOR	FDEP	Class V Non-ASR	-	22	21	Biscayne	8/2/1984
3078	25° 42'	80° 16'	62670	WOSKOW, R. H.	FDEP	Class V Non-ASR	-	22	18	Biscayne	10/30/1984
3079	25° 49'	80° 8'	60291	WHITAKER PHILLIP E., JR	FDEP	Class V Non-ASR	-	22	21	Biscayne	8/21/1980
3080	25° 42'	80° 16'	61062	KING, D. J.	FDEP	Class V Non-ASR	-	22	16	Biscayne	8/24/1984
3081	25° 50'	80° 10'	61863	DIEHL, W. O.	FDEP	Class V Non-ASR	-	22	21	Biscayne	8/7/1984
3082	25° 54'	80° 9'	61880	WEBB, W. (WEBB CONSTRUCTION CO.)	FDEP	Class V Non-ASR	-	22	19	Biscayne	8/7/1984
3083	25° 45'	80° 13'	61189	SOLOMON, DON	FDEP	Class V Non-ASR	-	22	21	Biscayne	9/4/1984
3084	25° 45'	80° 13'	60472	QUINTON, ALBERT, JR.	FDEP	Class V Non-ASR	-	22	18	Biscayne	7/26/1984
3085	25° 46'	80° 12'	60606	ATLAS DISCOUNT COMPANY	FDEP	Class V Non-ASR	-	22	18	Biscayne	8/2/1984
3086	25° 42'	80° 16'	61363	LEVI, ELMER	FDEP	Class V Non-ASR	-	22	18	Biscayne	9/11/1984
3087	25° 49'	80° 11'	61392	SABAL PALM INVESTMENT, INC.	FDEP	Class V Non-ASR	-	22	19	Biscayne	7/18/1984
3088	25° 47'	80° 13'	62195	HAMILTON CONSTRUCTION	FDEP	Class V Non-ASR	-	22	16	Biscayne	11/16/1984
3089	25° 45'	80° 15'	62318	OCCUPANT (ASHFORD CORAL GABLES)	FDEP	Class V Non-ASR	-	22	19	Biscayne	10/9/1984
3090	25° 48'	80° 11'	60806	C. J. BRYSON STEEL	FDEP	Class V Non-ASR	-	22	15	Biscayne	8/16/1984
3091	25° 54'	80° 9'	62371	WEIGEL, EMIL	FDEP	Class V Non-ASR	-	22	6	Biscayne	9/21/1984
3092	25° 43'	80° 15'	62390	EVERGLADES MANUFACTURING	FDEP	Class V Non-ASR	-	22	21	Biscayne	8/16/1985
3093	25° 39'	80° 17'	62394	CONWAY, F. A.	FDEP	Class V Non-ASR	-	22	21	Biscayne	9/24/1984
3094	25° 49'	80° 14'	62411	FABAR, INC.	FDEP	Class V Non-ASR	-	22	18	Biscayne	9/24/1984
3095	25° 48'	80° 13'	60865	CENTRAL LOAN CO.	FDEP	Class V Non-ASR	-	22	18	Biscayne	8/20/1984
3096	25° 46'	80° 7'	62450	FLA. HILL YORK CORPORATION	FDEP	Class V Non-ASR	-	22	0	Biscayne	9/28/1984
3097	25° 47'	80° 12'	61700	MOSAIC TILE COMOANY	FDEP	Class V Non-ASR	-	22	18	Biscayne	7/30/1984
3098	25° 50'	80° 15'	62481	FLORIDA STATE BEER DISTRIBUTERS	FDEP	Class V Non-ASR	-	22	20	Biscayne	10/4/1984
3099	25° 41'	80° 16'	63341	STODDART, JOHN M.	FDEP	Class V Non-ASR	-	22	20	Biscayne	1/4/1985
3100	25° 48'	80° 16'	64271	MIA. TRAVELER'S HOT.	FDEP	Class V Non-ASR	-	22	22	Biscayne	10/23/1984
3101	25° 46'	80° 11'	62723	PARATEL PROPERTIES	FDEP	Class V Non-ASR	-	22	20	Biscayne	11/14/1984
3102	25° 46'	80° 14'	64316	MITCHELL AIR CONDITIONING COMPANY	FDEP	Class V Non-ASR	-	22	21	Biscayne	10/24/1984
3103	25° 44'	80° 12'	64323	MOMAR CONSTRUCTION	FDEP	Class V Non-ASR	-	22	20	Biscayne	10/24/1984
3104	25° 45'	80° 15'	62819	CHRISMAN, R. B., JR.	FDEP	Class V Non-ASR	-	22	21	Biscayne	10/5/1984
3105	25° 46'	80° 11'	63559	PRESTON, J. C.	FDEP	Class V Non-ASR	-	22	11	Biscayne	7/11/1984
3106	25° 52'	80° 11'	63617	CAMPBELL, JACK	FDEP	Class V Non-ASR	-	22	20	Biscayne	7/13/1984
3107	25° 45'	80° 15'	64435	CONROY, MRS. J.	FDEP	Class V Non-ASR	-	22	21	Biscayne	10/31/1984
3108	25° 40'	80° 17'	63680	JAMES KORTH	FDEP	Class V Non-ASR	-	22	21	Biscayne	7/25/1984
3109	25° 46'	80° 12'	63684	JAMES MACELLI	FDEP	Class V Non-ASR	-	22	21	Biscayne	7/25/1984
3110	25° 53'	80° 11'	62882	CHERIN, RALPH	FDEP	Class V Non-ASR	-	22	20	Biscayne	11/15/1984
3111	25° 42'	80° 16'	63822	ROBERTSON, JOSEPH	FDEP	Class V Non-ASR	-	22	21	Biscayne	8/13/1984
3112	25° 45'	80° 15'	64016	ADAMS, LEWIS	FDEP	Class V Non-ASR	-	22	20	Biscayne	9/27/1984
3113	25° 47'	80° 13'	64051	ALEXANDER, LOUIS	FDEP	Class V Non-ASR	-	22	20	Biscayne	10/4/1984
3114	25° 40'	80° 18'	63294	CROSS, J. ALAN	FDEP	Class V Non-ASR	-	22	21	Biscayne	1/29/2008
3115	25° 48'	80° 11'	60998	CONGER'S BAR	FDEP	Class V Non-ASR	-	23	18	Biscayne	8/23/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
3116	25° 49'	80° 8'	60291	WHITAKER PHILLIP E., JR	FDEP	Class V Non-ASR	-	23	21	Biscayne	8/21/1980
3117	25° 49'	80° 8'	60291	WHITAKER PHILLIP E., JR	FDEP	Class V Non-ASR	-	23	21	Biscayne	8/21/1980
3118	25° 42'	80° 14'	60388	EPSON, A. J.	FDEP	Class V Non-ASR	-	23	16	Biscayne	6/28/1984
3119	25° 41'	80° 19'	62105	DUVALL, GEORGE	FDEP	Class V Non-ASR	-	23	21	Biscayne	9/18/1984
3120	25° 42'	80° 16'	60552	DAMANDA, ANTHONY	FDEP	Class V Non-ASR	-	23	19	Biscayne	7/31/1984
3121	25° 50'	80° 10'	60730	BILLIE'S DRIVE INN	FDEP	Class V Non-ASR	-	23	20	Biscayne	8/9/1984
3122	25° 40'	80° 18'	60763	WALL, BRAD	FDEP	Class V Non-ASR	-	23	21	Biscayne	8/15/1984
3123	25° 47'	80° 12'	60831	CANTOR'S LIQUOR BAR	FDEP	Class V Non-ASR	-	23	17	Biscayne	8/17/1984
3124	25° 44'	80° 15'	63404	WECHSBERG, HENRY	FDEP	Class V Non-ASR	-	23	20	Biscayne	7/5/1984
3125	25° 47'	80° 14'	62701	HINCKLEY, P.	FDEP	Class V Non-ASR	-	23	20	Biscayne	10/16/1984
3126	25° 46'	80° 13'	64332	MOORE & SLACK	FDEP	Class V Non-ASR	-	23	21	Biscayne	10/25/1984
3127	25° 46'	80° 11'	63632	SCHWARTZ, JACK	FDEP	Class V Non-ASR	-	23	16	Biscayne	7/13/1984
3128	25° 42'	80° 16'	62853	HODGES, R. M.	FDEP	Class V Non-ASR	-	23	16	Biscayne	11/9/1984
3129	25° 45'	80° 15'	63016	RIVIERA CANDY COMPANY	FDEP	Class V Non-ASR	-	23	21	Biscayne	11/26/1984
3130	25° 42'	80° 15'	63047	GOODMAN, ROBERT	FDEP	Class V Non-ASR	-	23	19	Biscayne	11/27/1984
3131	25° 47'	80° 11'	63914	BROOKS, L. L.	FDEP	Class V Non-ASR	-	23	21	Biscayne	9/25/1984
3132	25° 50'	80° 14'	63955	LAWNLITE COMPANY	FDEP	Class V Non-ASR	-	23	0	Biscayne	9/25/1984
3133	25° 42'	80° 16'	63165	ROSEN, DAVID E.	FDEP	Class V Non-ASR	-	23	20	Biscayne	1/17/1985
3134	25° 46'	80° 12'	64003	TURNER, LEONARD	FDEP	Class V Non-ASR	-	23	19	Biscayne	9/26/1984
3135	25° 48'	80° 11'	101136	ICON BAY	FDEP	Class V Non-ASR	-	24	55	Biscayne	3/11/2013
3136	25° 46'	80° 7'	60251	GALIL CONDOMINIUM	FDEP	Class V Non-ASR	-	24	20	Biscayne	4/29/1981
3137	25° 43'	80° 16'	61813	FERRER, VAUGHN LEWIS	FDEP	Class V Non-ASR	-	24	21	Biscayne	8/2/1984
3138	25° 42'	80° 16'	61867	DAWES, W. R.	FDEP	Class V Non-ASR	-	24	22	Biscayne	8/7/1984
3139	25° 46'	80° 12'	61879	SMITH, W. W.	FDEP	Class V Non-ASR	-	24	20	Biscayne	8/7/1984
3140	25° 43'	80° 14'	61899	TREPETE, WALTER	FDEP	Class V Non-ASR	-	24	21	Biscayne	8/7/1984
3141	25° 50'	80° 11'	61118	DARYL PRODUCTS CORP.	FDEP	Class V Non-ASR	-	24	21	Biscayne	8/31/1984
3142	25° 51'	80° 7'	61141	DAVIS CAFETERIA	FDEP	Class V Non-ASR	-	24	21	Biscayne	8/31/1984
3143	25° 43'	80° 15'	61919	WENGER YACHT COMPANY	FDEP	Class V Non-ASR	-	24	21	Biscayne	8/8/1984
3144	25° 45'	80° 15'	60488	ALEXANDER CARPET COMPANY	FDEP	Class V Non-ASR	-	24	21	Biscayne	1/24/2008
3145	25° 42'	80° 17'	61243	VAUGHN,DR. JAMES	FDEP	Class V Non-ASR	-	24	21	Biscayne	9/6/1984
3146	25° 44'	80° 16'	60519	LONGO, ALVATORE	FDEP	Class V Non-ASR	-	24	18	Biscayne	7/30/1984
3147	25° 45'	80° 11'	61302	EARL V. WILSON CO.	FDEP	Class V Non-ASR	-	24	19	Biscayne	9/10/1984
3148	25° 50'	80° 15'	61378	DANELS, S.F.	FDEP	Class V Non-ASR	-	24	21	Biscayne	7/18/1984
3149	25° 54'	80° 11'	61419	FOWLER, SAMUEL L. R.	FDEP	Class V Non-ASR	-	24	20	Biscayne	7/18/1984
3150	25° 45'	80° 15'	61463	SIMON, SEYMOUR	FDEP	Class V Non-ASR	-	24	21	Biscayne	7/19/1984
3151	25° 47'	80° 12'	60792	CUNNINGHAM, C. E.	FDEP	Class V Non-ASR	-	24	21	Biscayne	8/16/1984
3152	25° 44'	80° 12'	61512	SISTERS OF ST. JOSEPH - FLORIDA	FDEP	Class V Non-ASR	-	24	20	Biscayne	7/20/1984
3153	25° 50'	80° 10'	60813	WILLIAMSON,C.L.	FDEP	Class V Non-ASR	-	24	21	Biscayne	8/16/1984
3154	25° 44'	80° 15'	60816	KERSEL,C. O.	FDEP	Class V Non-ASR	-	24	20	Biscayne	8/16/1984
3155	25° 42'	80° 15'	62381	MILGRAM, EUGENE	FDEP	Class V Non-ASR	-	24	21	Biscayne	9/21/1984
3156	25° 48'	80° 13'	60864	CENTRAL LOAN CO.	FDEP	Class V Non-ASR	-	24	21	Biscayne	8/20/1984
3157	25° 47'	80° 12'	60876	FRIEDMAN, CHARLES	FDEP	Class V Non-ASR	-	24	21	Biscayne	8/20/1984
3158	25° 49'	80° 7'	60156	IRWIN LEVINE	FDEP	Class V Non-ASR	-	24	21	Biscayne	8/29/1983
3159	25° 44'	80° 14'	63541	ISRAELITE CENTER	FDEP	Class V Non-ASR	-	24	20	Biscayne	7/11/1984
3160	25° 48'	80° 7'	62750	WALSEY, PEARL J.	FDEP	Class V Non-ASR	-	24	18	Biscayne	10/25/1984
3161	25° 45'	80° 12'	64447	MARKS, MRS. MURRAY	FDEP	Class V Non-ASR	-	24	19	Biscayne	10/31/1984
3162	25° 48'	80° 11'	63745	MARINO, JOHANNA	FDEP	Class V Non-ASR	-	24	21	Biscayne	8/1/1984
3163	25° 52'	80° 11'	63747	KLEBER, JOHN A.	FDEP	Class V Non-ASR	-	24	18	Biscayne	8/1/1984
3164	25° 50'	80° 10'	63058	LEWIN, ROBERT	FDEP	Class V Non-ASR	-	24	18	Biscayne	1/10/1992
3165	25° 41'	80° 18'	63090	LIPTON, RONALD	FDEP	Class V Non-ASR	-	24	20	Biscayne	11/28/1984
3166	25° 40'	80° 16'	64018	FOGLE, LEWIS H. JR.	FDEP	Class V Non-ASR	-	24	21	Biscayne	9/27/1984
3167	25° 44'	80° 12'	63252	TOBIN, SHERMAN	FDEP	Class V Non-ASR	-	24	21	Biscayne	1/4/1985
3168	25° 42'	80° 19'	61708	BARGER, THOMAS	FDEP	Class V Non-ASR	-	25	18	Biscayne	7/30/1984
3169	25° 51'	80° 15'	61721	TITUS MANUFACTURING CORP.	FDEP	Class V Non-ASR	-	25	0	Biscayne	7/30/1984
3170	25° 46'	80° 11'	61743	TREASURES OF THE SEA	FDEP	Class V Non-ASR	-	25	15	Biscayne	7/31/1984
3171	25° 47'	80° 13'	62532	LEACH, FRANK F.	FDEP	Class V Non-ASR	-	25	21	Biscayne	10/12/1984
3172	25° 44'	80° 15'	62555	MOORE, FRANK	FDEP	Class V Non-ASR	-	25	21	Biscayne	10/16/1984
3173	25° 43'	80° 15'	62562	TOBACK, FRANK	FDEP	Class V Non-ASR	-	25	21	Biscayne	10/16/1984
3174	25° 43'	80° 16'	62567	WATTS, FRANKIE	FDEP	Class V Non-ASR	-	25	21	Biscayne	10/16/1984
3175	25° 52'	80° 10'	61780	UNGER BUICK CO.	FDEP	Class V Non-ASR	-	25	21	Biscayne	8/1/1984
3176	25° 43'	80° 15'	61801	CLARKE, V.	FDEP	Class V Non-ASR	-	25	21	Biscayne	8/2/1984
3177	25° 46'	80° 8'	60269	MIAMI BEACH TOWNHOUSE	FDEP	Class V Non-ASR	-	25	20	Biscayne	2/1/1978
3178	25° 44'	80° 15'	61045	CORAL WAY CORPORATION	FDEP	Class V Non-ASR	-	25	24	Biscayne	8/24/1984
3179	25° 41'	80° 17'	61840	FURNAS, W. C.	FDEP	Class V Non-ASR	-	25	21	Biscayne	8/3/1984
3180	25° 40'	80° 17'	61866	VANDER WYDEN, WILLIAM P.	FDEP	Class V Non-ASR	-	25	22	Biscayne	1/17/1985
3181	25° 48'	80° 13'	61881	WEISEN, W.	FDEP	Class V Non-ASR	-	25	0	Biscayne	8/7/1984
3182	25° 49'	80° 17'	61099	SKELTON, DAN	FDEP	Class V Non-ASR	-	25	0	Biscayne	8/30/1984
3183	25° 42'	80° 15'	61120	PORTER, DAVE	FDEP	Class V Non-ASR	-	25	0	Biscayne	8/31/1984
3184	25° 51'	80° 7'	61141	DAVIS CAFETERIA	FDEP	Class V Non-ASR	-	25	21	Biscayne	8/31/1984
3185	25° 46'	80° 12'	61958	SIMMONS, WILLIAM J.	FDEP	Class V Non-ASR	-	25	22	Biscayne	8/10/1984
3186	25° 45'	80° 13'	60392	PETERSON, A. J.	FDEP	Class V Non-ASR	-	25	21	Biscayne	6/28/1984
3187	25° 45'	80° 12'	61165	DIAMOND BERK INSURANCE	FDEP	Class V Non-ASR	-	25	21	Biscayne	9/4/1984
3188	25° 44'	80° 16'	60461	BERKOWITZ, ALBE	FDEP	Class V Non-ASR	-	25	20	Biscayne	7/25/1984
3189	25° 41'	80° 18'	60463	ENGLE, ALBERT	FDEP	Class V Non-ASR	-	25	21	Biscayne	7/25/1984
3190	25° 40'	80° 16'	60489	GANCARZ, ALEXANDER	FDEP	Class V Non-ASR	-	25	21	Biscayne	7/26/1984
3191	25° 42'	80° 16'	61216	JONES, DR. THOMAS C.	FDEP	Class V Non-ASR	-	25	20	Biscayne	9/5/1984
3192	25° 45'	80° 12'	61241	SEITLIN, DR. J.	FDEP	Class V Non-ASR	-	25	21	Biscayne	9/6/1984
3193	25° 39'	80° 17'	60513	CHILDS, ALLEN	FDEP	Class V Non-ASR	-	25	21	Biscayne	7/30/1984
3194	25° 44'	80° 12'	60520	CASSEL, ALVIN	FDEP	Class V Non-ASR	-	25	21	Biscayne	7/30/1984
3195	25° 47'	80° 13'	60540	CASA, ANGELO	FDEP	Class V Non-ASR	-	25	25	Biscayne	7/30/1984
3196	25° 51'	80° 11'	61273	DYNAMIC REALTY CORPORATION	FDEP	Class V Non-ASR	-	25	18	Biscayne	9/6/1984
3197	25° 53'	80° 13'	61297	SANCHEZ, E.	FDEP	Class V Non-ASR	-	25	0	Biscayne	9/10/1984
3198	25° 44'	80° 19'	62094	GILIM, INC.	FDEP	Class V Non-ASR	-	25	21	Biscayne	11/16/1984
3199	25° 44'	80° 15'	62100	GLENN W. GOLD CORP.	FDEP	Class V Non-ASR	-	25	21	Biscayne	11/16/1984
3200	25° 38'	80° 17'	62108	GATTING, GEORGE	FDEP	Class V Non-ASR	-	25	0	Biscayne	11/16/1984
3201	25° 53'	80° 9'	60562	ARCH CREEK NURSING HOME	FDEP	Class V Non-ASR	-	25	0	Biscayne	7/31/1984
3202	25° 44'	80° 12'	61321	ADELMAN, EDWARD	FDEP	Class V Non-ASR	-	25	0	Biscayne	9/11/1984
3203	25° 44'	80° 15'	62156	ANTELL, GUNNARD	FDEP	Class V Non-ASR	-	25	21	Biscayne	9/20/1984
3204	25° 49'	80° 7'	60596	HOROWITX, ARTHUR	FDEP	Class V Non-ASR	-	25	21	Biscayne	8/1/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
3205	25° 45'	80° 15'	61381	GORDON, S. HILL (D.D.S.)	FDEP	Class V Non-ASR	-	25	23	Biscayne	7/18/1984
3206	25° 47'	80° 12'	61398	MAE, SALLIE	FDEP	Class V Non-ASR	-	25	21	Biscayne	7/18/1984
3207	25° 44'	80° 15'	62188	MCILVAIN, H. W.	FDEP	Class V Non-ASR	-	25	21	Biscayne	9/21/1984
3208	25° 42'	80° 15'	62204	BLUMBERG. HAROLD	FDEP	Class V Non-ASR	-	25	0	Biscayne	9/21/1984
3209	25° 54'	80° 9'	61427	SANDS INTL. CORP.	FDEP	Class V Non-ASR	-	25	21	Biscayne	3/4/2008
3210	25° 43'	80° 15'	62228	MAYEROWITZ, HARRY	FDEP	Class V Non-ASR	-	25	21	Biscayne	9/25/1984
3211	25° 48'	80° 13'	62236	SIZI, HARRY	FDEP	Class V Non-ASR	-	25	20	Biscayne	9/25/1984
3212	25° 45'	80° 12'	62245	LEE, HARVEY	FDEP	Class V Non-ASR	-	25	0	Biscayne	9/28/1984
3213	25° 38'	80° 18'	62256	WARNER, N. K.	FDEP	Class V Non-ASR	-	25	20	Biscayne	9/28/1984
3214	25° 43'	80° 15'	60702	FOW, BERNARD	FDEP	Class V Non-ASR	-	25	20	Biscayne	8/8/1984
3215	25° 47'	80° 7'	60707	BERT'S WOMEN'S FASHIONS	FDEP	Class V Non-ASR	-	25	21	Biscayne	8/8/1984
3216	25° 38'	80° 17'	60708	BEACH, BERTRAN	FDEP	Class V Non-ASR	-	25	20	Biscayne	8/8/1984
3217	25° 45'	80° 12'	60714	BETH DAVID CONGREGATION	FDEP	Class V Non-ASR	-	25	21	Biscayne	8/8/1984
3218	25° 48'	80° 11'	60727	SOUTHERN,BILL	FDEP	Class V Non-ASR	-	25	22	Biscayne	8/8/1984
3219	25° 54'	80° 9'	60739	BISCAYNE ARMS MOTEL	FDEP	Class V Non-ASR	-	25	20	Biscayne	8/10/1984
3220	25° 44'	80° 15'	61462	RUBIN, SEYMOUOR	FDEP	Class V Non-ASR	-	25	21	Biscayne	7/19/1984
3221	25° 51'	80° 10'	62300	GUTHRIE, NORWOOD	FDEP	Class V Non-ASR	-	25	21	Biscayne	10/9/1984
3222	25° 45'	80° 14'	60760	NELSON, BOWEN	FDEP	Class V Non-ASR	-	25	21	Biscayne	8/15/1984
3223	25° 45'	80° 15'	60784	LAHUIS, C. A.	FDEP	Class V Non-ASR	-	25	21	Biscayne	8/15/1984
3224	25° 43'	80° 16'	60791	MONROE, C. D.	FDEP	Class V Non-ASR	-	25	25	Biscayne	8/16/1984
3225	25° 46'	80° 12'	61540	DRESNICK, SOL	FDEP	Class V Non-ASR	-	25	21	Biscayne	7/20/1984
3226	25° 42'	80° 15'	60809	SAVAGE, C. J.	FDEP	Class V Non-ASR	-	25	22	Biscayne	8/16/1984
3227	25° 46'	80° 8'	60815	MORRIS, C.	FDEP	Class V Non-ASR	-	25	25	Biscayne	8/16/1984
3228	25° 41'	80° 17'	61584	ST. THOMAS EPISCOPAL CHURCH	FDEP	Class V Non-ASR	-	25	20	Biscayne	7/23/1984
3229	25° 47'	80° 7'	62378	ESSIE-RONNER DRESS	FDEP	Class V Non-ASR	-	25	0	Biscayne	9/21/1984
3230	25° 46'	80° 14'	62383	EUSTER FURN.	FDEP	Class V Non-ASR	-	25	21	Biscayne	9/21/1984
3231	25° 43'	80° 16'	62400	MCDONALD, F. H.	FDEP	Class V Non-ASR	-	25	21	Biscayne	9/24/1984
3232	25° 42'	80° 16'	62407	VEILEN, F.	FDEP	Class V Non-ASR	-	25	21	Biscayne	9/24/1984
3233	25° 40'	80° 16'	60879	KATE, CHARLES	FDEP	Class V Non-ASR	-	25	21	Biscayne	8/20/1984
3234	25° 42'	80° 15'	60883	MILLER, CHARLES	FDEP	Class V Non-ASR	-	25	25	Biscayne	8/20/1984
3235	25° 44'	80° 13'	61615	SUNNESS, STEWART	FDEP	Class V Non-ASR	-	25	22	Biscayne	7/23/1984
3236	25° 47'	80° 11'	61624	STYLE ACCESSORIES	FDEP	Class V Non-ASR	-	25	21	Biscayne	7/23/1984
3237	25° 49'	80° 12'	61631	SUN FINANCE CORPORATION	FDEP	Class V Non-ASR	-	25	21	Biscayne	7/24/1984
3238	25° 46'	80° 12'	61653	SW 1ST STREET CORPORATION	FDEP	Class V Non-ASR	-	25	22	Biscayne	7/24/1984
3239	25° 45'	80° 14'	62457	FLA PHYSICIANS SUPPLY	FDEP	Class V Non-ASR	-	25	21	Biscayne	9/28/1984
3240	25° 49'	80° 12'	60944	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	25	21	Biscayne	8/22/1984
3241	25° 50'	80° 11'	61669	KEARNS, T. K.	FDEP	Class V Non-ASR	-	25	25	Biscayne	7/25/1984
3242	25° 44'	80° 15'	61674	BUDD, T. S.	FDEP	Class V Non-ASR	-	25	0	Biscayne	7/25/1984
3243	25° 45'	80° 11'	61697	THE LINOLD CORPORATION	FDEP	Class V Non-ASR	-	25	22	Biscayne	7/25/1984
3244	25° 42'	80° 14'	63362	PINSLEY, WILLIAM G.	FDEP	Class V Non-ASR	-	25	25	Biscayne	1/17/1985
3245	25° 49'	80° 11'	64189	FASKE, MAURICE	FDEP	Class V Non-ASR	-	25	21	Biscayne	10/15/1984
3246	25° 42'	80° 16'	63399	MACK, HENRY	FDEP	Class V Non-ASR	-	25	0	Biscayne	7/5/1984
3247	25° 44'	80° 15'	64211	MCM CORPORATION	FDEP	Class V Non-ASR	-	25	21	Biscayne	10/17/1984
3248	25° 46'	80° 12'	64212	MEDICAL SUPPLY	FDEP	Class V Non-ASR	-	25	23	Biscayne	10/18/1984
3249	25° 48'	80° 14'	64215	MELROSE PROPERTY, INC.	FDEP	Class V Non-ASR	-	25	21	Biscayne	10/18/1984
3250	25° 46'	80° 13'	63461	HOME MORTGAGE CO. OF FLA.	FDEP	Class V Non-ASR	-	25	18	Biscayne	7/6/1984
3251	25° 47'	80° 12'	64272	MIA. VENT. AWNING COMPANY	FDEP	Class V Non-ASR	-	25	24	Biscayne	10/23/1984
3252	25° 46'	80° 13'	62683	OWNER UNKNOWN	FDEP	Class V Non-ASR	-	25	20	Biscayne	10/16/1984
3253	25° 53'	80° 8'	62691	OWNER UNKNOWN (EMANUEL GOLDBERG)	FDEP	Class V Non-ASR	-	25	19	Biscayne	10/16/1984
3254	25° 48'	80° 14'	62721	PARADISE BOWLING CENTER	FDEP	Class V Non-ASR	-	25	23	Biscayne	10/19/1984
3255	25° 46'	80° 11'	64318	MODEL LAND COMPANY	FDEP	Class V Non-ASR	-	25	20	Biscayne	10/24/1984
3256	25° 39'	80° 17'	64346	MOSS & SON, INC.	FDEP	Class V Non-ASR	-	25	21	Biscayne	10/26/1984
3257	25° 47'	80° 13'	62789	PLUMBERS LOCAL UNION 519	FDEP	Class V Non-ASR	-	25	21	Biscayne	10/29/1984
3258	25° 48'	80° 14'	62796	PORTER'S GRILL INC.	FDEP	Class V Non-ASR	-	25	21	Biscayne	10/29/1984
3259	25° 49'	80° 11'	64390	KOHN, MR. (CITY OF MIA.)	FDEP	Class V Non-ASR	-	25	0	Biscayne	10/29/1984
3260	25° 49'	80° 17'	62752	PENN MOTEL	FDEP	Class V Non-ASR	-	25	25	Biscayne	10/25/1984
3261	25° 46'	80° 12'	63598	LEWIS, J. R.	FDEP	Class V Non-ASR	-	25	21	Biscayne	7/12/1984
3262	25° 44'	80° 15'	64422	VANCE, C. M.	FDEP	Class V Non-ASR	-	25	18	Biscayne	10/30/1984
3263	25° 42'	80° 16'	64428	ALBURY, MRS. H. BERT	FDEP	Class V Non-ASR	-	25	20	Biscayne	10/31/1984
3264	25° 43'	80° 15'	64431	SCHNEIDER, H.	FDEP	Class V Non-ASR	-	25	0	Biscayne	10/31/1984
3265	25° 48'	80° 11'	62847	FIELD, R.E.	FDEP	Class V Non-ASR	-	25	21	Biscayne	11/13/1984
3266	25° 45'	80° 12'	62869	JAMES, R. W.	FDEP	Class V Non-ASR	-	25	21	Biscayne	11/13/1984
3267	25° 45'	80° 15'	62872	R & N CORPORATION	FDEP	Class V Non-ASR	-	25	21	Biscayne	11/14/1984
3268	25° 50'	80° 16'	63641	JACKS BARBER SHOP	FDEP	Class V Non-ASR	-	25	0	Biscayne	7/19/1984
3269	25° 42'	80° 15'	63676	JAMES I. ADKINS	FDEP	Class V Non-ASR	-	25	25	Biscayne	7/25/1984
3270	25° 51'	80° 11'	63678	JAMES JONES	FDEP	Class V Non-ASR	-	25	21	Biscayne	7/25/1984
3271	25° 45'	80° 18'	62902	REORGAN. CHURCH OF LATTER DAY STS.	FDEP	Class V Non-ASR	-	25	21	Biscayne	11/19/1984
3272	25° 43'	80° 20'	63715	NEWMAN, JEROME, SR.	FDEP	Class V Non-ASR	-	25	20	Biscayne	7/31/1984
3273	25° 46'	80° 7'	63716	RUBIN, JEROME	FDEP	Class V Non-ASR	-	25	18	Biscayne	7/31/1984
3274	25° 47'	80° 11'	63007	RITZ LIQUOR	FDEP	Class V Non-ASR	-	25	21	Biscayne	11/26/1984
3275	25° 46'	80° 13'	63012	RIVERSIDE MEMORIAL CHURCH	FDEP	Class V Non-ASR	-	25	21	Biscayne	11/26/1984
3276	25° 45'	80° 15'	63763	GOGGINS, JOHN	FDEP	Class V Non-ASR	-	25	21	Biscayne	8/7/1984
3277	25° 46'	80° 14'	63777	MURILLO, JOHN	FDEP	Class V Non-ASR	-	25	21	Biscayne	8/9/1984
3278	25° 51'	80° 10'	63816	MARTO, JOSEPH	FDEP	Class V Non-ASR	-	25	21	Biscayne	8/31/1984
3279	25° 42'	80° 15'	63042	GREINER, ROBERT G.	FDEP	Class V Non-ASR	-	25	20	Biscayne	11/27/1984
3280	25° 44'	80° 17'	63066	ROBERT S. HISTLER	FDEP	Class V Non-ASR	-	25	21	Biscayne	11/28/1984
3281	25° 43'	80° 16'	63900	HARDESTY, L. A.	FDEP	Class V Non-ASR	-	25	21	Biscayne	9/6/1984
3282	25° 43'	80° 16'	63900	HARDESTY, L. A.	FDEP	Class V Non-ASR	-	25	21	Biscayne	9/6/1984
3283	25° 45'	80° 15'	63911	HUGUELET, L. E.	FDEP	Class V Non-ASR	-	25	21	Biscayne	9/24/1984
3284	25° 45'	80° 15'	63918	BEACH, L. N.	FDEP	Class V Non-ASR	-	25	21	Biscayne	9/25/1984
3285	25° 44'	80° 15'	63932	SULLINGER, L. W.	FDEP	Class V Non-ASR	-	25	21	Biscayne	9/25/1984
3286	25° 41'	80° 18'	63197	DADELAND MEDICAL BUILDING	FDEP	Class V Non-ASR	-	25	20	Biscayne	1/2/1985
3287	25° 46'	80° 12'	63214	MAGNOLIA MOBILE HOME PARK	FDEP	Class V Non-ASR	-	25	21	Biscayne	1/29/2008
3288	25° 42'	80° 15'	63156	LOTTERMAN, LOUIS	FDEP	Class V Non-ASR	-	25	21	Biscayne	12/28/1984
3289	25° 54'	80° 9'	64027	LITHGOW FUNERAL HOME	FDEP	Class V Non-ASR	-	25	0	Biscayne	9/27/1984
3290	25° 51'	80° 12'	63243	COLONIAL PONTIAC, INC.	FDEP	Class V Non-ASR	-	25	21	Biscayne	1/3/1985
3291	25° 45'	80° 15'	64067	MENDEZ, LOUISE R.	FDEP	Class V Non-ASR	-	25	20	Biscayne	10/4/1984
3292	25° 40'	80° 16'	63287	BRENER, LAWRENCE J.	FDEP	Class V Non-ASR	-	25	21	Biscayne	1/14/1985
3293	25° 52'	80° 11'	63298	BUGG,JR. MRS. OLIVE F.	FDEP	Class V Non-ASR	-	25	20	Biscayne	1/9/1985

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
3294	25° 44'	80° 19'	63326	REINHARDT, IRIS	FDEP	Class V Non-ASR	-	25	20	Biscayne	1/29/2008
3295	25° 51'	80° 7'	64099	FELDMAN, M.	FDEP	Class V Non-ASR	-	25	24	Biscayne	10/5/1984
3296	25° 46'	80° 13'	64104	HOFFERSON, M.	FDEP	Class V Non-ASR	-	25	0	Biscayne	10/5/1984
3297	25° 50'	80° 7'	104376	RICHARD DAVID LEVY	FDEP	Class V Non-ASR	-	25	21	Biscayne	1/1/1970
3298	25° 45'	80° 15'	60962	FULLER, CLARA S.	FDEP	Class V Non-ASR	-	26	21	Biscayne	8/23/1984
3299	25° 48'	80° 12'	62645	GARDNER'S SUPERMARKET	FDEP	Class V Non-ASR	-	26	17	Biscayne	10/24/1984
3300	25° 42'	80° 16'	61128	ZANGWILL, DAVID J.	FDEP	Class V Non-ASR	-	26	22	Biscayne	8/31/1984
3301	25° 46'	80° 7'	61936	WHITEHART HOTEL	FDEP	Class V Non-ASR	-	26	18	Biscayne	8/9/1984
3302	25° 45'	80° 13'	61937	WHITTERS CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	26	22	Biscayne	8/9/1984
3303	25° 42'	80° 15'	61952	WARD, WILLIAM D.	FDEP	Class V Non-ASR	-	26	26	Biscayne	8/10/1984
3304	25° 39'	80° 17'	61953	DARTER, WILLIAM	FDEP	Class V Non-ASR	-	26	21	Biscayne	8/10/1984
3305	25° 42'	80° 16'	60501	ALFRED SANSONE, CONTRACTOR	FDEP	Class V Non-ASR	-	26	21	Biscayne	7/27/1984
3306	25° 49'	80° 11'	61316	EDGEWATER HOSPITAL	FDEP	Class V Non-ASR	-	26	23	Biscayne	9/10/1984
3307	25° 53'	80° 7'	62183	TOLTON, H.	FDEP	Class V Non-ASR	-	26	24	Biscayne	9/20/1984
3308	25° 46'	80° 11'	61452	SECURITY JEWELERS	FDEP	Class V Non-ASR	-	26	23	Biscayne	7/19/1984
3309	25° 49'	80° 11'	62217	HARRY C. SCHWEBBE & ASSOC.	FDEP	Class V Non-ASR	-	26	24	Biscayne	9/25/1984
3310	25° 52'	80° 10'	59960	NE 103 STREET (MIAMI SHORES VILLAGE)	FDEP	Class V Non-ASR	-	26	21	Biscayne	11/4/1997
3311	25° 52'	80° 10'	59960	NE 103 STREET (MIAMI SHORES VILLAGE)	FDEP	Class V Non-ASR	-	26	21	Biscayne	11/4/1997
3312	25° 48'	80° 7'	60753	BONJO REALTY CORPORATION	FDEP	Class V Non-ASR	-	26	21	Biscayne	8/10/1984
3313	25° 46'	80° 7'	62449	FLA. HILL YORK CORPORATION	FDEP	Class V Non-ASR	-	26	0	Biscayne	9/28/1984
3314	25° 44'	80° 15'	60932	CITY OF CORAL GABLES	FDEP	Class V Non-ASR	-	26	21	Biscayne	8/21/1984
3315	25° 53'	80° 7'	63371	REGENCY HALL CONDOMINIUM ASSOC.	FDEP	Class V Non-ASR	-	26	24	Biscayne	1/7/1985
3316	25° 50'	80° 11'	64234	MIAMI AIR CONDITIONING COMPANY	FDEP	Class V Non-ASR	-	26	22	Biscayne	10/22/1984
3317	25° 42'	80° 15'	63531	GOTTLIEB, IRVING J.	FDEP	Class V Non-ASR	-	26	21	Biscayne	7/9/1984
3318	25° 51'	80° 7'	63573	SINGER, J.H.	FDEP	Class V Non-ASR	-	26	21	Biscayne	7/12/1984
3319	25° 47'	80° 7'	62773	WEINMAN, PHILIP	FDEP	Class V Non-ASR	-	26	21	Biscayne	10/26/1984
3320	25° 46'	80° 11'	63760	CORRIGAN, JOHN F.	FDEP	Class V Non-ASR	-	26	26	Biscayne	8/7/1984
3321	25° 51'	80° 10'	63827	WEISS, JOSEPH	FDEP	Class V Non-ASR	-	26	20	Biscayne	8/13/1984
3322	25° 51'	80° 7'	63874	KING COLE APARTMENTS	FDEP	Class V Non-ASR	-	26	21	Biscayne	9/6/1984
3323	25° 54'	80° 11'	63983	RICE, LEO	FDEP	Class V Non-ASR	-	26	21	Biscayne	9/26/1984
3324	25° 53'	80° 9'	63253	SUTTON SQUARE APARTMENTS	FDEP	Class V Non-ASR	-	26	21	Biscayne	1/4/1985
3325	25° 43'	80° 14'	64140	VEIT, MARGARET R.	FDEP	Class V Non-ASR	-	26	0	Biscayne	10/11/1984
3326	25° 44'	80° 15'	60399	A. M. KREBLER & COMPANY	FDEP	Class V Non-ASR	-	27	21	Biscayne	7/3/1984
3327	25° 43'	80° 16'	60584	CALVERT, ART	FDEP	Class V Non-ASR	-	27	21	Biscayne	8/1/1984
3328	25° 42'	80° 20'	60624	B.E. MEYERS, INC.	FDEP	Class V Non-ASR	-	27	23	Biscayne	8/2/1984
3329	25° 42'	80° 20'	60624	B.E. MEYERS, INC.	FDEP	Class V Non-ASR	-	27	23	Biscayne	8/2/1984
3330	25° 42'	80° 15'	61362	LEVI, ELMER	FDEP	Class V Non-ASR	-	27	21	Biscayne	9/11/1984
3331	25° 50'	80° 8'	62253	NORTH BAY WHITE HOUSE	FDEP	Class V Non-ASR	-	27	21	Biscayne	9/28/1984
3332	25° 47'	80° 7'	61480	SHERITA CORPORATION	FDEP	Class V Non-ASR	-	27	25	Biscayne	7/19/1984
3333	25° 47'	80° 7'	61480	SHERITA CORPORATION	FDEP	Class V Non-ASR	-	27	25	Biscayne	7/19/1984
3334	25° 52'	80° 7'	61500	SIEGEL & ABRAMS APARTMENTS	FDEP	Class V Non-ASR	-	27	26	Biscayne	7/20/1984
3335	25° 47'	80° 7'	62446	FLA. HILL YORK CORP.	FDEP	Class V Non-ASR	-	27	0	Biscayne	9/28/1984
3336	25° 47'	80° 8'	62447	FLORIDA HILL YORK CORPORATION	FDEP	Class V Non-ASR	-	27	0	Biscayne	9/28/1984
3337	25° 49'	80° 7'	62448	FLORIDA HILL YORK CORPORATION	FDEP	Class V Non-ASR	-	27	0	Biscayne	9/28/1984
3338	25° 47'	80° 7'	62462	FLA. POWER & LIGHT	FDEP	Class V Non-ASR	-	27	23	Biscayne	9/28/1984
3339	25° 42'	80° 16'	64423	PERLMUTTER, MRS. C.	FDEP	Class V Non-ASR	-	27	23	Biscayne	10/30/1984
3340	25° 51'	80° 10'	63136	HOWE, OSMOND C., JR.	FDEP	Class V Non-ASR	-	27	27	Biscayne	12/27/1984
3341	25° 51'	80° 7'	63155	COGAN, MICHAEL A.	FDEP	Class V Non-ASR	-	27	21	Biscayne	7/21/2010
3342	25° 46'	80° 11'	64014	KORSHAK, LESTER	FDEP	Class V Non-ASR	-	27	19	Biscayne	9/27/1984
3343	25° 52'	80° 7'	64111	FISHER, M. M.	FDEP	Class V Non-ASR	-	27	21	Biscayne	10/9/1984
3344	25° 50'	80° 7'	64146	SWENSON, MARIE B.	FDEP	Class V Non-ASR	-	27	21	Biscayne	10/11/1984
3345	25° 45'	80° 15'	60961	FULLER, CLARA	FDEP	Class V Non-ASR	-	28	21	Biscayne	8/23/1984
3346	25° 45'	80° 15'	61854	MCLEOD, JR., W. J.	FDEP	Class V Non-ASR	-	28	25	Biscayne	8/7/1984
3347	25° 47'	80° 7'	62635	GAIL'S, INC.	FDEP	Class V Non-ASR	-	28	24	Biscayne	10/24/1984
3348	25° 42'	80° 17'	60301	SOUTH MIAMI HOSPITAL FOUNDATION	FDEP	Class V Non-ASR	-	28	23	Biscayne	4/2/1984
3349	25° 51'	80° 7'	61436	SCHUSTER APTARTMENTS	FDEP	Class V Non-ASR	-	28	20	Biscayne	7/19/1984
3350	25° 44'	80° 15'	60861	CATALONIA CLUB	FDEP	Class V Non-ASR	-	28	20	Biscayne	8/20/1984
3351	25° 49'	80° 8'	60189	GROSS, MAXWELL	FDEP	Class V Non-ASR	-	28	20	Biscayne	1/15/1982
3352	25° 42'	80° 16'	63331	RICHARDSON, RALPH S.	FDEP	Class V Non-ASR	-	28	21	Biscayne	1/29/2008
3353	25° 46'	80° 14'	63392	HENRY DEGRAFF AND SONS	FDEP	Class V Non-ASR	-	28	16	Biscayne	7/5/1984
3354	25° 52'	80° 10'	64263	MIAMI SHORES CITY CLUB	FDEP	Class V Non-ASR	-	28	21	Biscayne	10/23/1984
3355	25° 45'	80° 16'	62686	OWNER UNKNOWN (VERENCA INVEST. INTER.)	FDEP	Class V Non-ASR	-	28	18	Biscayne	10/16/1984
3356	25° 54'	80° 9'	64319	MODERN METAL CRAFTS	FDEP	Class V Non-ASR	-	28	23	Biscayne	10/24/1984
3357	25° 47'	80° 13'	62788	PLUMBERS LOCAL UNION 519	FDEP	Class V Non-ASR	-	28	23	Biscayne	11/14/1984
3358	25° 52'	80° 11'	64361	FELDMAN, MR.	FDEP	Class V Non-ASR	-	28	0	Biscayne	10/29/1984
3359	25° 42'	80° 15'	62774	FOLDMAN, PHILIP A.	FDEP	Class V Non-ASR	-	28	0	Biscayne	10/26/1984
3360	25° 42'	80° 15'	63669	BROWN, JAMES E.	FDEP	Class V Non-ASR	-	28	21	Biscayne	7/19/1984
3361	25° 43'	80° 16'	63902	MORRIS, L. ALLEN	FDEP	Class V Non-ASR	-	28	26	Biscayne	3/8/2012
3362	25° 47'	80° 7'	63968	SCHOEN, LEE	FDEP	Class V Non-ASR	-	28	24	Biscayne	9/26/1984
3363	25° 53'	80° 7'	63169	ALCAZAR CONDO, INC.	FDEP	Class V Non-ASR	-	28	21	Biscayne	12/27/1984
3364	25° 40'	80° 18'	64035	BENNETT, LLOYD J.	FDEP	Class V Non-ASR	-	28	21	Biscayne	9/27/1984
3365	25° 45'	80° 11'	64038	LON WORTH CROW COMPANY	FDEP	Class V Non-ASR	-	28	27	Biscayne	10/4/1984
3366	25° 47'	80° 7'	64091	BATT, M.	FDEP	Class V Non-ASR	-	28	21	Biscayne	10/5/1984
3367	25° 42'	80° 15'	61828	PARRIES, VINCENT A.	FDEP	Class V Non-ASR	-	29	26	Biscayne	8/3/1984
3368	25° 48'	80° 7'	60314	RESIDENT HOME	FDEP	Class V Non-ASR	-	29	22	Biscayne	7/12/1984
3369	25° 45'	80° 15'	61947	HALL, WILLIAM C.	FDEP	Class V Non-ASR	-	29	26	Biscayne	8/10/1984
3370	25° 47'	80° 7'	61964	KASSMAN, WILLIAM	FDEP	Class V Non-ASR	-	29	26	Biscayne	8/10/1984
3371	25° 43'	80° 14'	61985	WINN & LOVETT	FDEP	Class V Non-ASR	-	29	26	Biscayne	8/13/1984
3372	25° 45'	80° 15'	61277	SEGERT, E. C.	FDEP	Class V Non-ASR	-	29	26	Biscayne	9/6/1984
3373	25° 46'	80° 7'	61374	S & S RESTAURANT	FDEP	Class V Non-ASR	-	29	26	Biscayne	7/18/1984
3374	25° 42'	80° 16'	60666	SUNOGLU, BEHRAM KUR	FDEP	Class V Non-ASR	-	29	21	Biscayne	8/6/1984
3375	25° 49'	80° 7'	61423	RABIN, SAN	FDEP	Class V Non-ASR	-	29	18	Biscayne	7/19/1984
3376	25° 47'	80° 8'	61552	SOUTH. BELL TELEPHONE	FDEP	Class V Non-ASR	-	29	20	Biscayne	7/20/1984
3377	25° 50'	80° 10'	60813	WILLIAMSON,C.L.	FDEP	Class V Non-ASR	-	29	25	Biscayne	8/16/1984
3378	25° 48'	80° 12'	62409	SMITH, F. W.	FDEP	Class V Non-ASR	-	29	23	Biscayne	9/24/1984
3379	25° 51'	80° 7'	62507	FOOD FAIR STORES	FDEP	Class V Non-ASR	-	29	24	Biscayne	10/8/1984
3380	25° 53'	80° 7'	64153	BUTLER, MARION	FDEP	Class V Non-ASR	-	29	25	Biscayne	10/11/1984
3381	25° 54'	80° 9'	63699	JAMES WHITE	FDEP	Class V Non-ASR	-	29	24	Biscayne	7/25/1984
3382	25° 44'	80° 17'	63732	JIMMIE'S BARBER SHOP	FDEP	Class V Non-ASR	-	29	27	Biscayne	8/1/1984

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
3383	25° 49'	80° 7'	63802	CHERNER, JOSEPH	FDEP	Class V Non-ASR	-	29	24	Biscayne	8/13/1984
3384	25° 49'	80° 11'	63847	KASE FINANCE CORPORATION	FDEP	Class V Non-ASR	-	29	26	Biscayne	9/5/1984
3385	25° 42'	80° 15'	63223	CARTER, RALPH HOWARD	FDEP	Class V Non-ASR	-	29	21	Biscayne	1/3/1985
3386	25° 42'	80° 15'	61712	MAYER, THOMAS	FDEP	Class V Non-ASR	-	30	29	Biscayne	7/30/1984
3387	25° 47'	80° 8'	61717	TIE BOX, INC.	FDEP	Class V Non-ASR	-	30	25	Biscayne	7/30/1984
3388	25° 42'	80° 16'	62522	ENGLEHARDT, FRANCE	FDEP	Class V Non-ASR	-	30	19	Biscayne	10/11/1984
3389	25° 45'	80° 11'	62530	DEZELL, FRANK	FDEP	Class V Non-ASR	-	30	27	Biscayne	10/12/1984
3390	25° 44'	80° 15'	62541	FRANK KERDYK, INC.	FDEP	Class V Non-ASR	-	30	0	Biscayne	7/20/1984
3391	25° 43'	80° 17'	62569	VERDON, FRANKLYN	FDEP	Class V Non-ASR	-	30	26	Biscayne	10/16/1984
3392	25° 43'	80° 16'	62617	SMITH, G. E.	FDEP	Class V Non-ASR	-	30	20	Biscayne	10/18/1984
3393	25° 43'	80° 15'	60249	WITTLING, KAREN H.	FDEP	Class V Non-ASR	-	30	25	Biscayne	2/17/1984
3394	25° 50'	80° 7'	60262	MONES, DANIEL	FDEP	Class V Non-ASR	-	30	22	Biscayne	2/15/1983
3395	25° 39'	80° 18'	60273	BREITNER, PAUL	FDEP	Class V Non-ASR	-	30	25	Biscayne	10/26/1983
3396	25° 47'	80° 9'	60275	SCHNEIDER, MICHAEL - DILIDO ISLAND	FDEP	Class V Non-ASR	-	30	21	Biscayne	1/3/1979
3397	25° 38'	80° 17'	61003	COOL CRAFT CORPORATION	FDEP	Class V Non-ASR	-	30	30	Biscayne	8/24/1984
3398	25° 43'	80° 14'	61810	VANITY BOX BEAUTY	FDEP	Class V Non-ASR	-	30	26	Biscayne	8/2/1984
3399	25° 46'	80° 13'	61845	QUEENSBERRY, W. F.	FDEP	Class V Non-ASR	-	30	0	Biscayne	8/6/1984
3400	25° 41'	80° 16'	61856	WHEELING, W. K.	FDEP	Class V Non-ASR	-	30	0	Biscayne	8/7/1984
3401	25° 43'	80° 15'	62627	COMPTON, G. W.	FDEP	Class V Non-ASR	-	30	25	Biscayne	10/19/1984
3402	25° 45'	80° 15'	62630	GABLES TYPEWRITER COMPANY	FDEP	Class V Non-ASR	-	30	0	Biscayne	10/24/1984
3403	25° 42'	80° 15'	62650	SALZMAN, GARY	FDEP	Class V Non-ASR	-	30	0	Biscayne	10/24/1984
3404	25° 42'	80° 15'	60299	FERRER, JOSE	FDEP	Class V Non-ASR	-	30	25	Biscayne	4/27/1984
3405	25° 49'	80° 10'	60336	BOB W. YOUNG	FDEP	Class V Non-ASR	-	30	20	Biscayne	4/7/1984
3406	25° 44'	80° 12'	61072	DADE COUNTY PARKS DEPARTMENT	FDEP	Class V Non-ASR	-	30	0	Biscayne	8/30/1984
3407	25° 40'	80° 16'	61100	BRENNAN, DANIEL E.	FDEP	Class V Non-ASR	-	30	21	Biscayne	8/30/1984
3408	25° 46'	80° 7'	61102	FURMAN, DANIEL	FDEP	Class V Non-ASR	-	30	21	Biscayne	8/30/1984
3409	25° 42'	80° 16'	61137	PEENE, DAVID	FDEP	Class V Non-ASR	-	30	28	Biscayne	8/31/1984
3410	25° 49'	80° 11'	60408	WEAVER, A. V., JR.	FDEP	Class V Non-ASR	-	30	29	Biscayne	7/13/1984
3411	25° 44'	80° 12'	60414	KANNER, AARON	FDEP	Class V Non-ASR	-	30	25	Biscayne	7/17/1984
3412	25° 53'	80° 9'	60436	ADER CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	30	25	Biscayne	7/20/1984
3413	25° 50'	80° 7'	61192	MURRAY, DONALD	FDEP	Class V Non-ASR	-	30	26	Biscayne	9/4/1984
3414	25° 43'	80° 15'	61965	SIEBERT, WILLIAM L.	FDEP	Class V Non-ASR	-	30	25	Biscayne	8/13/1984
3415	25° 45'	80° 15'	61969	LYDON, WILLIAM	FDEP	Class V Non-ASR	-	30	0	Biscayne	8/13/1984
3416	25° 53'	80° 11'	61994	WINTERS-BECKER CORP.	FDEP	Class V Non-ASR	-	30	0	Biscayne	8/13/1984
3417	25° 43'	80° 15'	62008	WOMETCO THEATRES	FDEP	Class V Non-ASR	-	30	21	Biscayne	8/14/1984
3418	25° 42'	80° 17'	61225	KINSMAN, DR. CALVIN	FDEP	Class V Non-ASR	-	30	28	Biscayne	9/6/1984
3419	25° 45'	80° 12'	61229	PUSHKIN, DR. EMANUEL	FDEP	Class V Non-ASR	-	30	27	Biscayne	9/6/1984
3420	25° 43'	80° 15'	61236	EDWARDS, DR. HARRY	FDEP	Class V Non-ASR	-	30	20	Biscayne	9/6/1984
3421	25° 43'	80° 15'	61239	PORIAS, DR. J. A.	FDEP	Class V Non-ASR	-	30	25	Biscayne	9/6/1984
3422	25° 48'	80° 12'	61240	SMITH, DR. J. S.	FDEP	Class V Non-ASR	-	30	27	Biscayne	9/6/1984
3423	25° 46'	80° 11'	62024	1ST PRESBYTERIAN CHURCH	FDEP	Class V Non-ASR	-	30	23	Biscayne	8/14/1984
3424	25° 47'	80° 7'	60537	BADICK, ANDRIE J.	FDEP	Class V Non-ASR	-	30	28	Biscayne	7/30/1984
3425	25° 45'	80° 13'	61256	ROSS,DR. S.M.	FDEP	Class V Non-ASR	-	30	0	Biscayne	9/6/1984
3426	25° 45'	80° 15'	62107	GAGE, GEORGE, MD.	FDEP	Class V Non-ASR	-	30	25	Biscayne	9/18/1984
3427	25° 42'	80° 16'	60566	ARKAN BUILDERS	FDEP	Class V Non-ASR	-	30	21	Biscayne	7/31/1984
3428	25° 53'	80° 7'	61309	EASTERN CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	30	21	Biscayne	9/10/1984
3429	25° 42'	80° 14'	62138	BAKER, GRANT	FDEP	Class V Non-ASR	-	30	30	Biscayne	9/19/1984
3430	25° 47'	80° 13'	62141	GREAT SOUTHERN TRUCKING	FDEP	Class V Non-ASR	-	30	20	Biscayne	9/20/1984
3431	25° 44'	80° 13'	60622	BIELER, B.	FDEP	Class V Non-ASR	-	30	25	Biscayne	8/2/1984
3432	25° 42'	80° 15'	61355	CHALTAS,ELIZABETH	FDEP	Class V Non-ASR	-	30	20	Biscayne	9/11/1984
3433	25° 46'	80° 11'	61373	S & L CORPORATION	FDEP	Class V Non-ASR	-	30	16	Biscayne	7/18/1984
3434	25° 42'	80° 15'	61375	TAFFAE, S. B.	FDEP	Class V Non-ASR	-	30	25	Biscayne	7/18/1984
3435	25° 47'	80° 7'	62163	BARNETT, H.	FDEP	Class V Non-ASR	-	30	27	Biscayne	9/20/1984
3436	25° 42'	80° 16'	62181	STEVENS, H. L.	FDEP	Class V Non-ASR	-	30	24	Biscayne	11/16/1984
3437	25° 41	80° 9'	62199	HARBOR PLAZA CORPORATION	FDEP	Class V Non-ASR	-	30	0	Biscayne	11/16/1984
3438	25° 42'	80° 16'	62207	LEE, HAROLD	FDEP	Class V Non-ASR	-	30	0	Biscayne	9/21/1984
3439	25° 46	80° 12'	60649	BAPTIST BOOK STORE	FDEP	Class V Non-ASR	-	30	28	Biscayne	8/6/1984
3440	25° 42'	80° 14'	62224	GRAHAM, HARRY	FDEP	Class V Non-ASR	-	30	0	Biscayne	11/19/1984
3441	25° 42'	80° 15'	62233	RUTTENBERG, HARRY	FDEP	Class V Non-ASR	-	30	30	Biscayne	9/25/1984
3442	25° 43'	80° 15'	62255	REICHERT, N. J.	FDEP	Class V Non-ASR	-	30	0	Biscayne	9/28/1984
3443	25° 42'	80° 15'	60693	PELENBERG, BENJAMIN	FDEP	Class V Non-ASR	-	30	21	Biscayne	8/7/1984
3444	25° 45'	80° 12'	60721	DRESNICK, BETTY	FDEP	Class V Non-ASR	-	30	25	Biscayne	8/8/1984
3445	25° 41'	80° 17'	61495	SCHREN, SIDNEY P.	FDEP	Class V Non-ASR	-	30	0	Biscayne	7/20/1984
3446	25° 42'	80° 18'	62266	BRAVERMAN, NATHAN	FDEP	Class V Non-ASR	-	30	0	Biscayne	11/15/1984
3447	25° 47'	80° 8'	62274	HARRIS, NAT	FDEP	Class V Non-ASR	-	30	23	Biscayne	1/3/1984
3448	25° 49'	80° 11'	60787	BLAKE,C.C.	FDEP	Class V Non-ASR	-	30	0	Biscayne	8/15/1984
3449	25° 50'	80° 11'	61527	SOUTH FINANCE COMPANY	FDEP	Class V Non-ASR	-	30	28	Biscayne	7/20/1984
3450	25° 44'	80° 17'	60800	CRANDON, C. H.	FDEP	Class V Non-ASR	-	30	0	Biscayne	8/16/1984
3451	25° 49'	80° 8'	60845	SUSSKIND, CARL	FDEP	Class V Non-ASR	-	30	27	Biscayne	8/17/1984
3452	25° 50'	80° 11'	60863	CAUSEY CARPET CO.,INC.	FDEP	Class V Non-ASR	-	30	0	Biscayne	8/20/1984
3453	25° 46'	80° 13'	60866	CENTRAL PRESBYTERIAN CHURCH	FDEP	Class V Non-ASR	-	30	25	Biscayne	8/20/1984
3454	25° 42'	80° 17'	60867	CENTURY TOWERS	FDEP	Class V Non-ASR	-	30	25	Biscayne	8/20/1984
3455	25° 44'	80° 14'	60896	TOBACH, CHARLES	FDEP	Class V Non-ASR	-	30	0	Biscayne	8/20/1984
3456	25° 46'	80° 11'	62428	FERRELL JEWELRY COMPANY	FDEP	Class V Non-ASR	-	30	0	Biscayne	9/26/1984
3457	25° 47'	80° 7'	62451	FLA. HILL YORK CORP.	FDEP	Class V Non-ASR	-	30	0	Biscayne	9/28/1984
3458	25° 47'	80° 7'	60141	KINGS HOTEL	FDEP	Class V Non-ASR	-	30	21	Biscayne	12/17/1985
3459	25° 50'	80° 7'	60142	A.L. LIEBER	FDEP	Class V Non-ASR	-	30	21	Biscayne	12/18/1985
3460	25° 46'	80° 13'	60917	CHURCHHILL, INC.	FDEP	Class V Non-ASR	-	30	25	Biscayne	8/21/1984
3461	25° 47'	80° 8'	61660	WHYTE, SYLVIA	FDEP	Class V Non-ASR	-	30	25	Biscayne	7/24/1984
3462	25° 47'	80° 8'	62475	FLORIDA POWER & LIGHT	FDEP	Class V Non-ASR	-	30	18	Biscayne	10/4/1984
3463	25° 43'	80° 15'	62514	HEFINGER, FORBERT	FDEP	Class V Non-ASR	-	30	25	Biscayne	10/11/1984
3464	25° 51'	80° 8'	63346	WOLKOFF, MAXIMILIAN	FDEP	Class V Non-ASR	-	30	21	Biscayne	1/4/1985
3465	25° 40'	80° 19'	63349	WAYSIDE BAPTIST CHURCH	FDEP	Class V Non-ASR	-	30	25	Biscayne	1/16/1985
3466	25° 42'	80° 16'	63365	LAURENT, ROBERT & ELENA	FDEP	Class V Non-ASR	-	30	30	Biscayne	1/7/1985
3467	25° 46'	80° 7'	64171	SCHEYER, MARTY	FDEP	Class V Non-ASR	-	30	27	Biscayne	10/12/1984
3468	25° 44'	80° 13'	64195	JACOBSON, MAX	FDEP	Class V Non-ASR	-	30	25	Biscayne	10/15/1984
3469	25° 42'	80° 16'	63417	STEVENS, HERBERT	FDEP	Class V Non-ASR	-	30	25	Biscayne	7/6/1984
3470	25° 42'	80° 16'	64293	BRISCO, MIKE	FDEP	Class V Non-ASR	-	30	28	Biscayne	10/24/1984
3471	25° 44'	80° 13'	62676	BELLCHAMBERS, R. L.	FDEP	Class V Non-ASR	-	30	25	Biscayne	10/30/1984

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Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
3472	25° 47'	80° 8'	63499	CHABNES HYMAN	FDEP	Class V Non-ASR	-	30	0	Biscayne	7/9/1984
3473	25° 44'	80° 15'	63526	SEAMAN, IRVIN	FDEP	Class V Non-ASR	-	30	28	Biscayne	7/9/1984
3474	25° 44'	80° 12'	64322	MOMAR COMPANY	FDEP	Class V Non-ASR	-	30	25	Biscayne	10/24/1984
3475	25° 48'	80° 7'	62813	R&S LUNCHEONETTE	FDEP	Class V Non-ASR	-	30	22	Biscayne	8/16/1985
3476	25° 53'	80° 7'	63533	MARCUS, IRVING	FDEP	Class V Non-ASR	-	30	0	Biscayne	7/11/1984
3477	25° 41'	80° 16'	63563	J. D. RAMSEY CORPORATION	FDEP	Class V Non-ASR	-	30	0	Biscayne	7/11/1984
3478	25° 44'	80° 16'	64354	CARLISLE	FDEP	Class V Non-ASR	-	30	0	Biscayne	10/29/1984
3479	25° 40'	80° 16'	64379	COLLINS, MR. R. C.	FDEP	Class V Non-ASR	-	30	0	Biscayne	10/29/1984
3480	25° 41'	80° 18'	64387	CAY, MR.	FDEP	Class V Non-ASR	-	30	27	Biscayne	10/29/1984
3481	25° 44'	80° 12'	63592	KRATZ, J. M.	FDEP	Class V Non-ASR	-	30	21	Biscayne	7/12/1984
3482	25° 45'	80° 11'	63602	SPERLING, J. S.	FDEP	Class V Non-ASR	-	30	25	Biscayne	7/13/1984
3483	25° 42'	80° 14'	63631	SCHINKMAN, JACK	FDEP	Class V Non-ASR	-	30	30	Biscayne	7/13/1984
3484	25° 44'	80° 16'	64405	HEIMAN, MRS. EUGENE	FDEP	Class V Non-ASR	-	30	21	Biscayne	10/30/1984
3485	25° 42'	80° 16'	64418	MIMS, MRS. A. L., JR.	FDEP	Class V Non-ASR	-	30	25	Biscayne	10/30/1984
3486	25° 40'	80° 17'	62843	R. C. COLLINS	FDEP	Class V Non-ASR	-	30	0	Biscayne	11/13/1984
3487	25° 43'	80° 16'	64454	BASALYGA, WALTER	FDEP	Class V Non-ASR	-	30	0	Biscayne	10/31/1984
3488	25° 47'	80° 8'	62885	HOLLOWELL, RALPH	FDEP	Class V Non-ASR	-	30	0	Biscayne	11/16/1984
3489	25° 43'	80° 14'	62889	RANSOM SCHOOL, INC.	FDEP	Class V Non-ASR	-	30	25	Biscayne	11/16/1984
3490	25° 44'	80° 15'	63701	JANSEN AND HANSEN FURNITURE	FDEP	Class V Non-ASR	-	30	28	Biscayne	7/25/1984
3491	25° 43'	80° 19'	63702	KISLAK, JAY	FDEP	Class V Non-ASR	-	30	0	Biscayne	7/31/1984
3492	25° 43'	80° 16'	63733	THOMPSON, JOE C.	FDEP	Class V Non-ASR	-	30	28	Biscayne	8/1/1984
3493	25° 46'	80° 12'	63014	RIVERSIDE METHODIST CHRUCH	FDEP	Class V Non-ASR	-	30	21	Biscayne	11/26/1984
3494	25° 51'	80° 8'	63839	GETTIS , JUSTIN	FDEP	Class V Non-ASR	-	30	30	Biscayne	9/5/1984
3495	25° 42'	80° 16'	63048	GREINER, ROBERT	FDEP	Class V Non-ASR	-	30	25	Biscayne	11/27/1984
3496	25° 46'	80° 11'	63055	KUNDTZ, ROBERT	FDEP	Class V Non-ASR	-	30	0	Biscayne	11/27/1984
3497	25° 46'	80° 7'	63062	COX, ROBERT M.	FDEP	Class V Non-ASR	-	30	21	Biscayne	11/27/1984
3498	25° 45'	80° 12'	63844	BISHOPRIC, KARL	FDEP	Class V Non-ASR	-	30	25	Biscayne	9/5/1984
3499	25° 45'	80° 11'	63876	KING FUNERAL HOME	FDEP	Class V Non-ASR	-	30	21	Biscayne	9/6/1984
3500	25° 42'	80° 16'	63091	SHAFER, RONALD	FDEP	Class V Non-ASR	-	30	26	Biscayne	11/28/1984
3501	25° 43'	80° 18'	63213	MANN, A. D.	FDEP	Class V Non-ASR	-	30	25	Biscayne	1/2/1985
3502	25° 45'	80° 18'	63958	BREEDING, LAWRENCE W.	FDEP	Class V Non-ASR	-	30	20	Biscayne	9/25/1984
3503	25° 40'	80° 16'	63141	JOHNSON, LAWSON M.D.	FDEP	Class V Non-ASR	-	30	25	Biscayne	1/29/2008
3504	25° 38'	80° 17'	63143	JOHNSON, MR.	FDEP	Class V Non-ASR	-	30	25	Biscayne	12/27/1984
3505	25° 41'	80° 17'	63180	CHURCH OF THE EPIPHANY	FDEP	Class V Non-ASR	-	30	25	Biscayne	12/28/1984
3506	25° 51'	80° 13'	64000	OKEN, LEONARD	FDEP	Class V Non-ASR	-	30	0	Biscayne	9/26/1984
3507	25° 40'	80° 18'	64035	BENNETT, LLOYD J.	FDEP	Class V Non-ASR	-	30	22	Biscayne	9/27/1984
3508	25° 49'	80° 11'	63276	GILSON, GRACE M.	FDEP	Class V Non-ASR	-	30	28	Biscayne	1/29/2008
3509	25° 47'	80° 13'	64046	LOS INCAS, INC.	FDEP	Class V Non-ASR	-	30	21	Biscayne	10/4/1984
3510	25° 47'	80° 8'	64056	HAFTEL, LOUIS	FDEP	Class V Non-ASR	-	30	0	Biscayne	10/4/1984
3511	25° 42'	80° 15'	64059	LIPSCHEN, LOUIS	FDEP	Class V Non-ASR	-	30	25	Biscayne	10/4/1984
3512	25° 46'	80° 12'	63306	MIAMI LIGHTHOUSE FOR THE BLIND	FDEP	Class V Non-ASR	-	30	25	Biscayne	1/9/1985
3513	25° 43'	80° 15'	63309	GREGORY, GARY M.	FDEP	Class V Non-ASR	-	30	30	Biscayne	1/9/1985
3514	25° 43'	80° 18'	63318	PALMETTO PRESBYTERIAN CHURCH	FDEP	Class V Non-ASR	-	30	25	Biscayne	1/8/1985
3515	25° 44'	80° 15'	64114	OTHLING, M.	FDEP	Class V Non-ASR	-	30	0	Biscayne	10/9/1984
3516	25° 50'	80° 7'	64148	UPRIGHT, MARILYN	FDEP	Class V Non-ASR	-	30	27	Biscayne	10/11/1984
3517	25° 43'	80° 16'	95429	FELIPE J. PRESTAMO	FDEP	Class V Non-ASR	-	30	25	Biscayne	11/17/1978
3518	25° 48'	80° 7'	95518	ESTHER GREEN	FDEP	Class V Non-ASR	-	30	25	Biscayne	9/12/1985
3519	25° 43'	80° 15'	104309	GUY C. CARMICHAEL- COCOPLUM PARKWAY	FDEP	Class V Non-ASR	-	30	26	Biscayne	1/1/1970
3520	25° 42'	80° 17'	104326	MATT BOREK- UNIV. OF MIAMI PHYSICAL PLANT	FDEP	Class V Non-ASR	-	30	25	Biscayne	1/1/1970
3521	25° 52'	80° 10'	61753	TRIO CONSTRUCTION, INC.	FDEP	Class V Non-ASR	-	31	26	Biscayne	7/31/1984
3522	25° 48'	80° 7'	61755	TRITON HOTEL	FDEP	Class V Non-ASR	-	31	27	Biscayne	7/31/1984
3523	25° 48'	80° 8'	62570	FRANTONE BEAUTY SALON	FDEP	Class V Non-ASR	-	31	28	Biscayne	10/16/1984
3524	25° 45'	80° 12'	62579	KREEL, FRED	FDEP	Class V Non-ASR	-	31	27	Biscayne	10/18/1984
3525	25° 51'	80° 8'	60268	WAYNE MULLIGAN	FDEP	Class V Non-ASR	-	31	21	Biscayne	1/9/1984
3526	25° 48'	80° 7'	60312	BORKAN, MARTIN	FDEP	Class V Non-ASR	-	31	22	Biscayne	7/5/1984
3527	25° 42'	80° 15'	60389	GONCORZ, A. J.	FDEP	Class V Non-ASR	-	31	21	Biscayne	6/28/1984
3528	25° 43'	80° 16'	60398	FRANKLIN, A. M..	FDEP	Class V Non-ASR	-	31	25	Biscayne	7/3/1984
3529	25° 46'	80° 11'	61996	WINTERS-BECKER CORPORATION	FDEP	Class V Non-ASR	-	31	0	Biscayne	8/13/1984
3530	25° 53'	80° 9'	60497	BESADE, ALFRED F.	FDEP	Class V Non-ASR	-	31	21	Biscayne	7/27/1984
3531	25° 45'	80° 15'	61280	ROGERS, F. D.	FDEP	Class V Non-ASR	-	31	26	Biscayne	9/7/1984
3532	25° 50'	80° 11'	61360	CLUDRAY,ELLEN O.	FDEP	Class V Non-ASR	-	31	27	Biscayne	9/11/1984
3533	25° 48'	80° 7'	60752	BONJO REALTY CORPORATION	FDEP	Class V Non-ASR	-	31	24	Biscayne	8/10/1984
3534	25° 44'	80° 15'	61548	SOPHROSE PROPERTIES	FDEP	Class V Non-ASR	-	31	29	Biscayne	7/20/1984
3535	25° 42'	80° 16'	60796	SHOEMAKER, C. E.	FDEP	Class V Non-ASR	-	31	25	Biscayne	8/16/1984
3536	25° 47'	80° 7'	61622	STUART JUV. SHORE STR	FDEP	Class V Non-ASR	-	31	21	Biscayne	7/23/1984
3537	25° 47'	80° 7'	62426	FEM SHOE STORE	FDEP	Class V Non-ASR	-	31	29	Biscayne	9/26/1984
3538	25° 47'	80° 7'	62465	FLA. POWER & LIGHT	FDEP	Class V Non-ASR	-	31	21	Biscayne	9/28/1984
3539	25° 51'	80° 8'	60161	WOLKOFF, MAXIMILIAN	FDEP	Class V Non-ASR	-	31	22	Biscayne	8/26/1981
3540	25° 51'	80° 8'	60190	RICARDO ECHEVERRY	FDEP	Class V Non-ASR	-	31	23	Biscayne	11/14/1983
3541	25° 42'	80° 15'	63402	O'BERG HENRY	FDEP	Class V Non-ASR	-	31	25	Biscayne	9/11/1984
3542	25° 47'	80° 7'	64303	JACOBSON, MILTON	FDEP	Class V Non-ASR	-	31	21	Biscayne	10/24/1984
3543	25° 53'	80° 7'	62779	PIERRE, INC.	FDEP	Class V Non-ASR	-	31	22	Biscayne	10/26/1984
3544	25° 46'	80° 11'	62747	PAUL'S BOAT SUPPLY	FDEP	Class V Non-ASR	-	31	21	Biscayne	10/25/1984
3545	25° 46'	80° 11'	62907	RED TOP CAB COMPANY	FDEP	Class V Non-ASR	-	31	26	Biscayne	11/19/1984
3546	25° 51'	80° 11'	63761	GERKEN, JOHN JR.	FDEP	Class V Non-ASR	-	31	28	Biscayne	8/7/1984
3547	25° 47'	80° 11'	63061	COX, ROBERT M.	FDEP	Class V Non-ASR	-	31	0	Biscayne	11/27/1984
3548	25° 46'	80° 13'	63098	DRETSTEIN, ROSE	FDEP	Class V Non-ASR	-	31	25	Biscayne	11/28/1984
3549	25° 46'	80° 12'	64009	LESLEY CHEVROLET COMPANY	FDEP	Class V Non-ASR	-	31	25	Biscayne	9/27/1984
3550	25° 47'	80° 8'	99803	2020 ALTON, LLC	FDEP	Class V Non-ASR	-	32	28	Biscayne	9/21/2011
3551	25° 44'	80° 15'	61751	TRILLING, INC.	FDEP	Class V Non-ASR	-	32	29	Biscayne	7/31/1984
3552	25° 42'	80° 15'	61057	PEARSON, D. C.	FDEP	Class V Non-ASR	-	32	27	Biscayne	8/28/1984
3553	25° 49'	80° 7'	60348	MARC H.LESSER/HOUSE	FDEP	Class V Non-ASR	-	32	23	Biscayne	3/6/1985
3554	25° 48'	80° 13'	61945	DEICH, JR., WILLIAM C.	FDEP	Class V Non-ASR	-	32	28	Biscayne	8/10/1984
3555	25° 43'	80° 17'	61238	ROSEN, DR. HOWARD	FDEP	Class V Non-ASR	-	32	26	Biscayne	9/6/1984
3556	25° 44'	80° 15'	62019	1ST CH. OF CHRIST SC.	FDEP	Class V Non-ASR	-	32	28	Biscayne	4/30/1990
3557	25° 42'	80° 16'	61281	BUTLER, E. E., JR.	FDEP	Class V Non-ASR	-	32	21	Biscayne	9/7/1984
3558	25° 46'	80° 8'	60636	PULLEY, B. S.	FDEP	Class V Non-ASR	-	32	28	Biscayne	8/3/1984
3559	25° 47'	80° 8'	60709	MARK, BERYL	FDEP	Class V Non-ASR	-	32	0	Biscayne	8/8/1984
3560	25° 44'	80° 14'	60789	BABCOCK, C. D.	FDEP	Class V Non-ASR	-	32	31	Biscayne	8/16/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
3561	25° 48'	80° 7'	60834	CAPRI HOTEL	FDEP	Class V Non-ASR	-	32	27	Biscayne	8/17/1984
3562	25° 48'	80° 7'	61648	SURFSIDE HOTEL	FDEP	Class V Non-ASR	-	32	28	Biscayne	7/24/1984
3563	25° 44'	80° 15'	60104	C. A. PEACOCK, JR.	FDEP	Class V Non-ASR	-	32	32	Biscayne	6/29/1983
3564	25° 49'	80° 7'	63351	UGARRIZO, MERCEDES	FDEP	Class V Non-ASR	-	32	21	Biscayne	1/15/1985
3565	25° 42'	80° 16'	63418	STEVENS, HERBERT	FDEP	Class V Non-ASR	-	32	28	Biscayne	7/6/1984
3566	25° 48'	80° 13'	64287	MIAMI WATER HEATER COMPANY	FDEP	Class V Non-ASR	-	32	0	Biscayne	10/24/1984
3567	25° 44'	80° 15'	62674	JACKSON, R.	FDEP	Class V Non-ASR	-	32	28	Biscayne	10/30/1984
3568	25° 45'	80° 15'	62821	SEYMOUR, R. B.	FDEP	Class V Non-ASR	-	32	30	Biscayne	11/1/1984
3569	25° 42'	80° 15'	64438	IMMEL, MRS. JEROME	FDEP	Class V Non-ASR	-	32	25	Biscayne	10/31/1984
3570	25° 42'	80° 15'	64442	HALE, MRS. M.L.	FDEP	Class V Non-ASR	-	32	28	Biscayne	10/31/1984
3571	25° 44'	80° 15'	63671	ELLENBURG, JAMES	FDEP	Class V Non-ASR	-	32	30	Biscayne	7/19/1984
3572	25° 44'	80° 14'	62995	MILLER, RICHARD L.	FDEP	Class V Non-ASR	-	32	28	Biscayne	11/20/1984
3573	25° 45'	80° 16'	63807	DINAPOLI, JOSEPH	FDEP	Class V Non-ASR	-	32	29	Biscayne	8/13/1984
3574	25° 45'	80° 14'	64026	LITHGOW FUNERAL CTRS.	FDEP	Class V Non-ASR	-	32	30	Biscayne	9/27/1984
3575	25° 43'	80° 15'	64066	DUERR, LOUISE	FDEP	Class V Non-ASR	-	32	28	Biscayne	10/4/1984
3576	25° 50'	80° 7'	104350	RONALD BARON	FDEP	Class V Non-ASR	-	32	29	Biscayne	1/1/1970
3577	25° 44'	80° 15'	60974	NOOJL, CLINCH	FDEP	Class V Non-ASR	-	33	28	Biscayne	8/23/1984
3578	25° 50'	80° 8'	60988	COMAS CORP. APTS.	FDEP	Class V Non-ASR	-	33	30	Biscayne	8/23/1984
3579	25° 44'	80° 15'	61006	CORAL GABLES METHODIST CHURCH	FDEP	Class V Non-ASR	-	33	28	Biscayne	8/24/1984
3580	25° 42'	80° 14'	62634	HYAMS, GABRIEL M.	FDEP	Class V Non-ASR	-	33	30	Biscayne	10/24/1984
3581	25° 46'	80° 13'	61046	CORAL WAY INVESTMENT CORP.	FDEP	Class V Non-ASR	-	33	22	Biscayne	8/24/1984
3582	25° 46'	80° 12'	61104	KINDLER, DANIEL MD	FDEP	Class V Non-ASR	-	33	31	Biscayne	8/30/1984
3583	25° 41'	80° 16'	60405	GANCARZ, A. S.	FDEP	Class V Non-ASR	-	33	30	Biscayne	7/12/1984
3584	25° 43'	80° 16'	61182	SOLOMON, DON	FDEP	Class V Non-ASR	-	33	30	Biscayne	9/4/1984
3585	25° 48'	80° 11'	61322	ARNOLD,EDWARD	FDEP	Class V Non-ASR	-	33	30	Biscayne	9/11/1984
3586	25° 46'	80° 11'	61350	EL COMMODORE, INC.	FDEP	Class V Non-ASR	-	33	17	Biscayne	9/11/1984
3587	25° 43'	80° 17'	61632	SUN FINANCE CORPORATION	FDEP	Class V Non-ASR	-	33	31	Biscayne	7/24/1984
3588	25° 42'	80° 15'	62741	FURLONG, PAUL	FDEP	Class V Non-ASR	-	33	28	Biscayne	10/25/1984
3589	25° 43'	80° 16'	64426	DAVIS, MRS. D. A.	FDEP	Class V Non-ASR	-	33	25	Biscayne	10/31/1984
3590	25° 42'	80° 15'	63024	RO-MAX CORPORATION	FDEP	Class V Non-ASR	-	33	31	Biscayne	11/26/1984
3591	25° 42'	80° 14'	63798	ALTSHULER, JOSEPH	FDEP	Class V Non-ASR	-	33	32	Biscayne	8/10/1984
3592	25° 42'	80° 14'	63824	SCHEINBERG, JOSEPH	FDEP	Class V Non-ASR	-	33	31	Biscayne	8/13/1984
3593	25° 49'	80° 12'	63086	ROMAN FURNITURE SERVICE	FDEP	Class V Non-ASR	-	33	29	Biscayne	11/28/1984
3594	25° 47'	80° 17'	63148	KNIGHT, KARL	FDEP	Class V Non-ASR	-	33	30	Biscayne	12/28/1984
3595	25° 44'	80° 15'	64010	COOMBES, LESLIE	FDEP	Class V Non-ASR	-	33	26	Biscayne	9/27/1984
3596	25° 42'	80° 16'	64102	DAUM, M. H.	FDEP	Class V Non-ASR	-	33	29	Biscayne	10/5/1984
3597	25° 41'	80° 9'	62604	IVY, FULTON	FDEP	Class V Non-ASR	-	34	30	Biscayne	10/18/1984
3598	25° 42'	80° 16'	61870	SIMPSON, W.	FDEP	Class V Non-ASR	-	34	30	Biscayne	8/7/1984
3599	25° 47'	80° 7'	61906	WARREN BAKING COMPANY	FDEP	Class V Non-ASR	-	34	30	Biscayne	8/8/1984
3600	25° 47'	80° 7'	61110	TARADASH, DANIEL	FDEP	Class V Non-ASR	-	34	31	Biscayne	8/31/1984
3601	25° 47'	80° 7'	61111	TARADASH, DANIEL	FDEP	Class V Non-ASR	-	34	32	Biscayne	8/31/1984
3602	25° 47'	80° 12'	62011	WORLD WIDE LIQUOR	FDEP	Class V Non-ASR	-	34	32	Biscayne	8/14/1984
3603	25° 44'	80° 15'	62021	1ST METHODIST CHURCH	FDEP	Class V Non-ASR	-	34	28	Biscayne	8/14/1984
3604	25° 50'	80° 9'	62159	CLARK, H.A.	FDEP	Class V Non-ASR	-	34	28	Biscayne	9/20/1984
3605	25° 45'	80° 12'	60642	BAND BOX BEAUTY SALON	FDEP	Class V Non-ASR	-	34	31	Biscayne	8/3/1984
3606	25° 44'	80° 15'	61372	S & B CONSTRUCTION	FDEP	Class V Non-ASR	-	34	30	Biscayne	7/18/1984
3607	25° 48'	80° 7'	62212	POLLACK, HARRIET S.	FDEP	Class V Non-ASR	-	34	30	Biscayne	9/21/1984
3608	25° 50'	80° 10'	60659	BAYSHORE HOUSE APTS.	FDEP	Class V Non-ASR	-	34	30	Biscayne	8/6/1984
3609	25° 53'	80° 7'	62264	SEIGAL, NAT	FDEP	Class V Non-ASR	-	34	25	Biscayne	11/15/1984
3610	25° 48'	80° 15'	60746	MADSEN, BLAIR C., D.D.S.	FDEP	Class V Non-ASR	-	34	30	Biscayne	8/10/1984
3611	25° 46'	80° 13'	60770	DUNWOODY, BROOKE	FDEP	Class V Non-ASR	-	34	31	Biscayne	8/15/1984
3612	25° 44'	80° 15'	61549	SOPHROSE PROPERTIES	FDEP	Class V Non-ASR	-	34	30	Biscayne	7/20/1984
3613	25° 48'	80° 13'	60913	CHURCH OF GOD	FDEP	Class V Non-ASR	-	34	31	Biscayne	8/20/1984
3614	25° 45'	80° 12'	61694	THE FRANKLIN PRESS, INC.	FDEP	Class V Non-ASR	-	34	20	Biscayne	7/25/1984
3615	25° 47'	80° 8'	62496	LEIPZIGER , FLORENCE	FDEP	Class V Non-ASR	-	34	32	Biscayne	10/8/1984
3616	25° 45'	80° 14'	64300	BARNES, MILLIE	FDEP	Class V Non-ASR	-	34	32	Biscayne	10/24/1984
3617	25° 42'	80° 16'	62704	WYLIE, P.	FDEP	Class V Non-ASR	-	34	30	Biscayne	10/18/1984
3618	25° 48'	80° 15'	63492	HUB AMUSEMENT CORPORATION	FDEP	Class V Non-ASR	-	34	30	Biscayne	7/9/1984
3619	25° 45'	80° 15'	63507	IDEAL HOMES	FDEP	Class V Non-ASR	-	34	28	Biscayne	7/9/1984
3620	25° 49'	80° 7'	63536	COLE, IRWIN	FDEP	Class V Non-ASR	-	34	31	Biscayne	7/11/1984
3621	25° 42'	80° 15'	63551	TYDER, J. A.	FDEP	Class V Non-ASR	-	34	0	Biscayne	7/11/1984
3622	25° 47'	80° 8'	63819	JOSEPH OF GREAT. MIAMI	FDEP	Class V Non-ASR	-	34	18	Biscayne	8/13/1984
3623	25° 51'	80° 7'	63830	JR. & SIS SHOPPE	FDEP	Class V Non-ASR	-	34	28	Biscayne	8/13/1984
3624	25° 53'	80° 7'	63071	STOCK, ROBERT	FDEP	Class V Non-ASR	-	34	30	Biscayne	11/28/1984
3625	25° 44'	80° 12'	63846	KARNAT HOMES	FDEP	Class V Non-ASR	-	34	31	Biscayne	9/5/1984
3626	25° 47'	80° 11'	63094	WALKER, RONALD	FDEP	Class V Non-ASR	-	34	26	Biscayne	11/28/1984
3627	25° 42'	80° 15'	63931	ROSS, L. W.	FDEP	Class V Non-ASR	-	34	30	Biscayne	9/25/1984
3628	25° 47'	80° 8'	63953	LARUE REST. CORP.	FDEP	Class V Non-ASR	-	34	28	Biscayne	9/25/1984
3629	25° 50'	80° 11'	64004	LEONARD'S STR.	FDEP	Class V Non-ASR	-	34	32	Biscayne	9/26/1984
3630	25° 47'	80° 7'	64133	KALISH, MANNY	FDEP	Class V Non-ASR	-	34	27	Biscayne	10/11/1984
3631	25° 42'	80° 15'	61724	BARKDULL, TOM, JR.	FDEP	Class V Non-ASR	-	35	35	Biscayne	7/30/1984
3632	25° 43'	80° 14'	60949	CITY OF MIAMI WATER&SEWERS	FDEP	Class V Non-ASR	-	35	33	Biscayne	8/23/1984
3633	25° 45'	80° 15'	62610	MONROE, G. D.	FDEP	Class V Non-ASR	-	35	34	Biscayne	10/18/1984
3634	25° 49'	80° 7'	60246	STEIGER, ERWIN	FDEP	Class V Non-ASR	-	35	30	Biscayne	1/14/1983
3635	25° 43'	80° 15'	60263	DANIKOW, ELI	FDEP	Class V Non-ASR	-	35	30	Biscayne	3/28/1983
3636	25° 50'	80° 7'	60279	DATORRE, THOMAS	FDEP	Class V Non-ASR	-	35	30	Biscayne	1/11/1984
3637	25° 43'	80° 15'	61827	GAGLORDI,VINCENT	FDEP	Class V Non-ASR	-	35	30	Biscayne	8/3/1984
3638	25° 41'	80° 16'	61849	KENNEDY, W. G.	FDEP	Class V Non-ASR	-	35	30	Biscayne	8/6/1984
3639	25° 49'	80° 8'	60306	ZEROLO, MICHEL	FDEP	Class V Non-ASR	-	35	32	Biscayne	4/30/1984
3640	25° 46'	80° 11'	61067	SEROTT, D.	FDEP	Class V Non-ASR	-	35	30	Biscayne	8/28/1984
3641	25° 40'	80° 16'	61890	BREWER, WALTER	FDEP	Class V Non-ASR	-	35	30	Biscayne	8/7/1984
3642	25° 47'	80° 8'	60384	ALLARDALE, A. H.	FDEP	Class V Non-ASR	-	35	32	Biscayne	6/28/1984
3643	25° 46'	80° 11'	60395	JACKSON, A. L.	FDEP	Class V Non-ASR	-	35	21	Biscayne	7/3/1984
3644	25° 50'	80° 11'	60419	KURMAN, ABE	FDEP	Class V Non-ASR	-	35	34	Biscayne	7/18/1984
3645	25° 47'	80° 8'	61148	DEIN-BACKER, INC.	FDEP	Class V Non-ASR	-	35	0	Biscayne	9/4/1984
3646	25° 45'	80° 13'	61219	BERNSTEIN, DR. AARON	FDEP	Class V Non-ASR	-	35	34	Biscayne	9/6/1984
3647	25° 49'	80° 11'	60517	WILLIAMS, ALMA	FDEP	Class V Non-ASR	-	35	32	Biscayne	7/30/1984
3648	25° 50'	80° 7'	61288	WENDOY,E.J.	FDEP	Class V Non-ASR	-	35	0	Biscayne	9/10/1984
3649	25° 52'	80° 10'	61296	SALISBURY, E.	FDEP	Class V Non-ASR	-	35	0	Biscayne	9/10/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
3650	25° 42'	80° 15'	62074	TESSAROMATIS, GEORGE	FDEP	Class V Non-ASR	-	35	0	Biscayne	11/16/1984
3651	25° 44'	80° 15'	61333	POYET, EDWARD N.	FDEP	Class V Non-ASR	-	35	30	Biscayne	9/11/1984
3652	25° 41'	80° 16'	62149	NOETZAL, GROVER	FDEP	Class V Non-ASR	-	35	0	Biscayne	11/16/1984
3653	25° 47'	80° 11'	61389	SOUTH WILSON RENTAL AGENT	FDEP	Class V Non-ASR	-	35	34	Biscayne	7/18/1984
3654	25° 51'	80° 13'	61400	BROWN, SAM	FDEP	Class V Non-ASR	-	35	35	Biscayne	7/18/1984
3655	25° 42'	80° 15'	62176	TASHKIN, H. H.	FDEP	Class V Non-ASR	-	35	0	Biscayne	11/16/1984
3656	25° 53'	80° 7'	62197	HAMILTON'S MEN'S SHOP	FDEP	Class V Non-ASR	-	35	27	Biscayne	9/21/1984
3657	25° 42'	80° 16'	62205	BOB, HAROLD	FDEP	Class V Non-ASR	-	35	30	Biscayne	11/19/1984
3658	25° 41'	80° 17'	60644	BANK OF SOUTH MIAMI	FDEP	Class V Non-ASR	-	35	0	Biscayne	8/3/1984
3659	25° 47'	80° 8'	60660	BAYSIDE TERRACE , INC.	FDEP	Class V Non-ASR	-	35	30	Biscayne	8/6/1984
3660	25° 44'	80° 15'	61417	DORMAN, SAMUEL	FDEP	Class V Non-ASR	-	35	32	Biscayne	7/18/1984
3661	25° 41'	80° 9'	61435	SCHULER EQUIPMENT CO.	FDEP	Class V Non-ASR	-	35	27	Biscayne	7/19/1984
3662	25° 42'	80° 15'	62214	KRUEGER, HARRY A.	FDEP	Class V Non-ASR	-	35	35	Biscayne	9/21/1984
3663	25° 45'	80° 13'	62234	SCHWEBKE, HARRY	FDEP	Class V Non-ASR	-	35	30	Biscayne	11/19/1984
3664	25° 45'	80° 12'	62246	LEE, HARVEY	FDEP	Class V Non-ASR	-	35	25	Biscayne	9/28/1984
3665	25° 45'	80° 15'	60723	PANKEY, BETTY	FDEP	Class V Non-ASR	-	35	0	Biscayne	8/8/1984
3666	25° 46'	80° 11'	61457	BOSLEY, SELMA	FDEP	Class V Non-ASR	-	35	33	Biscayne	7/19/1984
3667	25° 44'	80° 12'	61498	WEINSTEIN, SIDNEY	FDEP	Class V Non-ASR	-	35	21	Biscayne	7/20/1984
3668	25° 50'	80° 11'	61516	SLOTE REALTY CORP.	FDEP	Class V Non-ASR	-	35	32	Biscayne	8/16/1985
3669	25° 53'	80° 7'	62336	OCEAN GATE MOTEL	FDEP	Class V Non-ASR	-	35	0	Biscayne	10/12/1984
3670	25° 43'	80° 16'	62361	WEISS, ELSIE	FDEP	Class V Non-ASR	-	35	35	Biscayne	9/21/1984
3671	25° 42'	80° 16'	60819	DANIELS, C. S.	FDEP	Class V Non-ASR	-	35	30	Biscayne	8/16/1984
3672	25° 45'	80° 12'	61566	SPECTOR & SONS	FDEP	Class V Non-ASR	-	35	28	Biscayne	7/20/1984
3673	25° 50'	80° 11'	62385	EVANS CORP.	FDEP	Class V Non-ASR	-	35	30	Biscayne	9/21/1984
3674	25° 48'	80° 11'	61625	STYLE RITE OPTICAL	FDEP	Class V Non-ASR	-	35	33	Biscayne	7/23/1984
3675	25° 49'	80° 7'	60160	MCCALLION, BARBARA	FDEP	Class V Non-ASR	-	35	30	Biscayne	7/30/1981
3676	25° 49'	80° 8'	60195	NANCY GOLDSTEIN	FDEP	Class V Non-ASR	-	35	30	Biscayne	7/25/1983
3677	25° 43'	80° 15'	64170	SCHWARTZ, MARTIN	FDEP	Class V Non-ASR	-	35	28	Biscayne	10/12/1984
3678	25° 44'	80° 15'	64179	SCHUH, MARY	FDEP	Class V Non-ASR	-	35	34	Biscayne	10/12/1984
3679	25° 46'	80° 11'	63401	MASON, HENRY	FDEP	Class V Non-ASR	-	35	35	Biscayne	7/5/1984
3680	25° 53'	80° 9'	63415	LOGIN, HERBERT	FDEP	Class V Non-ASR	-	35	30	Biscayne	7/6/1984
3681	25° 48'	80° 7'	63470	HOTEL INTERNATIONAL	FDEP	Class V Non-ASR	-	35	0	Biscayne	7/6/1984
3682	25° 44'	80° 17'	62688	OWNER UNKNOWN	FDEP	Class V Non-ASR	-	35	33	Biscayne	11/14/1984
3683	25° 47'	80° 11'	62720	PANDORA OF FLORIDA, INC.	FDEP	Class V Non-ASR	-	35	32	Biscayne	10/19/1984
3684	25° 48'	80° 15'	63493	HUB AMUSEMENT CORPORATION	FDEP	Class V Non-ASR	-	35	30	Biscayne	7/9/1984
3685	25° 48'	80° 15'	63494	HUB AMUSEMENT CORPORATION	FDEP	Class V Non-ASR	-	35	30	Biscayne	7/9/1984
3686	25° 50'	80° 17'	63509	IND. PLASTIC MOLDERS	FDEP	Class V Non-ASR	-	35	0	Biscayne	7/9/1984
3687	25° 50'	80° 17'	63511	IND. PLASTIC MOLDERS	FDEP	Class V Non-ASR	-	35	0	Biscayne	7/9/1984
3688	25° 42'	80° 15'	64329	RASSNER, MONTE K.	FDEP	Class V Non-ASR	-	35	30	Biscayne	10/24/1984
3689	25° 42'	80° 15'	63553	BAUCOM, J.	FDEP	Class V Non-ASR	-	35	30	Biscayne	7/11/1984
3690	25° 42'	80° 15'	63579	WICKER, J. J.	FDEP	Class V Non-ASR	-	35	28	Biscayne	7/12/1984
3691	25° 42'	80° 15'	62762	DEMITT, PETER	FDEP	Class V Non-ASR	-	35	30	Biscayne	10/26/1984
3692	25° 42'	80° 15'	63588	PAXSON, J.L.	FDEP	Class V Non-ASR	-	35	0	Biscayne	7/12/1984
3693	25° 42'	80° 16'	64420	SYKES, B. H.	FDEP	Class V Non-ASR	-	35	35	Biscayne	10/30/1984
3694	25° 48'	80° 13'	64446	ZIMIC, MRS. MICHAEL	FDEP	Class V Non-ASR	-	35	32	Biscayne	10/31/1984
3695	25° 46'	80° 11'	62855	MILLER, R. M.	FDEP	Class V Non-ASR	-	35	30	Biscayne	11/9/1984
3696	25° 46'	80° 11'	62860	SCARR, R. R.	FDEP	Class V Non-ASR	-	35	29	Biscayne	11/13/1984
3697	25° 42'	80° 15'	62891	SLOCUM, RAY E.	FDEP	Class V Non-ASR	-	35	35	Biscayne	11/16/1984
3698	25° 45'	80° 11'	62900	POSTON, RAYMOND	FDEP	Class V Non-ASR	-	35	31	Biscayne	11/19/1984
3699	25° 48'	80° 7'	63720	GOLDBERG, JERRY	FDEP	Class V Non-ASR	-	35	30	Biscayne	7/31/1984
3700	25° 46'	80° 12'	63013	RIVERSIDE METHODIST CHURCH	FDEP	Class V Non-ASR	-	35	27	Biscayne	11/26/1984
3701	25° 39'	80° 17'	63769	KERR, JOHN	FDEP	Class V Non-ASR	-	35	30	Biscayne	8/9/1984
3702	25° 46'	80° 12'	63778	SUMMERS, JOHN N.	FDEP	Class V Non-ASR	-	35	33	Biscayne	8/9/1984
3703	25° 45'	80° 15'	63875	KING COMPANY	FDEP	Class V Non-ASR	-	35	32	Biscayne	9/6/1984
3704	25° 48'	80° 11'	63081	ROBIN HOOD INN	FDEP	Class V Non-ASR	-	35	34	Biscayne	11/28/1984
3705	25° 42'	80° 15'	63087	ROMAX CORPORATION	FDEP	Class V Non-ASR	-	35	0	Biscayne	11/28/1984
3706	25° 46'	80° 13'	63095	RONNIE APARTMENT, INC.	FDEP	Class V Non-ASR	-	35	34	Biscayne	11/28/1984
3707	25° 45'	80° 14'	63107	CORBIN, ROY	FDEP	Class V Non-ASR	-	35	32	Biscayne	11/29/1984
3708	25° 44'	80° 15'	63109	PAGE, ROY	FDEP	Class V Non-ASR	-	35	34	Biscayne	11/29/1984
3709	25° 42'	80° 15'	63923	EDWARDS, I. S.	FDEP	Class V Non-ASR	-	35	30	Biscayne	9/25/1984
3710	25° 48'	80° 7'	63181	CHASE FEDERAL SAVINGS & LOAN ASSOC.	FDEP	Class V Non-ASR	-	35	31	Biscayne	12/28/1984
3711	25° 48'	80° 11'	63134	HOLY CROSS EPISCOPAL CHURCH	FDEP	Class V Non-ASR	-	35	33	Biscayne	12/27/1984
3712	25° 50'	80° 11'	64031	LITTLE RIVER LOAN	FDEP	Class V Non-ASR	-	35	33	Biscayne	9/27/1984
3713	25° 42'	80° 15'	64072	HEHER, LUCILE	FDEP	Class V Non-ASR	-	35	0	Biscayne	10/4/1984
3714	25° 43'	80° 17'	63314	NIEMOELLER, JOSEPH V.	FDEP	Class V Non-ASR	-	35	31	Biscayne	1/8/1985
3715	25° 47'	80° 8'	64131	MANLEY, INC.	FDEP	Class V Non-ASR	-	35	0	Biscayne	10/11/1984
3716	25° 42'	80° 16'	95405	PHILLIP E. MOORE	FDEP	Class V Non-ASR	-	35	30	Biscayne	8/21/1979
3717	25° 45'	80° 13'	94476	SHENANDOAH PARK	FDEP	Class V Non-ASR	-	35	30	Biscayne	1/25/2007
3718	25° 40'	80° 9'	94634	JOSE & MARIA CAJIGA	FDEP	Class V Non-ASR	-	35	32	Biscayne	9/14/2006
3719	25° 47'	80° 15'	94668	GRAPELAND WATER PARK	FDEP	Class V Non-ASR	-	35	31	Biscayne	9/5/2007
3720	25° 42'	80° 16'	94995	JAMES L. DUNCAN	FDEP	Class V Non-ASR	-	35	30	Biscayne	2/28/1980
3721	25° 51'	80° 8'	95026	WAYNE CYPEN	FDEP	Class V Non-ASR	-	35	22	Biscayne	11/13/1985
3722	25° 41'	80° 10'	94198	CHRISTIAN H. NIBBRIG	FDEP	Class V Non-ASR	-	35	31	Biscayne	5/22/2006
3723	25° 49'	80° 8'	104313	WILLIAM H. SHAW	FDEP	Class V Non-ASR	-	35	30	Biscayne	1/1/1970
3724	25° 49'	80° 7'	104332	G.D. WEINSTEIN	FDEP	Class V Non-ASR	-	35	30	Biscayne	1/1/1970
3725	25° 49'	80° 7'	60208	HOLBERT, W. C.	FDEP	Class V Non-ASR	-	36	30	Biscayne	8/11/1982
3726	25° 52'	80° 7'	60376	A. D. LEWIS CONSTRUCTION	FDEP	Class V Non-ASR	-	36	34	Biscayne	6/28/1984
3727	25° 46'	80° 11'	60431	Active LOAN COMPANY	FDEP	Class V Non-ASR	-	36	0	Biscayne	7/18/1984
3728	25° 45'	80° 13'	60438	KEYSE, ADOLPH	FDEP	Class V Non-ASR	-	36	24	Biscayne	7/20/1984
3729	25° 47'	80° 8'	60504	ALICE IRVINE SHOP	FDEP	Class V Non-ASR	-	36	31	Biscayne	7/27/1984
3730	25° 48'	80° 7'	60539	BATTEDELLI, ANGELO	FDEP	Class V Non-ASR	-	36	32	Biscayne	7/30/1984
3731	25° 51'	80° 7'	60543	ANN'S GIFT SHOPPE	FDEP	Class V Non-ASR	-	36	29	Biscayne	7/30/1984
3732	25° 49'	80° 7'	61323	GLATT, EDWARD	FDEP	Class V Non-ASR	-	36	33	Biscayne	9/11/1984
3733	25° 47'	80° 11'	61344	BAUER, EDWIN	FDEP	Class V Non-ASR	-	36	33	Biscayne	9/11/1984
3734	25° 49'	80° 12'	62157	BAILEY, GUY B.	FDEP	Class V Non-ASR	-	36	32	Biscayne	9/20/1984
3735	25° 41'	80° 9'	60665	BEEMAN-GALIN DEVELOPEMENT CORP.	FDEP	Class V Non-ASR	-	36	32	Biscayne	8/6/1984
3736	25° 48'	80° 12'	64182	WHITTMORE, MARY	FDEP	Class V Non-ASR	-	36	34	Biscayne	10/15/1984
3737	25° 51'	80° 11'	63585	ARMSTRONG, J.L.	FDEP	Class V Non-ASR	-	36	33	Biscayne	7/12/1984
3738	25° 42'	80° 15'	64437	ADAMS, MRS. J. N.	FDEP	Class V Non-ASR	-	36	31	Biscayne	10/31/1984

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
3739	25° 42'	80° 16'	64463	NEWMAN, MYRON	FDEP	Class V Non-ASR	-	36	32	Biscayne	10/31/1984
3740	25° 42'	80° 15'	63770	KITCHENS, JOHN	FDEP	Class V Non-ASR	-	36	30	Biscayne	8/9/1984
3741	25° 48'	80° 11'	63825	VESSELY, JOSEPH	FDEP	Class V Non-ASR	-	36	33	Biscayne	8/13/1984
3742	25° 49'	80° 16'	63060	COX, ROBERT M.	FDEP	Class V Non-ASR	-	36	0	Biscayne	11/27/1984
3743	25° 42'	80° 15'	63292	COVERMAN, LOUIS	FDEP	Class V Non-ASR	-	36	32	Biscayne	1/9/1985
3744	25° 47'	80° 14'	94449	UNION CHEMICALS DIVISION	FDEP	Class V Non-ASR	-	36	34	Biscayne	7/30/1984
3745	25° 47'	80° 14'	94449	UNION CHEMICALS DIVISION	FDEP	Class V Non-ASR	-	36	34	Biscayne	7/30/1984
3746	25° 47'	80° 8'	57090	LINCOLN DISTRICT IMPROVEMENTS	FDEP	Class V Non-ASR	-	37	30	Biscayne	10/2/1995
3747	25° 46'	80° 11'	60960	CITY OF MIAMI PUBLIC WATER DEPT.	FDEP	Class V Non-ASR	-	37	0	Biscayne	8/23/1984
3748	25° 44'	80° 16'	61788	UNIVERSITY BAPTIST CHURCH	FDEP	Class V Non-ASR	-	37	35	Biscayne	8/1/1984
3749	25° 44'	80° 15'	62573	BENDINGER, FRED	FDEP	Class V Non-ASR	-	37	32	Biscayne	10/18/1984
3750	25° 53'	80° 11'	61858	KLICPERA, W.	FDEP	Class V Non-ASR	-	37	32	Biscayne	8/7/1984
3751	25° 45'	80° 15'	61063	KAPLAN, D.	FDEP	Class V Non-ASR	-	37	32	Biscayne	8/28/1984
3752	25° 47'	80° 7'	61109	TARADASH, DANIEL	FDEP	Class V Non-ASR	-	37	34	Biscayne	8/31/1984
3753	25° 49'	80° 11'	61981	WILLIAMS SUPERMARKET	FDEP	Class V Non-ASR	-	37	33	Biscayne	8/13/1984
3754	25° 44'	80° 12'	60500	SANSONE, ALFRED	FDEP	Class V Non-ASR	-	37	35	Biscayne	7/27/1984
3755	25° 46'	80° 11'	60521	HOROWITZ, ALVIN	FDEP	Class V Non-ASR	-	37	35	Biscayne	7/30/1984
3756	25° 46'	80° 15'	61258	STEBBINS, DR. T. A.	FDEP	Class V Non-ASR	-	37	34	Biscayne	9/6/1984
3757	25° 53'	80° 9'	60571	RIESGO, ARMANDO	FDEP	Class V Non-ASR	-	37	32	Biscayne	7/31/1984
3758	25° 49'	80° 7'	61324	GLATT, EDWARD	FDEP	Class V Non-ASR	-	37	35	Biscayne	9/11/1984
3759	25° 47'	80° 9'	60625	DANBAUM, B.F.	FDEP	Class V Non-ASR	-	37	30	Biscayne	8/2/1984
3760	25° 48'	80° 13'	60710	BESS MEMORIAL MORTUARY	FDEP	Class V Non-ASR	-	37	35	Biscayne	8/8/1984
3761	25° 47'	80° 11'	62296	ANGEL, NORMAN S.	FDEP	Class V Non-ASR	-	37	35	Biscayne	10/8/1984
3762	25° 44'	80° 12'	62362	KATZ, ELY	FDEP	Class V Non-ASR	-	37	27	Biscayne	9/21/1984
3763	25° 45'	80° 12'	62437	FIRST RESEARCH CORPORATION	FDEP	Class V Non-ASR	-	37	0	Biscayne	9/26/1984
3764	25° 48'	80° 7'	62463	FLA. POWER &LIGHT	FDEP	Class V Non-ASR	-	37	30	Biscayne	9/28/1984
3765	25° 47'	80° 8'	61693	COTTON CORNER,THE	FDEP	Class V Non-ASR	-	37	31	Biscayne	7/25/1984
3766	25° 52'	80° 7'	64193	GREENE, MAX	FDEP	Class V Non-ASR	-	37	32	Biscayne	10/15/1984
3767	25° 45'	80° 15'	64207	MCALLISTER MENS SHOP	FDEP	Class V Non-ASR	-	37	32	Biscayne	10/17/1984
3768	25° 48'	80° 11'	64333	MOORE'S FURNITURE	FDEP	Class V Non-ASR	-	37	35	Biscayne	10/25/1984
3769	25° 48'	80° 7'	63648	JADE CORPORATION	FDEP	Class V Non-ASR	-	37	31	Biscayne	7/19/1984
3770	25° 45'	80° 14'	64020	WEAVER, LEWIS	FDEP	Class V Non-ASR	-	37	36	Biscayne	9/27/1984
3771	25° 45'	80° 15'	61736	TOWNE HOUSE	FDEP	Class V Non-ASR	-	38	37	Biscayne	7/31/1984
3772	25° 47'	80° 7'	61113	TARADASH, DANIEL	FDEP	Class V Non-ASR	-	38	36	Biscayne	8/31/1984
3773	25° 44'	80° 15'	61114	WEBER, DANIEL	FDEP	Class V Non-ASR	-	38	32	Biscayne	8/31/1984
3774	25° 43'	80° 16'	61125	GIFFEN, DAVID	FDEP	Class V Non-ASR	-	38	32	Biscayne	8/31/1984
3775	25° 46'	80° 15'	61245	WITTICH, DR. KENNETH	FDEP	Class V Non-ASR	-	38	28	Biscayne	9/6/1984
3776	25° 41'	80° 16'	61259	AIEMAN, DR. TED	FDEP	Class V Non-ASR	-	38	35	Biscayne	9/6/1984
3777	25° 48'	80° 15'	60544	ANNING JOHNSON COMPANY	FDEP	Class V Non-ASR	-	38	34	Biscayne	7/31/1984
3778	25° 45'	80° 11'	62150	GULF LIFE BUIDLING	FDEP	Class V Non-ASR	-	38	34	Biscayne	9/20/1984
3779	25° 46'	80° 11'	60621	B. B. WEBSTER COMPANY	FDEP	Class V Non-ASR	-	38	34	Biscayne	8/2/1984
3780	25° 50'	80° 11'	62244	JORGENSON, HARVEY	FDEP	Class V Non-ASR	-	38	32	Biscayne	11/19/1984
3781	25° 46'	80° 12'	60737	BISCAYNE AIR CONDITIONER	FDEP	Class V Non-ASR	-	38	31	Biscayne	8/10/1984
3782	25° 45'	80° 11'	61460	SERTEL-REDUCKA	FDEP	Class V Non-ASR	-	38	36	Biscayne	7/19/1984
3783	25° 46'	80° 12'	61630	SUN FINANCE CORPORATION	FDEP	Class V Non-ASR	-	38	32	Biscayne	7/23/1984
3784	25° 48'	80° 13'	60931	CITY MORTGAGE & LOAN	FDEP	Class V Non-ASR	-	38	34	Biscayne	8/21/1984
3785	25° 45'	80° 12'	61663	SYRIAN-LEBANON CLUB	FDEP	Class V Non-ASR	-	38	30	Biscayne	7/25/1984
3786	25° 48'	80° 7'	62477	FLORIDA POWER & LIGHT	FDEP	Class V Non-ASR	-	38	29	Biscayne	10/4/1984
3787	25° 44'	80° 14'	63347	SACKETT, W. W. JR. MD	FDEP	Class V Non-ASR	-	38	34	Biscayne	1/16/1985
3788	25° 49'	80° 11'	64164	ECKHOFF, MARTIN	FDEP	Class V Non-ASR	-	38	36	Biscayne	10/12/1984
3789	25° 40'	80° 16'	63431	ANDERSON HERMAN L.	FDEP	Class V Non-ASR	-	38	33	Biscayne	7/6/1984
3790	25° 51'	80° 7'	64292	MICKEY & MARVIN SHOP	FDEP	Class V Non-ASR	-	38	0	Biscayne	10/24/1984
3791	25° 41'	80° 9'	64384	GREENSPAN, MR. SID	FDEP	Class V Non-ASR	-	38	35	Biscayne	10/29/1984
3792	25° 46'	80° 13'	62766	DAVIDISKY, PHIL	FDEP	Class V Non-ASR	-	38	34	Biscayne	10/26/1984
3793	25° 53'	80° 11'	63616	BRODY, JACK	FDEP	Class V Non-ASR	-	38	33	Biscayne	7/13/1984
3794	25° 41'	80° 16'	64455	STREETER, MRS. W.	FDEP	Class V Non-ASR	-	38	33	Biscayne	10/31/1984
3795	25° 52'	80° 7'	64460	SILBERMAN, MURRAY	FDEP	Class V Non-ASR	-	38	35	Biscayne	10/31/1984
3796	25° 52'	80° 7'	64460	SILBERMAN, MURRAY	FDEP	Class V Non-ASR	-	38	35	Biscayne	10/31/1984
3797	25° 44'	80° 15'	62894	TAFFT, RAYMOND A.	FDEP	Class V Non-ASR	-	38	30	Biscayne	11/16/1984
3798	25° 48'	80° 15'	63724	JERRY'S RESTAURANT	FDEP	Class V Non-ASR	-	38	35	Biscayne	7/31/1984
3799	25° 43'	80° 15'	63743	JOEY'S, INCORPORATED	FDEP	Class V Non-ASR	-	38	38	Biscayne	8/1/1984
3800	25° 44'	80° 17'	63921	MAIER, L. P.	FDEP	Class V Non-ASR	-	38	35	Biscayne	9/25/1984
3801	25° 44'	80° 15'	63962	LEE OF FLORIDA	FDEP	Class V Non-ASR	-	38	34	Biscayne	9/25/1984
3802	25° 53'	80° 9'	63158	MALDAN MANOR APTS.	FDEP	Class V Non-ASR	-	38	35	Biscayne	12/28/1984
3803	25° 47'	80° 7'	64023	LINCOLN ASSOCIATES	FDEP	Class V Non-ASR	-	38	36	Biscayne	9/27/1984
3804	25° 42'	80° 15'	64045	BOWIE, LORRAINE	FDEP	Class V Non-ASR	-	38	35	Biscayne	10/4/1984
3805	25° 42'	80° 16'	63250	KATE, ELEANOR	FDEP	Class V Non-ASR	-	38	34	Biscayne	1/16/1985
3806	25° 47'	80° 11'	63270	JACK K. THOMAS, JR., TRUSTEE	FDEP	Class V Non-ASR	-	38	36	Biscayne	1/29/2008
3807	25° 42'	80° 15'	63324	PORGES, JOHN M.	FDEP	Class V Non-ASR	-	38	37	Biscayne	1/8/1985
3808	25° 42'	80° 15'	62548	KLEBBA, FRANK	FDEP	Class V Non-ASR	-	39	31	Biscayne	10/15/1984
3809	25° 48'	80° 13'	62628	G. W. ESTES	FDEP	Class V Non-ASR	-	39	32	Biscayne	10/19/1984
3810	25° 49'	80° 7'	61056	BROMBERG, D.	FDEP	Class V Non-ASR	-	39	37	Biscayne	8/28/1984
3811	25° 45'	80° 14'	61878	SACKETT, MD., W. W.	FDEP	Class V Non-ASR	-	39	34	Biscayne	8/7/1984
3812	25° 47'	80° 7'	61108	TARADASH, DANIEL	FDEP	Class V Non-ASR	-	39	35	Biscayne	8/31/1984
3813	25° 42'	80° 15'	60466	LADD, ALBERT	FDEP	Class V Non-ASR	-	39	32	Biscayne	7/25/1984
3814	25° 52'	80° 7'	62339	OCEANS CONDOMINIUM, INC.	FDEP	Class V Non-ASR	-	39	33	Biscayne	10/12/1984
3815	25° 44'	80° 15'	60821	C&G HOLDING COMPANY	FDEP	Class V Non-ASR	-	39	31	Biscayne	11/14/1984
3816	25° 52'	80° 7'	60844	PLATT, CARL	FDEP	Class V Non-ASR	-	39	34	Biscayne	8/17/1984
3817	25° 44'	80° 12'	61598	STAR CONSTRUCTION	FDEP	Class V Non-ASR	-	39	35	Biscayne	7/23/1984
3818	25° 44'	80° 16'	60889	PANKER, CHARLES	FDEP	Class V Non-ASR	-	39	36	Biscayne	8/20/1984
3819	25° 48'	80° 7'	62464	FLA. POWER & LIGHT	FDEP	Class V Non-ASR	-	39	32	Biscayne	9/28/1984
3820	25° 47'	80° 7'	62695	OWNER UNKNOWN	FDEP	Class V Non-ASR	-	39	34	Biscayne	10/16/1984
3821	25° 50'	80° 7'	64304	JACOBSON, MILTON	FDEP	Class V Non-ASR	-	39	32	Biscayne	10/24/1984
3822	25° 44'	80° 12'	63845	KARNAT HOMES	FDEP	Class V Non-ASR	-	39	35	Biscayne	9/5/1984
3823	25° 48'	80° 11'	63082	ROBINHOOD RESTAURANT	FDEP	Class V Non-ASR	-	39	33	Biscayne	11/28/1984
3824	25° 52'	80° 7'	64042	LONGWOOD TOWERS, INC.	FDEP	Class V Non-ASR	-	39	33	Biscayne	10/4/1984
3825	25° 45'	80° 17'	57207	ROGERS., CHARLES E., JR.	FDEP	Class V Non-ASR	-	40	30	Biscayne	1/30/1961
3826	25° 46'	80° 14'	61750	TRI-CITY ELECTRIC COMPANY	FDEP	Class V Non-ASR	-	40	38	Biscayne	1/15/1985
3827	25° 44'	80° 14'	62561	TOBACK, FRANK	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/14/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
3828	25° 43'	80° 15'	62566	WHITESIDE, FRANK	FDEP	Class V Non-ASR	-	40	30	Biscayne	10/16/1984
3829	25° 39'	80° 17'	62568	KERR, FRANKLIN	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/16/1984
3830	25° 46'	80° 12'	60980	COATES & DORSEY	FDEP	Class V Non-ASR	-	40	37	Biscayne	8/23/1984
3831	25° 44'	80° 19'	61760	TROPICAL PARK, INC.	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/31/1984
3832	25° 44'	80° 15'	62598	SIMON, FREDRICK H.	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/18/1984
3833	25° 44'	80° 15'	62598	SIMON, FREDRICK H.	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/18/1984
3834	25° 46'	80° 13'	62606	G.A.C. FINANCE COMPANY	FDEP	Class V Non-ASR	-	40	40	Biscayne	10/18/1984
3835	25° 41'	80° 17'	62607	CHAPMAN, G. A.	FDEP	Class V Non-ASR	-	40	35	Biscayne	10/18/1984
3836	25° 45'	80° 15'	61005	CORAL GABLES FIRST PRESBYTERIAN CH.	FDEP	Class V Non-ASR	-	40	30	Biscayne	8/24/1984
3837	25° 44'	80° 15'	61006	CORAL GABLES METHODIST CHURCH	FDEP	Class V Non-ASR	-	40	34	Biscayne	8/24/1984
3838	25° 44'	80° 15'	61007	CORAL GABLES 1ST METHODIST CHURCH	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/24/1984
3839	25° 41'	80° 9'	61026	CRANDON PALMS MOTEL	FDEP	Class V Non-ASR	-	40	33	Biscayne	8/24/1984
3840	25° 44'	80° 15'	61041	CORAL GABLES MASONIC TEMPLE	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/24/1984
3841	25° 41'	80° 9'	61818	VERNON SUNDRIES	FDEP	Class V Non-ASR	-	40	35	Biscayne	8/2/1984
3842	25° 41'	80° 16'	61842	DRIPPS, W.	FDEP	Class V Non-ASR	-	40	35	Biscayne	8/3/1984
3843	25° 43'	80° 16'	62625	BAYS, G. S.	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/19/1984
3844	25° 42'	80° 15'	62626	TOMALIN, G.	FDEP	Class V Non-ASR	-	40	40	Biscayne	10/19/1984
3845	25° 41'	80° 9'	62639	GALEN APARTMENTS	FDEP	Class V Non-ASR	-	40	33	Biscayne	10/24/1984
3846	25° 48'	80° 15'	62662	PRODUCTION FACILITY	FDEP	Class V Non-ASR	-	40	30	Biscayne	8/15/1984
3847	25° 44'	80° 16'	61047	DAVIS, CURRY W.	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/27/1984
3848	25° 49'	80° 10'	61058	FRISCHKORN, D.	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/28/1984
3849	25° 42'	80° 15'	61064	STEIN, D. L.	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/28/1984
3850	25° 53'	80° 12'	61070	HOEFLE, D. W.	FDEP	Class V Non-ASR	-	40	15	Biscayne	8/30/1984
3851	25° 47'	80° 18'	61086	DADE COUNTY PORT AUTHORITY	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/30/1984
3852	25° 46'	80° 11'	61087	DADE COUNTY SCHOOL BOARD	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/30/1984
3853	25° 46'	80° 14'	61862	PIERCE, W. M.	FDEP	Class V Non-ASR	-	40	40	Biscayne	8/7/1984
3854	25° 52'	80° 7'	61864	VREDENBURG, W. O.	FDEP	Class V Non-ASR	-	40	40	Biscayne	8/7/1984
3855	25° 46'	80° 8'	61886	WALGREENS DRUG STORE	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/7/1984
3856	25° 45'	80° 15'	61893	COMBS, WALTER H., JR.	FDEP	Class V Non-ASR	-	40	38	Biscayne	8/7/1984
3857	25° 42'	80° 16'	61898	ROSE, WALTER T.	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/7/1984
3858	25° 50'	80° 17'	61910	WATSCO, INC.	FDEP	Class V Non-ASR	-	40	0	Biscayne	1/29/2008
3859	25° 46'	80° 12'	60372	ALEJANDRE, A.	FDEP	Class V Non-ASR	-	40	35	Biscayne	6/28/1984
3860	25° 46'	80° 12'	60372	ALEJANDRE, A.	FDEP	Class V Non-ASR	-	40	35	Biscayne	6/28/1984
3861	25° 45'	80° 15'	60374	HILMER, A. C., JR.	FDEP	Class V Non-ASR	-	40	35	Biscayne	6/28/1984
3862	25° 47'	80° 11'	60377	A. D. WEISS LITHOGRAPH CO.	FDEP	Class V Non-ASR	-	40	36	Biscayne	6/28/1984
3863	25° 44'	80° 15'	61129	JORDAN, DAVID	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/31/1984
3864	25° 54'	80° 9'	61915	WEBB CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	40	38	Biscayne	8/8/1984
3865	25° 54'	80° 9'	61915	WEBB CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	40	30	Biscayne	8/8/1984
3866	25° 42'	80° 15'	61918	ARRINGTON, WENDELL P.	FDEP	Class V Non-ASR	-	40	40	Biscayne	8/8/1984
3867	25° 46'	80° 15'	61921	WESLEY METHODIST CHURCH	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/8/1984
3868	25° 51'	80° 11'	61948	HALL, C. WILLIAM	FDEP	Class V Non-ASR	-	40	37	Biscayne	8/10/1984
3869	25° 43'	80° 16'	61955	GAITHER, WILLIAM	FDEP	Class V Non-ASR	-	40	34	Biscayne	8/18/1984
3870	25° 45'	80° 19'	61957	STRECKER, WILLIAM H.	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/10/1984
3871	25° 39'	80° 17'	61960	GIBSON, WILLIAM J.	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/10/1984
3872	25° 48'	80° 11'	60402	STEELE, A. R.	FDEP	Class V Non-ASR	-	40	40	Biscayne	7/3/1984
3873	25° 47'	80° 7'	60406	HARFENIST, A. T.	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/12/1984
3874	25° 44'	80° 12'	60422	LINCH, ABRAHAM	FDEP	Class V Non-ASR	-	40	33	Biscayne	7/18/1984
3875	25° 44'	80° 14'	61163	SAUNDERS, DEXTER	FDEP	Class V Non-ASR	-	40	30	Biscayne	9/4/1984
3876	25° 47'	80° 12'	61179	DOMESTIC REFRIGERATION	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/4/1984
3877	25° 43'	80° 20'	61971	MISCHEER, WILLIAM	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/13/1984
3878	25° 44'	80° 13'	61979	WARDY, WILLIAM	FDEP	Class V Non-ASR	-	40	37	Biscayne	8/13/1984
3879	25° 44'	80° 16'	61980	WRIGHT, WILLIAM	FDEP	Class V Non-ASR	-	40	37	Biscayne	8/13/1984
3880	25° 41'	80° 9'	61982	HOLMES, WILSON H.	FDEP	Class V Non-ASR	-	40	40	Biscayne	8/13/1984
3881	25° 41'	80° 18'	61998	WITTERS CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/13/1984
3882	25° 41'	80° 9'	60464	FOX, ALBERT	FDEP	Class V Non-ASR	-	40	35	Biscayne	7/25/1984
3883	25° 44'	80° 15'	61204	ZARZEKI, C. A., DR.	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/4/1984
3884	25° 40'	80° 16'	61220	WEILAND, ARTHUR H., DR.	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/6/1984
3885	25° 44'	80° 15'	61226	BERG, DR. CHARLES	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/6/1984
3886	25° 45'	80° 15'	62015	ZAMORA JEWISH CENTER	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/14/1984
3887	25° 44'	80° 14'	62032	3677 GRAND AVE. INC.	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/14/1984
3888	25° 38'	80° 17'	62043	ALLEN, GEORGE	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/12/1984
3889	25° 49'	80° 16'	62051	DOBBS, GEORGE	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/12/1984
3890	25° 43'	80° 16'	62062	FULER, GEORGE J., CONSTRUCTION	FDEP	Class V Non-ASR	-	40	36	Biscayne	9/13/1984
3891	25° 49'	80° 10'	60491	JEPEWAY, ALEXANDER	FDEP	Class V Non-ASR	-	40	35	Biscayne	7/26/1984
3892	25° 45'	80° 12'	60502	ALGER PANKY STIGLITZ	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/27/1984
3893	25° 44'	80° 15'	60514	MOSS, ALLEN	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/30/1984
3894	25° 41'	80° 9'	60528	AMERICAN OIL COMPANY	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/30/1984
3895	25° 46'	80° 11'	60533	ANCHOR BOAT SUPPLY	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/30/1984
3896	25° 46'	80° 12'	61257	NASH, S. ROBERT, DR.	FDEP	Class V Non-ASR	-	40	40	Biscayne	9/6/1984
3897	25° 48'	80° 17'	61266	DUPONT AIR INT.,INC.	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/6/1984
3898	25° 45'	80° 15'	62080	THORPE, GEORGE W.	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/18/1984
3899	25° 43'	80° 18'	62081	THORPE, GEORGE W.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/16/1984
3900	25° 46'	80° 13'	62089	GERHARDT FUNERAL HOME	FDEP	Class V Non-ASR	-	40	24	Biscayne	9/18/1984
3901	25° 51'	80° 10'	62102	BROWN, GEORGE	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/16/1984
3902	25° 41'	80° 15'	60563	ARCHITECT & AGENT	FDEP	Class V Non-ASR	-	40	40	Biscayne	7/31/1984
3903	25° 44'	80° 14'	60575	CELLOPHANE, ARNOLD	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/1/1984
3904	25° 45'	80° 14'	61299	CULLIPHER, E. W., MD	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/10/1984
3905	25° 51'	80° 11'	61306	RADER,EARLE T.	FDEP	Class V Non-ASR	-	40	36	Biscayne	9/10/1984
3906	25° 51'	80° 11'	61315	WELLS, EDGAR Z.	FDEP	Class V Non-ASR	-	40	36	Biscayne	9/10/1984
3907	25° 41'	80° 16'	61338	ROTH, EDWARD	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/11/1984
3908	25° 47'	80° 7'	62124	GORDON PROPERTIES	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/19/1984
3909	25° 47'	80° 11'	60630	KAUFMAN, B.	FDEP	Class V Non-ASR	-	40	40	Biscayne	8/2/1984
3910	25° 43'	80° 17'	61387	RAULERSON, S. W.	FDEP	Class V Non-ASR	-	40	35	Biscayne	7/18/1984
3911	25° 50'	80° 11'	61388	S.W. SILK	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/13/1984
3912	25° 43'	80° 16'	62180	MADEAU, H. L.	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/20/1984
3913	25° 42'	80° 15'	62184	GRAHAM, H. W.	FDEP	Class V Non-ASR	-	40	40	Biscayne	11/16/1984
3914	25° 42'	80° 15'	62185	GRAHAM, H. W.	FDEP	Class V Non-ASR	-	40	40	Biscayne	11/16/1984
3915	25° 41'	80° 17'	62206	KRASNER, HAROLD	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/19/1984
3916	25° 45'	80° 12'	60656	GEITER, BART	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/6/1984

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
3917	25° 44'	80° 15'	60670	BELL ARTIST SUPPLY	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/6/1984
3918	25° 46'	80° 9'	60680	OSTROW, BEN	FDEP	Class V Non-ASR	-	40	40	Biscayne	8/7/1984
3919	25° 51'	80° 8'	60691	BELOFF,BENJAMIN	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/7/1984
3920	25° 43'	80° 16'	61432	CANTOR, SAUL	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/19/1984
3921	25° 42'	80° 15'	61439	SCOTT-STEVENS CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/19/1984
3922	25° 42'	80° 15'	61440	SCOTT-STEVENS CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/19/1984
3923	25° 42'	80° 15'	61442	SCOTT-STEVENS HOMES, INC.	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/19/1984
3924	25° 42'	80° 15'	61443	SCOTT-STEVENS, INC.	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/19/1984
3925	25° 42'	80° 15'	61444	SCOTT-STEVENS, INC.	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/19/1984
3926	25° 42'	80° 15'	62225	HARRY GRAHAM CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	40	40	Biscayne	11/19/1984
3927	25° 47'	80° 7'	62229	NEEDELMAN, HARRY	FDEP	Class V Non-ASR	-	40	36	Biscayne	9/25/1984
3928	25° 42'	80° 15'	62231	HARRY RODES, INC.	FDEP	Class V Non-ASR	-	40	40	Biscayne	11/19/1984
3929	25° 44'	80° 15'	62249	HASTA MANANA RESTAURANT	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/28/1984
3930	25° 47'	80° 9'	62263	WILLIAMS, NAT J.	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/3/1984
3931	25° 48'	80° 7'	60704	PLOTKIN, BERNARD	FDEP	Class V Non-ASR	-	40	35	Biscayne	8/8/1984
3932	25° 44'	80° 16'	60734	BING KOSSOFF CONSTRUCTION	FDEP	Class V Non-ASR	-	40	38	Biscayne	8/10/1984
3933	25° 44'	80° 14'	61483	SHIP AHOY BAR	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/19/1984
3934	25° 45'	80° 15'	62294	DEVECHT, NORMAN	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/8/1984
3935	25° 47'	80° 11'	60764	BRENNEN LITHOGRAPHING	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/15/1984
3936	25° 53'	80° 14'	61529	SOUTH INDUSTRIAL SAVING BANK	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/20/1984
3937	25° 44'	80° 14'	62343	OLD HICKORY BBQ	FDEP	Class V Non-ASR	-	40	35	Biscayne	11/15/1984
3938	25° 48'	80° 13'	62350	OPERATING ENGINEERS LOCAL UNION 487	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/15/1984
3939	25° 40'	80° 16'	60811	BEESON, C. L.	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/16/1984
3940	25° 48'	80° 13'	60836	CARE LONGER LIFE INSURANCE CO.	FDEP	Class V Non-ASR	-	40	38	Biscayne	8/17/1984
3941	25° 43'	80° 15'	60839	OPPENHEIMER, CARL	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/17/1984
3942	25° 43'	80° 16'	60841	OTTO, CARL	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/17/1984
3943	25° 46'	80° 13'	60842	PATTY, CARL	FDEP	Class V Non-ASR	-	40	34	Biscayne	8/17/1984
3944	25° 44'	80° 15'	61574	ST. JOE PAPER COMPANY	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/20/1984
3945	25° 46'	80° 12'	61577	ST. GEORGE SYRIAN ORTHODOX CHURCH	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/20/1984
3946	25° 51'	80° 8'	61585	PEARLMAN, STAN	FDEP	Class V Non-ASR	-	40	40	Biscayne	7/23/1984
3947	25° 45'	80° 14'	62372	PINDER, EMMA	FDEP	Class V Non-ASR	-	40	40	Biscayne	9/21/1984
3948	25° 45'	80° 17'	62418	LASKY, FANNY	FDEP	Class V Non-ASR	-	40	38	Biscayne	1/25/2008
3949	25° 53'	80° 7'	60849	CARL'S MARKET, INC.	FDEP	Class V Non-ASR	-	40	34	Biscayne	8/17/1984
3950	25° 43'	80° 15'	60875	SEAMAN, CHARLES F.	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/20/1984
3951	25° 51'	80° 12'	60884	MITCHELL, CHARLES	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/28/1984
3952	25° 45'	80° 12'	61621	ST. PETER & PAUL CATH. CHURCH	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/23/1984
3953	25° 43'	80° 14'	61623	STUBBS CLINIC	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/23/1984
3954	25° 42'	80° 16'	61642	SUNRISE SALE	FDEP	Class V Non-ASR	-	40	36	Biscayne	7/24/1984
3955	25° 44'	80° 15'	62419	FAR EAST CHINESE RESTAURANT	FDEP	Class V Non-ASR	-	40	38	Biscayne	9/24/1984
3956	25° 46'	80° 7'	62461	FLA. POWER & LIGHT	FDEP	Class V Non-ASR	-	40	33	Biscayne	9/28/1984
3957	25° 47'	80° 7'	62467	FLA. POWER & LIGHT	FDEP	Class V Non-ASR	-	40	30	Biscayne	9/28/1984
3958	25° 45'	80° 15'	60123	FACILITY OF C.G.W. CLUB	FDEP	Class V Non-ASR	-	40	40	Biscayne	8/25/1983
3959	25° 47'	80° 7'	60904	CHAS. EVERWARE CORP.	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/20/1984
3960	25° 43'	80° 14'	60914	CHURCH OF SAINT HUGH	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/20/1984
3961	25° 49'	80° 13'	61687	TEMPLE BETH-ENETH	FDEP	Class V Non-ASR	-	40	35	Biscayne	7/25/1984
3962	25° 51'	80° 7'	62474	FLORIDA POWER & LIGHT	FDEP	Class V Non-ASR	-	40	37	Biscayne	10/4/1984
3963	25° 43'	80° 16'	63336	SHAW, LOWELL R. AND SARA ADA	FDEP	Class V Non-ASR	-	40	0	Biscayne	1/7/1985
3964	25° 39'	80° 18'	63359	NEEDELL, STANLEY & JOAN	FDEP	Class V Non-ASR	-	40	0	Biscayne	1/17/1985
3965	25° 51'	80° 10'	63368	VAN SCIVER, ANN	FDEP	Class V Non-ASR	-	40	40	Biscayne	1/7/1985
3966	25° 49'	80° 11'	64180	FATT, MARY VESTA	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/15/1984
3967	25° 45'	80° 14'	64200	TENDRICK, MAX, D.D.S.	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/16/1984
3968	25° 45'	80° 15'	63384	HELEN HINES BEAUTY PAR.	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/5/1984
3969	25° 44'	80° 12'	63388	SOLOMON, HELEN	FDEP	Class V Non-ASR	-	40	40	Biscayne	7/5/1984
3970	25° 43'	80° 16'	63396	REESE HENRY G.	FDEP	Class V Non-ASR	-	40	35	Biscayne	7/5/1984
3971	25° 41'	80° 16'	63398	PRUITT, HENRY L.	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/5/1984
3972	25° 41'	80° 16'	63398	PRUITT, HENRY L.	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/5/1984
3973	25° 42'	80° 16'	63403	STEINLIEH, HENRY	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/5/1984
3974	25° 43'	80° 20'	63405	HENRY'S DRIVE INN, INC.	FDEP	Class V Non-ASR	-	40	30	Biscayne	7/5/1984
3975	25° 41'	80° 17'	63408	BAUMGARD HERBERT	FDEP	Class V Non-ASR	-	40	40	Biscayne	7/5/1984
3976	25° 42'	80° 16'	63413	STEVENS, HERBERT	FDEP	Class V Non-ASR	-	40	33	Biscayne	7/5/1984
3977	25° 42'	80° 16'	63420	STEVENS, HERBERT	FDEP	Class V Non-ASR	-	40	34	Biscayne	7/6/1984
3978	25° 53'	80° 7'	64221	ZUCKERMAN, MELVIN	FDEP	Class V Non-ASR	-	40	35	Biscayne	10/18/1984
3979	25° 45'	80° 15'	63433	MAGNES, HERMAN	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/6/1984
3980	25° 46'	80° 11'	63437	HERTZ RENT-A-CAR CORP.	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/6/1984
3981	25° 48'	80° 15'	63449	HILAND, LTD.	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/6/1984
3982	25° 46'	80° 12'	63459	HOLY COMFORTER EPISCOPAL CHURCH	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/6/1984
3983	25° 46'	80° 12'	63473	HOUSER INVESTMENT CORPORATION	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/6/1984
3984	25° 45'	80° 12'	64259	MIAMI SEAL, CERT. & STAMP COMPANY	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/23/1984
3985	25° 49'	80° 18'	64268	MIAMI SPRINGS OPTIMIST CLUB	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/23/1984
3986	25° 48'	80° 16'	64284	MIAMI SPGS. VILLA	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/24/1984
3987	25° 44'	80° 15'	64295	ROTHIN, MIKE	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/24/1984
3988	25° 52'	80° 7'	62679	OTIS MOTEL & APARTMENTS	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/15/1984
3989	25° 43'	80° 15'	62700	GORDON, P.	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/16/1984
3990	25° 42'	80° 15'	63500	GAY, HYMAN	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/9/1984
3991	25° 41'	80° 16'	63501	MUSCAT, I. E.	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/9/1984
3992	25° 41'	80° 9'	63502	EDELSTEIN, I.	FDEP	Class V Non-ASR	-	40	35	Biscayne	7/9/1984
3993	25° 51'	80° 7'	63504	EVER, I. H.	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/9/1984
3994	25° 50'	80° 18'	63514	INGELSIDE BAPTIST CHURCH	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/9/1984
3995	25° 42'	80° 15'	63524	NAYLOR, IRVIN	FDEP	Class V Non-ASR	-	40	35	Biscayne	7/9/1984
3996	25° 41'	80° 18'	64321	MODERNAGE, INC.	FDEP	Class V Non-ASR	-	40	35	Biscayne	10/24/1984
3997	25° 47'	80° 11'	64349	GOLDEN, MR. A.	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/26/1984
3998	25° 46'	80° 12'	62776	PHILLIPS HARDWARE COMPANY	FDEP	Class V Non-ASR	-	40	40	Biscayne	1/4/1985
3999	25° 49'	80° 7'	62810	SANDLER, QUENTIN H.	FDEP	Class V Non-ASR	-	40	40	Biscayne	10/30/1984
4000	25° 44'	80° 13'	63532	KATZ, IRVING	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/11/1984
4001	25° 52'	80° 11'	63534	PERESTOCK, IRVING	FDEP	Class V Non-ASR	-	40	38	Biscayne	7/11/1984
4002	25° 46'	80° 13'	63535	CARS, IRWIN	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/11/1984
4003	25° 43'	80° 15'	63554	BAUM, J.	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/11/1984
4004	25° 45'	80° 15'	64358	ROGERS, MR. ED.	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/29/1984
4005	25° 42'	80° 16'	64374	FRIEDMAN, MR. L.	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/29/1984

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
4006	25° 45'	80° 15'	64375	LEVIN, MARVIN	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/29/1984
4007	25° 44'	80° 13'	64383	JORDAN, MR. S.	FDEP	Class V Non-ASR	-	40	30	Biscayne	10/29/1984
4008	25° 51'	80° 10'	64391	WHITE, MR. L.	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/29/1984
4009	25° 44'	80° 16'	62733	GILMORE, PATRICK	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/19/1984
4010	25° 44'	80° 15'	62748	GRUNDWARE, PAULINE S.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/14/1984
4011	25° 43'	80° 16'	63583	KOMARIK, J.	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/12/1984
4012	25° 45'	80° 16'	63604	SCHNEIDER, J.	FDEP	Class V Non-ASR	-	40	37	Biscayne	7/13/1984
4013	25° 48'	80° 7'	63610	STEWART, J.W.	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/13/1984
4014	25° 48'	80° 7'	63627	LINDENBAUM, JACK	FDEP	Class V Non-ASR	-	40	0	Biscayne	7/13/1984
4015	25° 44'	80° 13'	64408	BASSETT, MRS. M.P.	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/30/1984
4016	25° 42'	80° 15'	64413	FREMAN, MRS. PHYLLIS	FDEP	Class V Non-ASR	-	40	40	Biscayne	10/30/1984
4017	25° 44'	80° 15'	64433	WOHLBEIR, H.	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/31/1984
4018	25° 50'	80° 7'	64439	GALBREATH, MRS. JOHN	FDEP	Class V Non-ASR	-	40	40	Biscayne	10/31/1984
4019	25° 44'	80° 13'	64444	BASSETT, MRS. M.P.	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/31/1984
4020	25° 39'	80° 18'	62827	COLLINS, R. C.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/5/1984
4021	25° 39'	80° 18'	62828	COLLINS, R. C.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/5/1984
4022	25° 45'	80° 18'	62829	COLLINS, R. C.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/5/1984
4023	25° 39'	80° 18'	62830	COLLINS, R. C.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/5/1984
4024	25° 39'	80° 18'	62831	COLLINS, R. C.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/5/1984
4025	25° 41'	80° 16'	62832	COLLINS, R. C.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/5/1984
4026	25° 40'	80° 16'	62833	COLLINS, R. C.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/5/1984
4027	25° 40'	80° 16'	62840	R. C. COLLINS	FDEP	Class V Non-ASR	-	40	40	Biscayne	11/13/1984
4028	25° 45'	80° 16'	62848	GALLAGHER, R. E.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/6/1984
4029	25° 51'	80° 11'	62851	BAXOEN, R. EDWARD	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/13/1984
4030	25° 45'	80° 16'	62858	NICHOLSON, R. R.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/9/1984
4031	25° 41'	80° 16'	62863	FELDMAN, R. S.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/13/1984
4032	25° 45'	80° 15'	62866	TUTAN, R.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/13/1984
4033	25° 44'	80° 16'	62873	ITGKUBG, R. C.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/14/1984
4034	25° 47'	80° 12'	63636	SOMBERG, JACK	FDEP	Class V Non-ASR	-	40	21	Biscayne	7/19/1984
4035	25° 51'	80° 8'	63640	JACK AND JILL MOTED	FDEP	Class V Non-ASR	-	40	35	Biscayne	7/19/1984
4036	25° 41'	80° 9'	63652	HARTNEY, JAMES A.	FDEP	Class V Non-ASR	-	40	40	Biscayne	7/19/1984
4037	25° 41'	80° 9'	63663	HARTNEY, JAMES A.	FDEP	Class V Non-ASR	-	40	35	Biscayne	7/19/1984
4038	25° 41'	80° 16'	62887	TURNER, RALPH	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/16/1984
4039	25° 43'	80° 17'	63730	JEWETT, JIM, MD	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/1/1984
4040	25° 41'	80° 9'	62985	BASKER, RICHARD	FDEP	Class V Non-ASR	-	40	35	Biscayne	11/19/1984
4041	25° 45'	80° 13'	62997	REYNOLDS, RICHARD M.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/20/1984
4042	25° 45'	80° 15'	63020	RIX, INC.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/26/1984
4043	25° 41'	80° 17'	63736	SOLOMON, JOE	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/1/1984
4044	25° 45'	80° 17'	63759	DRAIN, JOHN	FDEP	Class V Non-ASR	-	40	0	Biscayne	8/7/1984
4045	25° 44'	80° 16'	63776	MOBLEY, JOHN	FDEP	Class V Non-ASR	-	40	40	Biscayne	8/9/1984
4046	25° 40'	80° 16'	63779	POPENOE, JOHN	FDEP	Class V Non-ASR	-	40	35	Biscayne	8/9/1984
4047	25° 49'	80° 11'	63783	JOHN SAXON, INC.	FDEP	Class V Non-ASR	-	40	34	Biscayne	8/9/1984
4048	25° 47'	80° 11'	62973	ARAKELIAN, REV. LEON	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/19/1984
4049	25° 44'	80° 13'	63800	TORPHY, JOSEPH B.	FDEP	Class V Non-ASR	-	40	38	Biscayne	8/10/1984
4050	25° 42'	80° 15'	63836	GROSS, JULIUS	FDEP	Class V Non-ASR	-	40	40	Biscayne	9/5/1984
4051	25° 44'	80° 12'	63069	SHORR, ROBERT	FDEP	Class V Non-ASR	-	40	30	Biscayne	11/28/1984
4052	25° 47'	80° 11'	63079	ROBERTSON MEMORIAL CHURCH	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/28/1984
4053	25° 43'	80° 14'	63871	KEY MOTEL	FDEP	Class V Non-ASR	-	40	30	Biscayne	9/6/1984
4054	25° 47'	80° 8'	65354	HOME SAVINGS OF AMERICA-ALTON ROAD	FDEP	Class V Non-ASR	-	40	30	Biscayne	10/30/1986
4055	25° 47'	80° 12'	63099	ROSE-SAXON LUMBER	FDEP	Class V Non-ASR	-	40	36	Biscayne	11/28/1984
4056	25° 40'	80° 16'	63103	ROVIN CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	40	40	Biscayne	11/28/1984
4057	25° 40'	80° 16'	63105	ROVIN CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	40	40	Biscayne	11/28/1984
4058	25° 46'	80° 12'	63111	ROYAL BAKERY	FDEP	Class V Non-ASR	-	40	35	Biscayne	11/29/1984
4059	25° 42'	80° 16'	63129	KLISE, RUSSELL W.	FDEP	Class V Non-ASR	-	40	0	Biscayne	11/29/1984
4060	25° 44'	80° 13'	63898	ROWE, L.	FDEP	Class V Non-ASR	-	40	38	Biscayne	9/6/1984
4061	25° 45'	80° 15'	63909	HUGUELET, L. E.	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/24/1984
4062	25° 46'	80° 14'	63912	KOEHLER, L. E.	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/25/1984
4063	25° 48'	80° 13'	63192	ALLAPATTAH STATIONERS, INC.	FDEP	Class V Non-ASR	-	40	36	Biscayne	12/28/1984
4064	25° 41'	80° 16'	63207	MILLER, DAVID F.	FDEP	Class V Non-ASR	-	40	40	Biscayne	1/29/2008
4065	25° 44'	80° 13'	63218	LEIDEL, DAVID	FDEP	Class V Non-ASR	-	40	25	Biscayne	1/3/1985
4066	25° 48'	80° 7'	63224	GREENBERG, GERALD	FDEP	Class V Non-ASR	-	40	35	Biscayne	1/3/1985
4067	25° 45'	80° 15'	63952	LARSON & BRAMBLETT	FDEP	Class V Non-ASR	-	40	0	Biscayne	9/25/1984
4068	25° 53'	80° 7'	63986	CLEANE, LEON	FDEP	Class V Non-ASR	-	40	32	Biscayne	9/26/1984
4069	25° 47'	80° 15'	63142	JONES & SCULLY, INC.	FDEP	Class V Non-ASR	-	40	10	Biscayne	1/30/2008
4070	25° 42'	80° 16'	63153	LEWIS, R. F.	FDEP	Class V Non-ASR	-	40	40	Biscayne	1/29/2008
4071	25° 46'	80° 8'	63161	MERIDIAN GARDENS	FDEP	Class V Non-ASR	-	40	35	Biscayne	12/28/1984
4072	25° 45'	80° 15'	63162	ATKINSON, ROSE	FDEP	Class V Non-ASR	-	40	0	Biscayne	1/29/2008
4073	25° 42'	80° 16'	63171	BINGHAM, C. R.	FDEP	Class V Non-ASR	-	40	38	Biscayne	12/27/1984
4074	25° 42'	80° 16'	64043	DITTUS, LORETTA	FDEP	Class V Non-ASR	-	40	30	Biscayne	10/4/1984
4075	25° 44'	80° 16'	63231	ISSENBURG, DAVID	FDEP	Class V Non-ASR	-	40	40	Biscayne	1/3/1985
4076	25° 44'	80° 15'	63245	CORAL GABLES LEARNING CENTER	FDEP	Class V Non-ASR	-	40	0	Biscayne	1/4/1985
4077	25° 44'	80° 16'	63257	ST. THERESA SCHOOL-ARCHDIO. MIAMI	FDEP	Class V Non-ASR	-	40	0	Biscayne	1/4/1985
4078	25° 45'	80° 14'	63258	ST. MATTHEWS LUTHERAN CHURCH	FDEP	Class V Non-ASR	-	40	0	Biscayne	1/4/1985
4079	25° 42'	80° 16'	63266	PUNDT, ROBERT J.	FDEP	Class V Non-ASR	-	40	30	Biscayne	12/19/1985
4080	25° 44'	80° 17'	63267	PETERS, GLORIA	FDEP	Class V Non-ASR	-	40	0	Biscayne	1/4/1985
4081	25° 39'	80° 17'	63277	MITCHELL, R. M., JR.	FDEP	Class V Non-ASR	-	40	31	Biscayne	1/15/1985
4082	25° 48'	80° 11'	64095	FUTCH, M.D.	FDEP	Class V Non-ASR	-	40	36	Biscayne	10/5/1984
4083	25° 42'	80° 15'	63284	BRIGGS, NANCY K.	FDEP	Class V Non-ASR	-	40	0	Biscayne	1/14/1985
4084	25° 39'	80° 18'	63291	DIMITRY, ALMA	FDEP	Class V Non-ASR	-	40	0	Biscayne	1/29/2000
4085	25° 48'	80° 11'	63301	DOWN TO EARTH OF MIAMI, INC.	FDEP	Class V Non-ASR	-	40	36	Biscayne	1/9/1985
4086	25° 43'	80° 16'	63305	FINE, HENRY	FDEP	Class V Non-ASR	-	40	0	Biscayne	1/9/1985
4087	25° 39'	80° 18'	63320	PARSONS, EDWARD G.	FDEP	Class V Non-ASR	-	40	0	Biscayne	1/8/1985
4088	25° 44'	80° 14'	64120	MACKLE COMPANY, INC.	FDEP	Class V Non-ASR	-	40	0	Biscayne	10/9/1984
4089	25° 46'	80° 15'	64142	TADDONIC, MARGARET	FDEP	Class V Non-ASR	-	40	39	Biscayne	10/11/1984
4090	25° 48'	80° 7'	91393	ALDEN HOTEL	FDEP	Class V Non-ASR	-	40	33	Biscayne	1/10/2004
4091	25° 41'	80° 9'	94738	JOSEPH L. POLLIO	FDEP	Class V Non-ASR	-	40	37	Biscayne	6/6/2007
4092	25° 49'	80° 7'	94979	MARTIN BRODSKY	FDEP	Class V Non-ASR	-	40	40	Biscayne	12/18/1978
4093	25° 47'	80° 7'	95349	SHARON HOTEL	FDEP	Class V Non-ASR	-	40	35	Biscayne	8/17/1979
4094	25° 48'	80° 8'	104337	M. WALDMAN	FDEP	Class V Non-ASR	-	40	35	Biscayne	1/1/1970

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
4095	25° 50'	80° 7'	104346	GEORGE SALLY	FDEP	Class V Non-ASR	-	40	35	Biscayne	1/1/1970
4096	25° 42'	80° 16'	62551	LUBIEN, FRANK	FDEP	Class V Non-ASR	-	41	38	Biscayne	10/16/1984
4097	25° 45'	80° 13'	61808	ORSDAL, VAN	FDEP	Class V Non-ASR	-	41	36	Biscayne	8/2/1984
4098	25° 48'	80° 11'	62618	G. F. C. CORPORATION	FDEP	Class V Non-ASR	-	41	39	Biscayne	10/18/1984
4099	25° 48'	80° 7'	60284	FEDERAL BUILDERS, INC.	FDEP	Class V Non-ASR	-	41	32	Biscayne	11/15/1979
4100	25° 52'	80° 7'	61012	CORONADO HOTEL	FDEP	Class V Non-ASR	-	41	34	Biscayne	8/24/1984
4101	25° 47'	80° 7'	61112	TARADASH, DANIEL	FDEP	Class V Non-ASR	-	41	38	Biscayne	8/31/1984
4102	25° 50'	80° 11'	61178	DOMESTIC PLUMBING	FDEP	Class V Non-ASR	-	41	37	Biscayne	9/4/1984
4103	25° 44'	80° 12'	61187	SOLOMON, DON	FDEP	Class V Non-ASR	-	41	38	Biscayne	9/4/1984
4104	25° 49'	80° 11'	60443	AIR COND. CORP.	FDEP	Class V Non-ASR	-	41	34	Biscayne	7/20/1984
4105	25° 46'	80° 11'	61300	WILCK, E.	FDEP	Class V Non-ASR	-	41	37	Biscayne	9/10/1984
4106	25° 42'	80° 15'	60669	BEL-AIR CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	41	36	Biscayne	8/6/1984
4107	25° 46'	80° 11'	60683	RASKIN, BEN	FDEP	Class V Non-ASR	-	41	36	Biscayne	8/7/1984
4108	25° 42'	80° 15'	61468	SHEELER POOLS	FDEP	Class V Non-ASR	-	41	36	Biscayne	7/19/1984
4109	25° 52'	80° 10'	62344	HARBETT, OLIN	FDEP	Class V Non-ASR	-	41	33	Biscayne	10/15/1984
4110	25° 48'	80° 7'	62471	FLA. POWER & LIGHT	FDEP	Class V Non-ASR	-	41	31	Biscayne	9/28/1984
4111	25° 46'	80° 11'	64196	LEVINE, MAX	FDEP	Class V Non-ASR	-	41	32	Biscayne	10/15/1984
4112	25° 41'	80° 10'	62803	PUBLIC WORKS DEPT.- MIAMI	FDEP	Class V Non-ASR	-	41	29	Biscayne	11/14/1984
4113	25° 45'	80° 17'	63685	JAMES MORELLI	FDEP	Class V Non-ASR	-	41	41	Biscayne	7/25/1984
4114	25° 50'	80° 11'	62947	HILL, O.E.	FDEP	Class V Non-ASR	-	41	38	Biscayne	11/21/1984
4115	25° 43'	80° 16'	63924	HARRISON, L. S.	FDEP	Class V Non-ASR	-	41	37	Biscayne	9/25/1984
4116	25° 42'	80° 16'	63212	MICHALKA, EARL R.	FDEP	Class V Non-ASR	-	41	38	Biscayne	1/29/2008
4117	25° 48'	80° 13'	64097	SCURRY, M. E.	FDEP	Class V Non-ASR	-	41	37	Biscayne	10/5/1984
4118	25° 42'	80° 16'	64103	DAWSON, M. H.	FDEP	Class V Non-ASR	-	41	0	Biscayne	10/5/1984
4119	25° 38'	80° 17'	94605	DEERING BAY YACHT & COUNTRY CLUB	FDEP	Class V Non-ASR	-	41	25	Biscayne	12/1/2004
4120	25° 43'	80° 14'	61726	TOMMY'S AIR CONDITIONING	FDEP	Class V Non-ASR	-	42	37	Biscayne	7/30/1984
4121	25° 50'	80° 7'	60226	MULTACK, W.	FDEP	Class V Non-ASR	-	42	37	Biscayne	12/14/1985
4122	25° 44'	80° 18'	61806	VALUE DRUG COMPANY	FDEP	Class V Non-ASR	-	42	36	Biscayne	8/2/1984
4123	25° 49'	80° 12'	62660	PRIMITIVE BAPTIST CHURCH	FDEP	Class V Non-ASR	-	42	37	Biscayne	10/29/1984
4124	25° 45'	80° 11'	61068	STANG, D.	FDEP	Class V Non-ASR	-	42	36	Biscayne	8/24/1984
4125	25° 52'	80° 10'	61143	CLAUSEN,DEAN	FDEP	Class V Non-ASR	-	42	40	Biscayne	8/31/1984
4126	25° 46'	80° 14'	61933	WHITE REFRIGERATION	FDEP	Class V Non-ASR	-	42	40	Biscayne	8/9/1984
4127	25° 46'	80° 15'	60396	LUKASSEWICS, A.	FDEP	Class V Non-ASR	-	42	38	Biscayne	7/3/1984
4128	25° 47'	80° 7'	60424	ACCORNERO (EAST AIRLINES)	FDEP	Class V Non-ASR	-	42	39	Biscayne	7/18/1984
4129	25° 47'	80° 7'	60458	ALAMAC HOTEL	FDEP	Class V Non-ASR	-	42	35	Biscayne	7/25/1984
4130	25° 44'	80° 15'	62019	1ST CH. OF CHRIST SC.	FDEP	Class V Non-ASR	-	42	37	Biscayne	4/30/1990
4131	25° 49'	80° 16'	62050	DOBBS, GEORGE	FDEP	Class V Non-ASR	-	42	39	Biscayne	11/16/1984
4132	25° 42'	80° 15'	60567	ARKAY BUILDERS, INC.	FDEP	Class V Non-ASR	-	42	40	Biscayne	7/31/1984
4133	25° 47'	80° 7'	62127	GOVERNOR HOTEL	FDEP	Class V Non-ASR	-	42	31	Biscayne	9/19/1984
4134	25° 45'	80° 15'	62132	GRABLE'S BAKERY, INC.	FDEP	Class V Non-ASR	-	42	40	Biscayne	9/19/1984
4135	25° 47'	80° 8'	60661	BEACH MEMORIAL CHAPEL	FDEP	Class V Non-ASR	-	42	38	Biscayne	8/6/1984
4136	25° 53'	80° 7'	62235	SIEGAL, HARRY	FDEP	Class V Non-ASR	-	42	35	Biscayne	11/19/1984
4137	25° 48'	80° 12'	60705	BERNARD'S FABRIC SHOP	FDEP	Class V Non-ASR	-	42	0	Biscayne	8/8/1984
4138	25° 47'	80° 11'	62284	KRAMER, NICKOLAS	FDEP	Class V Non-ASR	-	42	0	Biscayne	10/8/1984
4139	25° 42'	80° 16'	60771	BROVAY CORPORATION	FDEP	Class V Non-ASR	-	42	35	Biscayne	8/15/1984
4140	25° 44'	80° 15'	61547	SOPHROSE PROPERTIES	FDEP	Class V Non-ASR	-	42	36	Biscayne	7/20/1984
4141	25° 51'	80° 11'	60810	JAKUOSKI, C.	FDEP	Class V Non-ASR	-	42	41	Biscayne	8/16/1984
4142	25° 48'	80° 7'	62387	OPPENHEIMER, EVELYN	FDEP	Class V Non-ASR	-	42	34	Biscayne	9/21/1984
4143	25° 47'	80° 12'	60897	VALENTI, CHARLES	FDEP	Class V Non-ASR	-	42	41	Biscayne	8/20/1984
4144	25° 47'	80° 7'	62473	FLORIDA POWER & LIGHT	FDEP	Class V Non-ASR	-	42	32	Biscayne	10/4/1984
4145	25° 48'	80° 7'	62497	NORWOOD,FLORENCE	FDEP	Class V Non-ASR	-	42	0	Biscayne	10/8/1984
4146	25° 41'	80° 9'	64161	KREUGER, MARRY	FDEP	Class V Non-ASR	-	42	38	Biscayne	10/12/1984
4147	25° 46'	80° 15'	63410	FINK, HERBERT	FDEP	Class V Non-ASR	-	42	41	Biscayne	7/5/1984
4148	25° 49'	80° 12'	64249	MIAMI EDISON HIGH SCHOOL	FDEP	Class V Non-ASR	-	42	37	Biscayne	10/22/1984
4149	25° 46'	80° 13'	63448	HIGH TOWER CORP.	FDEP	Class V Non-ASR	-	42	39	Biscayne	7/6/1984
4150	25° 44'	80° 16'	62699	LAMBRIGHT, P. A.	FDEP	Class V Non-ASR	-	42	38	Biscayne	10/16/1984
4151	25° 44'	80° 18'	63520	HAYCOCK, IRA C.	FDEP	Class V Non-ASR	-	42	39	Biscayne	7/9/1984
4152	25° 47'	80° 7'	62799	POWDER PUFF BEAUTY SALON	FDEP	Class V Non-ASR	-	42	37	Biscayne	10/29/1984
4153	25° 45'	80° 15'	62820	SEYMOUR, R. B.	FDEP	Class V Non-ASR	-	42	41	Biscayne	11/1/1984
4154	25° 44'	80° 15'	62893	TAFFT, RAYMOND A.	FDEP	Class V Non-ASR	-	42	38	Biscayne	11/16/1984
4155	25° 47'	80° 8'	63698	JAMES WATSKY	FDEP	Class V Non-ASR	-	42	40	Biscayne	7/25/1984
4156	25° 44'	80° 16'	62991	WOLFSON, RICHARD F.	FDEP	Class V Non-ASR	-	42	41	Biscayne	11/19/1984
4157	25° 48'	80° 7'	63749	ASTOR, JOHN	FDEP	Class V Non-ASR	-	42	30	Biscayne	8/1/1984
4158	25° 47'	80° 7'	62976	REVLIN HOTEL	FDEP	Class V Non-ASR	-	42	37	Biscayne	11/19/1984
4159	25° 47'	80° 7'	63031	COX, ROBERT	FDEP	Class V Non-ASR	-	42	38	Biscayne	11/27/1984
4160	25° 42'	80° 16'	63049	GROFFBERGER, ROBERT	FDEP	Class V Non-ASR	-	42	37	Biscayne	11/27/1984
4161	25° 48'	80° 11'	63947	LARAMORE NEESE, INC.	FDEP	Class V Non-ASR	-	42	37	Biscayne	9/25/1984
4162	25° 50'	80° 17'	63146	KIM COLOR CORPORATION	FDEP	Class V Non-ASR	-	42	40	Biscayne	12/27/1984
4163	25° 53'	80° 12'	64011	BELL, LESSIE A.	FDEP	Class V Non-ASR	-	42	37	Biscayne	9/27/1984
4164	25° 38'	80° 17'	94605	DEERING BAY YACHT & COUNTRY CLUB	FDEP	Class V Non-ASR	-	42	25	Biscayne	12/1/2004
4165	25° 53'	80° 9'	61824	VILLAGE APARTMENTS	FDEP	Class V Non-ASR	-	43	40	Biscayne	8/2/1984
4166	25° 49'	80° 12'	62657	GENERAL CREDIT CORPORATION	FDEP	Class V Non-ASR	-	43	42	Biscayne	10/24/1984
4167	25° 47'	80° 15'	60400	A.P.I. CORP.	FDEP	Class V Non-ASR	-	43	38	Biscayne	7/3/1984
4168	25° 42'	80° 16'	62061	EULER, GEORGE J., CONSTRUCTION	FDEP	Class V Non-ASR	-	43	38	Biscayne	9/13/1984
4169	25° 48'	80° 11'	62223	GOLDSTEIN, HARRY	FDEP	Class V Non-ASR	-	43	40	Biscayne	9/25/1984
4170	25° 50'	80° 11'	62289	RIDDLE, NOLA M.	FDEP	Class V Non-ASR	-	43	39	Biscayne	10/8/1984
4171	25° 47'	80° 13'	62358	OSCAR CARLSTEDT CO.	FDEP	Class V Non-ASR	-	43	32	Biscayne	11/15/1984
4172	25° 46'	80° 15'	60909	CHILDS CARDIAC HOME	FDEP	Class V Non-ASR	-	43	39	Biscayne	8/20/1984
4173	25° 45'	80° 11'	64175	RAUZIN, MARVIN	FDEP	Class V Non-ASR	-	43	41	Biscayne	10/12/1984
4174	25° 44'	80° 15'	62734	CESARANO, PATRICK J.	FDEP	Class V Non-ASR	-	43	37	Biscayne	11/14/1984
4175	25° 51'	80° 8'	62825	BASKER, R.C.	FDEP	Class V Non-ASR	-	43	40	Biscayne	11/2/1984
4176	25° 51'	80° 8'	62825	BASKER, R.C.	FDEP	Class V Non-ASR	-	43	40	Biscayne	11/2/1984
4177	25° 44'	80° 16'	62849	STAFFORD, R. E.	FDEP	Class V Non-ASR	-	43	39	Biscayne	11/6/1984
4178	25° 44'	80° 12'	62861	ROSEN, R.	FDEP	Class V Non-ASR	-	43	41	Biscayne	11/13/1984
4179	25° 48'	80° 7'	63653	ABRAMSON, JAMES	FDEP	Class V Non-ASR	-	43	37	Biscayne	7/19/1984
4180	25° 48'	80° 15'	63723	JERRY'S RESTAURANT	FDEP	Class V Non-ASR	-	43	40	Biscayne	7/31/1984
4181	25° 46'	80° 11'	63077	ROBERTS BLDG. ENTER.	FDEP	Class V Non-ASR	-	43	40	Biscayne	11/28/1984
4182	25° 49'	80° 10'	64147	HEALY, MARIE	FDEP	Class V Non-ASR	-	43	38	Biscayne	10/11/1984
4183	25° 41'	80° 17'	97804	GULLIVER PREP SCHOOL	FDEP	Class V Non-ASR	-	44	38	Biscayne	6/19/2009

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
4184	25° 47'	80° 11'	61025	CRANCE COMPANY	FDEP	Class V Non-ASR	-	44	38	Biscayne	8/24/1984
4185	25° 44'	80° 12'	61838	MEDLIN, W. B.	FDEP	Class V Non-ASR	-	44	42	Biscayne	8/3/1984
4186	25° 44'	80° 12'	62642	GAR CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	44	41	Biscayne	10/24/1984
4187	25° 46'	80° 11'	61925	WEST INDIES FRUIT	FDEP	Class V Non-ASR	-	44	41	Biscayne	8/9/1984
4188	25° 44'	80° 13'	61185	SOLOMON, DON	FDEP	Class V Non-ASR	-	44	40	Biscayne	9/4/1984
4189	25° 46'	80° 13'	61186	SOLOMON, DON	FDEP	Class V Non-ASR	-	44	40	Biscayne	9/4/1984
4190	25° 46'	80° 12'	62002	WOMETCO ENTERPRISES	FDEP	Class V Non-ASR	-	44	40	Biscayne	8/13/1984
4191	25° 48'	80° 11'	62003	WOMETCO ENTERPRISES	FDEP	Class V Non-ASR	-	44	40	Biscayne	8/13/1984
4192	25° 50'	80° 16'	61207	NELSON, DR. H. C. JR.	FDEP	Class V Non-ASR	-	44	0	Biscayne	9/4/1984
4193	25° 50'	80° 17'	60581	ARROW BEEF CORP.	FDEP	Class V Non-ASR	-	44	41	Biscayne	8/1/1984
4194	25° 47'	80° 13'	62117	GOLDEN RULE BAR	FDEP	Class V Non-ASR	-	44	0	Biscayne	9/19/1984
4195	25° 43'	80° 15'	62148	GROVE PHARMACY, INC.	FDEP	Class V Non-ASR	-	44	40	Biscayne	11/16/1984
4196	25° 51'	80° 14'	62172	CAUDLE, H. FRANK	FDEP	Class V Non-ASR	-	44	0	Biscayne	11/16/1984
4197	25° 49'	80° 15'	61445	SEA COAST APPL. DIST., INC.	FDEP	Class V Non-ASR	-	44	42	Biscayne	7/19/1984
4198	25° 48'	80° 13'	60758	BOTTLING PLANT	FDEP	Class V Non-ASR	-	44	38	Biscayne	8/10/1984
4199	25° 50'	80° 12'	60761	BOWLERMAN, INC.	FDEP	Class V Non-ASR	-	44	42	Biscayne	8/15/1984
4200	25° 50'	80° 17'	60835	CARCON, INC.	FDEP	Class V Non-ASR	-	44	40	Biscayne	8/17/1984
4201	25° 44'	80° 15'	60932	CITY OF CORAL GABLES	FDEP	Class V Non-ASR	-	44	24	Biscayne	8/21/1984
4202	25° 51'	80° 7'	61699	MANCHU RESTAURANT, THE	FDEP	Class V Non-ASR	-	44	40	Biscayne	7/25/1984
4203	25° 48'	80° 7'	60167	MCCOY, PEGGY	FDEP	Class V Non-ASR	-	44	39	Biscayne	9/2/1977
4204	25° 46'	80° 14'	63332	ROBERTS, LYLE	FDEP	Class V Non-ASR	-	44	39	Biscayne	1/29/2008
4205	25° 49'	80° 11'	64167	MARTIN HOTEL	FDEP	Class V Non-ASR	-	44	41	Biscayne	10/12/1984
4206	25° 51'	80° 7'	63428	KOHL, HERMAN	FDEP	Class V Non-ASR	-	44	40	Biscayne	7/6/1984
4207	25° 46'	80° 12'	63438	HERTZ-U-DRIVE-IT CO.	FDEP	Class V Non-ASR	-	44	41	Biscayne	7/6/1984
4208	25° 46'	80° 7'	63451	HILL YORK CORPORATION	FDEP	Class V Non-ASR	-	44	0	Biscayne	7/6/1984
4209	25° 49'	80° 11'	62678	ODELL, R. L.	FDEP	Class V Non-ASR	-	44	42	Biscayne	10/30/1984
4210	25° 48'	80° 15'	63577	KLEE, J. J.	FDEP	Class V Non-ASR	-	44	42	Biscayne	7/12/1984
4211	25° 50'	80° 11'	62759	PERSONAL FINANCE	FDEP	Class V Non-ASR	-	44	40	Biscayne	10/25/1984
4212	25° 43'	80° 16'	63690	JAMES SOTILLIE, SR.	FDEP	Class V Non-ASR	-	44	40	Biscayne	7/25/1984
4213	25° 46'	80° 11'	63015	RIVIERA CANDY COMPANY	FDEP	Class V Non-ASR	-	44	40	Biscayne	11/26/1984
4214	25° 49'	80° 17'	63766	HOERTER, JOHN	FDEP	Class V Non-ASR	-	44	42	Biscayne	8/8/1984
4215	25° 45'	80° 17'	64022	OFFNER, LILLIAN	FDEP	Class V Non-ASR	-	44	42	Biscayne	9/27/1984
4216	25° 50'	80° 11'	64030	LITTLE RIVER CORP.	FDEP	Class V Non-ASR	-	44	42	Biscayne	9/27/1984
4217	25° 45'	80° 15'	64074	LUDLOW INVESTMENT CORPORATION	FDEP	Class V Non-ASR	-	44	0	Biscayne	10/4/1984
4218	25° 45'	80° 11'	101034	BAYSHORE PLACE CONDOMINIUM	FDEP	Class V Non-ASR	-	45	42	Biscayne	1/22/2013
4219	25° 47'	80° 7'	61709	THOMAS CORP. - 311 LINCOLN	FDEP	Class V Non-ASR	-	45	41	Biscayne	7/30/1984
4220	25° 44'	80° 15'	62526	LANE, FRANK A.	FDEP	Class V Non-ASR	-	45	41	Biscayne	10/11/1984
4221	25° 43'	80° 15'	62533	FRIED, FRANK	FDEP	Class V Non-ASR	-	45	40	Biscayne	10/12/1984
4222	25° 43'	80° 15'	62552	MALICE, FRANK	FDEP	Class V Non-ASR	-	45	42	Biscayne	10/16/1984
4223	25° 54'	80° 12'	60979	HEAPS, CLYTA	FDEP	Class V Non-ASR	-	45	0	Biscayne	8/23/1984
4224	25° 47'	80° 11'	60992	COMMUNITY CHRISTIAN CHURCH	FDEP	Class V Non-ASR	-	45	0	Biscayne	8/23/1984
4225	25° 48'	80° 7'	60282	OWENS, ALBERT	FDEP	Class V Non-ASR	-	45	35	Biscayne	12/16/1984
4226	25° 45'	80° 16'	61016	COUNTRY CLUB OF CORAL GABLES	FDEP	Class V Non-ASR	-	45	44	Biscayne	8/24/1984
4227	25° 48'	80° 15'	61024	CRAFTSMAN'S VILLAGE	FDEP	Class V Non-ASR	-	45	44	Biscayne	8/24/1984
4228	25° 46'	80° 15'	61819	VICTON COMPANY	FDEP	Class V Non-ASR	-	45	42	Biscayne	8/2/1984
4229	25° 44'	80° 15'	61830	MAPOLI, VINCENT	FDEP	Class V Non-ASR	-	45	35	Biscayne	8/3/1984
4230	25° 51'	80° 10'	61832	VINGETE CONSTRUCTION CORP.	FDEP	Class V Non-ASR	-	45	38	Biscayne	8/3/1984
4231	25° 50'	80° 9'	62636	GAINES CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	45	42	Biscayne	10/24/1984
4232	25° 45'	80° 15'	61053	D & H CONSTRUCTION	FDEP	Class V Non-ASR	-	45	42	Biscayne	8/28/1984
4233	25° 51'	80° 11'	61869	LEONARD, W. R.	FDEP	Class V Non-ASR	-	45	42	Biscayne	8/7/1984
4234	25° 47'	80° 13'	61888	STEINBERG, WALLY	FDEP	Class V Non-ASR	-	45	43	Biscayne	8/7/1984
4235	25° 41'	80° 16'	61907	WITUS, WARREN	FDEP	Class V Non-ASR	-	45	45	Biscayne	8/8/1984
4236	25° 46'	80° 14'	60378	DEVILLE, A. E.	FDEP	Class V Non-ASR	-	45	42	Biscayne	6/28/1984
4237	25° 42'	80° 16'	60380	WEBER, A. F.	FDEP	Class V Non-ASR	-	45	0	Biscayne	6/28/1984
4238	25° 43'	80° 15'	60383	ADAMS, A. H., JR.	FDEP	Class V Non-ASR	-	45	0	Biscayne	6/28/1984
4239	25° 46'	80° 14'	60385	DETERS, A. H.	FDEP	Class V Non-ASR	-	45	40	Biscayne	6/28/1984
4240	25° 52'	80° 12'	61917	WEBB REALTY COMPANY	FDEP	Class V Non-ASR	-	45	0	Biscayne	8/8/1984
4241	25° 49'	80° 17'	61944	BROCK, WILLIAM	FDEP	Class V Non-ASR	-	45	42	Biscayne	8/10/1984
4242	25° 49'	80° 12'	60409	CRAGO, A. W.	FDEP	Class V Non-ASR	-	45	0	Biscayne	7/13/1984
4243	25° 42'	80° 15'	60423	MALOFF, ABRAHAM	FDEP	Class V Non-ASR	-	45	42	Biscayne	7/18/1984
4244	25° 45'	80° 13'	61190	EVANS, DONALD	FDEP	Class V Non-ASR	-	45	43	Biscayne	9/4/1984
4245	25° 41'	80° 9'	61978	VAUGHN, WILLIAM	FDEP	Class V Non-ASR	-	45	35	Biscayne	8/13/1984
4246	25° 47'	80° 18'	60441	AERODEX, INC.	FDEP	Class V Non-ASR	-	45	39	Biscayne	7/20/1984
4247	25° 48'	80° 11'	60462	BELSRIS, ALBERT	FDEP	Class V Non-ASR	-	45	43	Biscayne	7/25/1984
4248	25° 44'	80° 12'	60473	RAPP, ALBERT	FDEP	Class V Non-ASR	-	45	0	Biscayne	7/26/1984
4249	25° 47'	80° 7'	60481	ALBION BLUE ROOM	FDEP	Class V Non-ASR	-	45	0	Biscayne	7/26/1984
4250	25° 44'	80° 16'	61205	ZARZEKI, C. A., DR.	FDEP	Class V Non-ASR	-	45	40	Biscayne	9/4/1984
4251	25° 46'	80° 12'	61252	GREENHOUSE, DR. M. N.	FDEP	Class V Non-ASR	-	45	42	Biscayne	9/6/1984
4252	25° 41'	80° 9'	60564	AREA SERVICES	FDEP	Class V Non-ASR	-	45	36	Biscayne	7/31/1984
4253	25° 44'	80° 12'	61325	GORDON, EDWARD	FDEP	Class V Non-ASR	-	45	37	Biscayne	9/11/1984
4254	25° 53'	80° 12'	62128	GRABLE'S BAKERY	FDEP	Class V Non-ASR	-	45	38	Biscayne	11/16/1984
4255	25° 47'	80° 12'	60640	BAKER BROTHERS	FDEP	Class V Non-ASR	-	45	40	Biscayne	8/3/1984
4256	25° 42'	80° 16'	62190	HENDRIX, HAL	FDEP	Class V Non-ASR	-	45	45	Biscayne	9/21/1984
4257	25° 45'	80° 13'	60647	BANYON CAFETERIAS	FDEP	Class V Non-ASR	-	45	44	Biscayne	8/6/1984
4258	25° 47'	80° 7'	60682	POLLACK, BEN	FDEP	Class V Non-ASR	-	45	39	Biscayne	8/7/1984
4259	25° 50'	80° 9'	60687	BEN'S BAIT&TACKLE	FDEP	Class V Non-ASR	-	45	42	Biscayne	8/7/1984
4260	25° 52'	80° 10'	61438	HOEHN, SCOTT J.	FDEP	Class V Non-ASR	-	45	40	Biscayne	7/19/1984
4261	25° 43'	80° 15'	62252	ROSS, HAZEL	FDEP	Class V Non-ASR	-	45	37	Biscayne	11/19/1984
4262	25° 47'	80° 11'	60712	BESSEMER PROPERTIES	FDEP	Class V Non-ASR	-	45	44	Biscayne	8/8/1984
4263	25° 46'	80° 13'	60715	BETHEL CONGREGATION	FDEP	Class V Non-ASR	-	45	42	Biscayne	8/8/1984
4264	25° 41'	80° 9'	61474	SHELL OIL COMPANY	FDEP	Class V Non-ASR	-	45	40	Biscayne	7/19/1984
4265	25° 47'	80° 7'	61493	SIDAL FASHION, INC.	FDEP	Class V Non-ASR	-	45	35	Biscayne	7/20/1984
4266	25° 44'	80° 14'	62282	NEWELL CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	45	40	Biscayne	11/15/1984
4267	25° 43'	80° 17'	62310	MCMILLAN, O. H.	FDEP	Class V Non-ASR	-	45	0	Biscayne	11/15/1984
4268	25° 48'	80° 12'	60779	BUSH DISTRIBUTING CO.	FDEP	Class V Non-ASR	-	45	43	Biscayne	8/15/1984
4269	25° 49'	80° 16'	60830	CANNON SHOE STORE	FDEP	Class V Non-ASR	-	45	41	Biscayne	8/17/1984
4270	25° 50'	80° 12'	61568	SPECTOR & SONS	FDEP	Class V Non-ASR	-	45	0	Biscayne	7/20/1984
4271	25° 45'	80° 15'	62379	THEO ERNEST	FDEP	Class V Non-ASR	-	45	42	Biscayne	9/21/1984
4272	25° 47'	80° 7'	62458	FLA. POWER & LIGHT	FDEP	Class V Non-ASR	-	45	42	Biscayne	9/28/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
4273	25° 38'	80° 17'	60110	R. A. SIMAN	FDEP	Class V Non-ASR	-	45	45	Biscayne	6/29/1983
4274	25° 48'	80° 17'	60936	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	45	0	Biscayne	8/21/1984
4275	25° 45'	80° 17'	61659	SYLVANIA HEIGHTS BAPTIST CHURCH	FDEP	Class V Non-ASR	-	45	0	Biscayne	7/24/1984
4276	25° 50'	80° 11'	61679	TAM O' SHANTER MOTOR	FDEP	Class V Non-ASR	-	45	0	Biscayne	7/27/1984
4277	25° 50'	80° 16'	62493	FLAMINGO WAY BUILDING	FDEP	Class V Non-ASR	-	45	0	Biscayne	10/8/1984
4278	25° 51'	80° 7'	60151	HARDING VILLAS CONDOMINIUM	FDEP	Class V Non-ASR	-	45	35	Biscayne	8/4/1981
4279	25° 51'	80° 7'	60182	SUN ISLE CONDOMINIUM	FDEP	Class V Non-ASR	-	45	40	Biscayne	11/11/1981
4280	25° 41'	80° 16'	63366	MR. & MRS. WILLIAM I. SIEGMEISTER	FDEP	Class V Non-ASR	-	45	40	Biscayne	1/7/1985
4281	25° 45'	80° 15'	63421	STEVENS, HERBERT	FDEP	Class V Non-ASR	-	45	44	Biscayne	7/6/1984
4282	25° 40'	80° 17'	63430	KREHER, HERMAN	FDEP	Class V Non-ASR	-	45	42	Biscayne	7/6/1984
4283	25° 45'	80° 15'	63441	HEWNAE, INC.	FDEP	Class V Non-ASR	-	45	38	Biscayne	7/6/1984
4284	25° 46'	80° 13'	63463	HOME MORTGAGE CO. OF FLA.	FDEP	Class V Non-ASR	-	45	0	Biscayne	7/6/1984
4285	25° 50'	80° 10'	62675	SCHEELE, R. L.	FDEP	Class V Non-ASR	-	45	0	Biscayne	10/30/1984
4286	25° 51'	80° 11'	62685	OWNER UNKNOWN	FDEP	Class V Non-ASR	-	45	42	Biscayne	11/14/1984
4287	25° 40'	80° 17'	62689	OWNER UNKNOWN (ANTHONY D. HAMILTON)	FDEP	Class V Non-ASR	-	45	42	Biscayne	10/16/1984
4288	25° 44'	80° 12'	64341	NASH, MORTON	FDEP	Class V Non-ASR	-	45	0	Biscayne	10/25/1984
4289	25° 41'	80° 10'	62802	PUBLIC WORKS DEPT.- MIAMI	FDEP	Class V Non-ASR	-	45	37	Biscayne	11/14/1984
4290	25° 41'	80° 9'	62772	ROBERT, PHILIP R.	FDEP	Class V Non-ASR	-	45	42	Biscayne	10/26/1984
4291	25° 52'	80° 11'	64427	THOMAS, MRS. EDWIN	FDEP	Class V Non-ASR	-	45	42	Biscayne	10/31/1984
4292	25° 40'	80° 17'	62837	COLLINS, R. C.	FDEP	Class V Non-ASR	-	45	43	Biscayne	11/5/1984
4293	25° 50'	80° 11'	63707	JEHOVAH'S WITTNESS KING HALL	FDEP	Class V Non-ASR	-	45	40	Biscayne	7/31/1984
4294	25° 47'	80° 13'	62981	RICH ELECTRONIC	FDEP	Class V Non-ASR	-	45	41	Biscayne	11/19/1984
4295	25° 51'	80° 11'	63748	THOMPSON, JOHN A.	FDEP	Class V Non-ASR	-	45	42	Biscayne	8/1/1984
4296	25° 51'	80° 10'	63784	SHEER, JOHN	FDEP	Class V Non-ASR	-	45	40	Biscayne	8/9/1984
4297	25° 46'	80° 11'	62966	PUBLIC SHIRT SHOP	FDEP	Class V Non-ASR	-	45	0	Biscayne	11/26/1984
4298	25° 45'	80° 15'	62968	RIDGEWOOD PROPERTIES	FDEP	Class V Non-ASR	-	45	0	Biscayne	11/26/1984
4299	25° 48'	80° 13'	62969	RILEY SALMON & CO.	FDEP	Class V Non-ASR	-	45	42	Biscayne	11/26/1984
4300	25° 48'	80° 15'	63808	GARRISON, JOSEPH	FDEP	Class V Non-ASR	-	45	40	Biscayne	8/13/1984
4301	25° 47'	80° 7'	63032	COX, ROBERT	FDEP	Class V Non-ASR	-	45	35	Biscayne	11/27/1984
4302	25° 45'	80° 13'	63227	CORSO MEDICAL CENTER	FDEP	Class V Non-ASR	-	45	44	Biscayne	1/3/1985
4303	25° 42'	80° 16'	63960	ABER, LEE A.	FDEP	Class V Non-ASR	-	45	45	Biscayne	9/25/1984
4304	25° 48'	80° 11'	63982	MARK, LEO	FDEP	Class V Non-ASR	-	45	37	Biscayne	9/26/1984
4305	25° 45'	80° 12'	63137	HUNT, CHARLES I.	FDEP	Class V Non-ASR	-	45	43	Biscayne	12/27/1984
4306	25° 47'	80° 7'	63995	HYMAN, LEONARD	FDEP	Class V Non-ASR	-	45	42	Biscayne	9/26/1984
4307	25° 47'	80° 7'	64007	LERNER SHOPS	FDEP	Class V Non-ASR	-	45	32	Biscayne	9/26/1984
4308	25° 42'	80° 16'	63268	TIFFT, ELEANOR A.	FDEP	Class V Non-ASR	-	45	0	Biscayne	1/4/1985
4309	25° 48'	80° 13'	64065	SPECTER, LOUIS	FDEP	Class V Non-ASR	-	45	40	Biscayne	10/4/1984
4310	25° 54'	80° 9'	64071	GRILL, LUCAS	FDEP	Class V Non-ASR	-	45	0	Biscayne	10/4/1984
4311	25° 43'	80° 16'	64079	ADAMICH, LUIGIDE	FDEP	Class V Non-ASR	-	45	40	Biscayne	10/4/1984
4312	25° 48'	80° 11'	64101	GABOR, M.	FDEP	Class V Non-ASR	-	45	40	Biscayne	10/5/1984
4313	25° 42'	80° 15'	64145	WHITE, MARGUERITE	FDEP	Class V Non-ASR	-	45	40	Biscayne	10/11/1984
4314	25° 50'	80° 7'	95426	ROCKPORT INVESTMENTS, N.V.	FDEP	Class V Non-ASR	-	45	40	Biscayne	6/5/1980
4315	25° 50'	80° 8'	95428	MANUAL & COSUELO PEREZ	FDEP	Class V Non-ASR	-	45	40	Biscayne	10/23/1986
4316	25° 50'	80° 7'	95434	ROCKPORT INVESTMENTS, N.V.	FDEP	Class V Non-ASR	-	45	40	Biscayne	6/5/1980
4317	25° 48'	80° 7'	95022	JOHN O GONZALEZ	FDEP	Class V Non-ASR	-	45	35	Biscayne	5/7/1980
4318	25° 48'	80° 7'	95023	JOHN O GONZALEZ	FDEP	Class V Non-ASR	-	45	35	Biscayne	5/7/1980
4319	25° 50'	80° 7'	95036	LILIA LEIVA	FDEP	Class V Non-ASR	-	45	40	Biscayne	6/5/1980
4320	25° 41'	80° 9'	104470	SERGIO BALSINDE	FDEP	Class V Non-ASR	-	45	42	Biscayne	1/1/1970
4321	25° 46'	80° 9'	57089	PORT OF MIAMI TERMINAL 8 & 9	FDEP	Class V Non-ASR	-	46	42	Biscayne	10/2/1995
4322	25° 49'	80° 16'	62531	EISMAN, FRANK	FDEP	Class V Non-ASR	-	46	44	Biscayne	10/12/1984
4323	25° 49'	80° 18'	61782	UNION CARBIDE CORP.	FDEP	Class V Non-ASR	-	46	42	Biscayne	8/1/1984
4324	25° 49'	80° 17'	61804	SEARLS, V. M.	FDEP	Class V Non-ASR	-	46	43	Biscayne	8/2/1984
4325	25° 46'	80° 13'	61844	QUENSENBERRY, W. F., JR.	FDEP	Class V Non-ASR	-	46	44	Biscayne	8/3/1984
4326	25° 44'	80° 15'	61123	BAUER, DAVID	FDEP	Class V Non-ASR	-	46	40	Biscayne	8/31/1984
4327	25° 49'	80° 10'	61232	DR. FISHER	FDEP	Class V Non-ASR	-	46	42	Biscayne	9/6/1984
4328	25° 44'	80° 14'	62022	1ST FED. SAVINGS ASSOCIATION	FDEP	Class V Non-ASR	-	46	44	Biscayne	8/14/1984
4329	25° 47'	80° 11'	60534	ANCORO, INC.	FDEP	Class V Non-ASR	-	46	42	Biscayne	7/30/1984
4330	25° 53'	80° 7'	61279	LAU,E.D.	FDEP	Class V Non-ASR	-	46	42	Biscayne	9/7/1984
4331	25° 47'	80° 13'	61294	RYDER, E.	FDEP	Class V Non-ASR	-	46	44	Biscayne	9/10/1984
4332	25° 45'	80° 15'	62099	HELLER, GEORGE	FDEP	Class V Non-ASR	-	46	44	Biscayne	9/18/1984
4333	25° 41	80° 16'	60554	MANZO, ANTHONY	FDEP	Class V Non-ASR	-	46	44	Biscayne	7/31/1984
4334	25° 48'	80° 15'	62155	GULFSTREAM BUILDERS	FDEP	Class V Non-ASR	-	46	46	Biscayne	9/20/1984
4335	25° 45'	80° 17'	62161	GOLDSMITH, H. B., JR.	FDEP	Class V Non-ASR	-	46	44	Biscayne	9/20/1984
4336	25° 41'	80° 16'	62169	MEARES, H. E.	FDEP	Class V Non-ASR	-	46	44	Biscayne	11/16/1984
4337	25° 52'	80° 11'	62196	HAMILTON CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	46	43	Biscayne	11/16/1984
4338	25° 52'	80° 7'	60686	BEN-MAR,INC.	FDEP	Class V Non-ASR	-	46	42	Biscayne	8/7/1984
4339	25° 53'	80° 11'	60689	BENIFICIAL FINANCE	FDEP	Class V Non-ASR	-	46	44	Biscayne	8/7/1984
4340	25° 50'	80° 7'	62260	MENDAL, NANCY U.	FDEP	Class V Non-ASR	-	46	37	Biscayne	10/3/1984
4341	25° 48'	80° 17'	60722	LANTAFF, BETTY	FDEP	Class V Non-ASR	-	46	44	Biscayne	8/8/1984
4342	25° 42'	80° 17'	61485	SHORE PROPERTIES	FDEP	Class V Non-ASR	-	46	43	Biscayne	7/19/1984
4343	25° 53'	80° 9'	60790	C.D.C., INC.	FDEP	Class V Non-ASR	-	46	42	Biscayne	8/16/1984
4344	25° 42'	80° 16'	62322	OCCUPANT (SALVADOR CISNEROS)	FDEP	Class V Non-ASR	-	46	44	Biscayne	10/12/1984
4345	25° 41'	80° 16'	62329	OCCUPANT (KEITH TRAUNER)	FDEP	Class V Non-ASR	-	46	44	Biscayne	11/15/1984
4346	25° 40'	80° 17'	62330	OCCUPANT (TIMOTHY I. HASTY)	FDEP	Class V Non-ASR	-	46	44	Biscayne	11/15/1984
4347	25° 40'	80° 17'	62331	OCCUPANT (W. JAMES HUGHES)	FDEP	Class V Non-ASR	-	46	44	Biscayne	11/15/1984
4348	25° 40'	80° 17'	62332	OCCUPANT (P. A. MARTINEZ-FONTS)	FDEP	Class V Non-ASR	-	46	44	Biscayne	10/12/1984
4349	25° 43'	80° 15'	60808	SAVAGE, C. J.	FDEP	Class V Non-ASR	-	46	45	Biscayne	8/16/1984
4350	25° 52'	80° 13'	60855	CARNIVAL CLUB	FDEP	Class V Non-ASR	-	46	44	Biscayne	8/17/1984
4351	25° 42'	80° 15'	60892	SEAMAN, CHARLES	FDEP	Class V Non-ASR	-	46	44	Biscayne	8/20/1984
4352	25° 42'	80° 17'	61614	STEVENS MARKET, INC. NUMBER TWO	FDEP	Class V Non-ASR	-	46	44	Biscayne	7/23/1984
4353	25° 48'	80° 7'	62459	FLA. POWER & LIGHT	FDEP	Class V Non-ASR	-	46	42	Biscayne	9/28/1984
4354	25° 46'	80° 11'	61675	THOMAS, T. T.	FDEP	Class V Non-ASR	-	46	43	Biscayne	7/25/1984
4355	25° 51'	80° 7'	62469	FLA. POWER & LIGHT	FDEP	Class V Non-ASR	-	46	40	Biscayne	9/28/1984
4356	25° 47'	80° 11'	62480	FLORIDA REALTY COMPANY	FDEP	Class V Non-ASR	-	46	40	Biscayne	10/4/1984
4357	25° 53'	80° 11'	62509	FOOD FAIR STORES	FDEP	Class V Non-ASR	-	46	40	Biscayne	10/8/1984
4358	25° 42'	80° 15'	63335	SHAW, HOWARD A.	FDEP	Class V Non-ASR	-	46	43	Biscayne	1/7/1985
4359	25° 40'	80° 19'	63349	WAYSIDE BAPTIST CHURCH	FDEP	Class V Non-ASR	-	46	43	Biscayne	1/16/1985
4360	25° 48'	80° 11'	64166	PALM COURT	FDEP	Class V Non-ASR	-	46	44	Biscayne	5/29/1979
4361	25° 42'	80° 16'	63419	STEVENS, HERBERT	FDEP	Class V Non-ASR	-	46	38	Biscayne	7/6/1984

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Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
4362	25° 40'	80° 17'	62690	OWNER UNKNOWN (HARRY R. ATKISON)	FDEP	Class V Non-ASR	-	46	42	Biscayne	10/16/1984
4363	25° 40'	80° 17'	62692	OWNER UNKNOWN (JORGE R. BLANCO)	FDEP	Class V Non-ASR	-	46	42	Biscayne	11/14/1984
4364	25° 50'	80° 13'	64324	MOMAR CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	46	44	Biscayne	10/24/1984
4365	25° 46'	80° 14'	64325	MOMAR CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	46	44	Biscayne	10/24/1984
4366	25° 50'	80° 7'	63539	ISOBEL CORPORATION	FDEP	Class V Non-ASR	-	46	40	Biscayne	7/11/1984
4367	25° 49'	80° 10'	63571	GARNER, J.	FDEP	Class V Non-ASR	-	46	42	Biscayne	7/11/1984
4368	25° 51'	80° 7'	63576	GRANGER, J. J.	FDEP	Class V Non-ASR	-	46	44	Biscayne	7/12/1984
4369	25° 43'	80° 16'	64417	BENJAMIN, MRS. A.	FDEP	Class V Non-ASR	-	46	40	Biscayne	10/30/1984
4370	25° 44'	80° 16'	64430	GRAGORY, MRS. H. L.	FDEP	Class V Non-ASR	-	46	46	Biscayne	10/31/1984
4371	25° 51'	80° 12'	62826	BRUMBAUGH, R. C.	FDEP	Class V Non-ASR	-	46	42	Biscayne	11/5/1984
4372	25° 40'	80° 17'	62835	COLLINS, R. C.	FDEP	Class V Non-ASR	-	46	44	Biscayne	11/5/1984
4373	25° 40'	80° 17'	62836	COLLINS, R. C.	FDEP	Class V Non-ASR	-	46	45	Biscayne	11/5/1984
4374	25° 40'	80° 17'	62836	COLLINS, R. C.	FDEP	Class V Non-ASR	-	46	45	Biscayne	11/5/1984
4375	25° 40'	80° 17'	62836	COLLINS, R. C.	FDEP	Class V Non-ASR	-	46	44	Biscayne	11/5/1984
4376	25° 40'	80° 17'	62836	COLLINS, R. C.	FDEP	Class V Non-ASR	-	46	43	Biscayne	11/5/1984
4377	25° 40'	80° 17'	62837	COLLINS, R. C.	FDEP	Class V Non-ASR	-	46	44	Biscayne	11/5/1984
4378	25° 53'	80° 7'	62905	SCHAEFFER, RECHT	FDEP	Class V Non-ASR	-	46	40	Biscayne	11/19/1984
4379	25° 47'	80° 16'	62918	RESORT AIRLINES	FDEP	Class V Non-ASR	-	46	43	Biscayne	11/19/1984
4380	25° 41'	80° 9'	62984	BASKER, RICHARD	FDEP	Class V Non-ASR	-	46	42	Biscayne	11/19/1984
4381	25° 40'	80° 17'	63044	GARFIELD, ROBERT	FDEP	Class V Non-ASR	-	46	42	Biscayne	11/27/1984
4382	25° 40'	80° 17'	63076	ZANKL, ROBERT	FDEP	Class V Non-ASR	-	46	45	Biscayne	11/28/1984
4383	25° 46'	80° 13'	63851	KAY'S PKG & LIQUOR STORE	FDEP	Class V Non-ASR	-	46	42	Biscayne	9/5/1984
4384	25° 51'	80° 14'	63128	PLUMMER, RUSSELL	FDEP	Class V Non-ASR	-	46	44	Biscayne	11/29/1984
4385	25° 52'	80° 11'	63203	KELLEY, STEPHEN DOUGLAS	FDEP	Class V Non-ASR	-	46	42	Biscayne	1/2/1985
4386	25° 53'	80° 12'	63209	LEVASSEUR, HARLEY E.	FDEP	Class V Non-ASR	-	46	42	Biscayne	1/2/1985
4387	25° 47'	80° 11'	63990	BROWN, LEONARD	FDEP	Class V Non-ASR	-	46	0	Biscayne	9/26/1984
4388	25° 44'	80° 13'	64118	WILSON, M.	FDEP	Class V Non-ASR	-	46	44	Biscayne	10/9/1984
4389	25° 49'	80° 7'	95025	DR. B. E. KAHANA	FDEP	Class V Non-ASR	-	46	43	Biscayne	3/6/1986
4390	25° 47'	80° 8'	57090	LINCOLN DISTRICT IMPROVEMENTS	FDEP	Class V Non-ASR	-	47	40	Biscayne	10/2/1995
4391	25° 48'	80° 7'	60227	TURCHIN, ROBERT L., JR.	FDEP	Class V Non-ASR	-	47	43	Biscayne	5/25/1982
4392	25° 48'	80° 7'	60227	TURCHIN, ROBERT L., JR.	FDEP	Class V Non-ASR	-	47	43	Biscayne	5/27/1982
4393	25° 48'	80° 7'	60239	SPIEGEL, SHELDON LINDA	FDEP	Class V Non-ASR	-	47	43	Biscayne	10/27/1982
4394	25° 47'	80° 7'	61805	VALERIE FASHIONS	FDEP	Class V Non-ASR	-	47	42	Biscayne	8/2/1984
4395	25° 49'	80° 12'	62593	FREDRICH'S FABRICS	FDEP	Class V Non-ASR	-	47	44	Biscayne	10/18/1984
4396	25° 51'	80° 13'	62613	HANCOCK, G. E.	FDEP	Class V Non-ASR	-	47	42	Biscayne	10/18/1984
4397	25° 47'	80° 7'	62654	GAYNOR-GORDON, INC.	FDEP	Class V Non-ASR	-	47	36	Biscayne	10/24/1984
4398	25° 48'	80° 8'	60320	MARTIN ENGELS RESIDENCE	FDEP	Class V Non-ASR	-	47	42	Biscayne	9/14/1984
4399	25° 46'	80° 8'	60326	AMOCO GASOLINE STATION	FDEP	Class V Non-ASR	-	47	27	Biscayne	9/4/1984
4400	25° 48'	80° 11'	61929	WESTMINISTER PRESBYTERIAN CHURCH	FDEP	Class V Non-ASR	-	47	43	Biscayne	8/9/1984
4401	25° 46'	80° 14'	61932	WHITE CASTLE SYSTEM	FDEP	Class V Non-ASR	-	47	42	Biscayne	8/9/1984
4402	25° 44'	80° 12'	60418	GOLDBERG, ABE	FDEP	Class V Non-ASR	-	47	42	Biscayne	7/17/1984
4403	25° 49'	80° 15'	60429	ACOUSTI CORP.	FDEP	Class V Non-ASR	-	47	0	Biscayne	7/18/1984
4404	25° 45'	80° 14'	61168	DINAPOLI CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	47	42	Biscayne	9/4/1984
4405	25° 42'	80° 16'	61251	MERLIN, DR. M. H.	FDEP	Class V Non-ASR	-	47	40	Biscayne	9/6/1984
4406	25° 53'	80° 7'	61286	WELKEN, E. H.	FDEP	Class V Non-ASR	-	47	40	Biscayne	9/10/1984
4407	25° 41'	80° 15'	62110	EULER, GOERGE J., CONSTRUCTION	FDEP	Class V Non-ASR	-	47	42	Biscayne	9/18/1984
4408	25° 51'	80° 11'	62111	KEFFER, GEORGE	FDEP	Class V Non-ASR	-	47	45	Biscayne	9/18/1984
4409	25° 46'	80° 15'	61304	FARI WILSON COMPANY	FDEP	Class V Non-ASR	-	47	44	Biscayne	9/10/1984
4410	25° 52'	80° 7'	60602	ATLANTIC ASSOCIATION	FDEP	Class V Non-ASR	-	47	42	Biscayne	8/2/1984
4411	25° 43'	80° 15'	62170	COURTNEY, H. F.	FDEP	Class V Non-ASR	-	47	40	Biscayne	9/20/1984
4412	25° 53'	80° 7'	59862	BAL HARBOUR VILLAGE	FDEP	Class V Non-ASR	-	47	31	Biscayne	9/13/1996
4413	25° 53'	80° 7'	59862	BAL HARBOUR VILLAGE	FDEP	Class V Non-ASR	-	47	30	Biscayne	9/13/1996
4414	25° 53'	80° 7'	62237	STUHLBARG, HARRY	FDEP	Class V Non-ASR	-	47	42	Biscayne	9/25/1984
4415	25° 40'	80° 17'	62327	OCCUPANT (NORMA A CARRASCO)	FDEP	Class V Non-ASR	-	47	45	Biscayne	10/12/1984
4416	25° 41'	80° 16'	62328	OCCUPANT (EDWIN B. OSORIO)	FDEP	Class V Non-ASR	-	47	45	Biscayne	10/12/1984
4417	25° 40'	80° 17'	62333	OCCUPANT (MICHAEL AUSTIN)	FDEP	Class V Non-ASR	-	47	45	Biscayne	10/12/1984
4418	25° 39'	80° 17'	62334	OCCUPANT (JESSIE S. SANIZ)	FDEP	Class V Non-ASR	-	47	42	Biscayne	11/15/1984
4419	25° 47'	80° 7'	62455	FLORIDA HILL YORK CORPORATION	FDEP	Class V Non-ASR	-	47	0	Biscayne	9/28/1984
4420	25° 49'	80° 7'	60144	DR. EFROM	FDEP	Class V Non-ASR	-	47	42	Biscayne	12/17/1985
4421	25° 41'	80° 16'	61684	MEARES, TED	FDEP	Class V Non-ASR	-	47	45	Biscayne	7/25/1984
4422	25° 51'	80° 7'	62474	FLORIDA POWER & LIGHT	FDEP	Class V Non-ASR	-	47	42	Biscayne	10/4/1984
4423	25° 51'	80° 7'	60157	HARDING GARDENS CONDOMINIUM	FDEP	Class V Non-ASR	-	47	43	Biscayne	8/10/1981
4424	25° 40'	80° 19'	63349	WAYSIDE BAPTIST CHURCH	FDEP	Class V Non-ASR	-	47	40	Biscayne	1/16/1985
4425	25° 49'	80° 16'	63389	WILLINGHAM HELENA	FDEP	Class V Non-ASR	-	47	45	Biscayne	7/5/1984
4426	25° 41'	80° 16'	63429	KREHER, HERMAN	FDEP	Class V Non-ASR	-	47	45	Biscayne	7/6/1984
4427	25° 53'	80° 7'	63440	GREENWALD, HEWEY	FDEP	Class V Non-ASR	-	47	42	Biscayne	7/6/1984
4428	25° 46'	80° 11'	63456	HOLCOMB'S, INC.	FDEP	Class V Non-ASR	-	47	44	Biscayne	7/6/1984
4429	25° 43'	80° 15'	62703	BOYD, P. M.	FDEP	Class V Non-ASR	-	47	44	Biscayne	11/14/1984
4430	25° 50'	80° 13'	62707	PALM BOWL	FDEP	Class V Non-ASR	-	47	46	Biscayne	10/18/1984
4431	25° 49'	80° 16'	62812	QUINTY'S RESTA13URANT	FDEP	Class V Non-ASR	-	47	45	Biscayne	11/1/1984
4432	25° 51'	80° 7'	63529	FRANKEL, IRVING	FDEP	Class V Non-ASR	-	47	41	Biscayne	7/9/1984
4433	25° 49'	80° 16'	63675	JAMES HOOK	FDEP	Class V Non-ASR	-	47	21	Biscayne	7/25/1984
4434	25° 41'	80° 9'	63721	RACE, JERRY	FDEP	Class V Non-ASR	-	47	43	Biscayne	7/31/1984
4435	25° 41'	80° 16'	63030	CORDRAY, ROBERT	FDEP	Class V Non-ASR	-	47	42	Biscayne	11/27/1984
4436	25° 52'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	47	38	Biscayne	7/28/1994
4437	25° 50'	80° 17'	64052	ALWEISS, LOUIS	FDEP	Class V Non-ASR	-	47	45	Biscayne	10/4/1984
4438	25° 48'	80° 12'	64130	MANHATTAN MIAMI CORPORATION	FDEP	Class V Non-ASR	-	47	45	Biscayne	10/11/1984
4439	25° 52'	80° 10'	92415	MIAMI SHORES AQUATIC CENTER	FDEP	Class V Non-ASR	-	47	42	Biscayne	10/26/2004
4440	25° 47'	80° 8'	94214	STERLING BUILDING	FDEP	Class V Non-ASR	-	47	40	Biscayne	4/30/1986
4441	25° 42'	80° 16'	61713	PATTY, THOMAS	FDEP	Class V Non-ASR	-	48	40	Biscayne	7/30/1984
4442	25° 42'	80° 16'	61713	PATTY, THOMAS	FDEP	Class V Non-ASR	-	48	45	Biscayne	7/30/1984
4443	25° 46'	80° 12'	62523	TAYLOR, FRANCIS	FDEP	Class V Non-ASR	-	48	46	Biscayne	10/11/1984
4444	25° 42'	80° 15'	62556	MAGNUSON, FRANK N.	FDEP	Class V Non-ASR	-	48	42	Biscayne	10/16/1984
4445	25° 48'	80° 7'	60238	D.T. SHERIDAN, INC.	FDEP	Class V Non-ASR	-	48	43	Biscayne	10/28/1982
4446	25° 49'	80° 14'	60977	CLUB ROYALE	FDEP	Class V Non-ASR	-	48	44	Biscayne	8/23/1984
4447	25° 45'	80° 15'	60989	COMBS FUNERAL HOME, INC.	FDEP	Class V Non-ASR	-	48	46	Biscayne	8/23/1984
4448	25° 47'	80° 14'	62612	GRONDIN, G. E.	FDEP	Class V Non-ASR	-	48	40	Biscayne	10/18/1984
4449	25° 47'	80° 8'	60250	ALTON STAR CONDO.	FDEP	Class V Non-ASR	-	48	43	Biscayne	6/9/1981
4450	25° 51'	80° 10'	61829	GAETA, VINCENT	FDEP	Class V Non-ASR	-	48	43	Biscayne	8/3/1984
4451	25° 45'	80° 18'	60479	STOECKER, ALBERT	FDEP	Class V Non-ASR	-	48	43	Biscayne	7/26/1984
4452	25° 45'	80° 11'	62025	1ST RESEARCH CORPORATION	FDEP	Class V Non-ASR	-	48	0	Biscayne	8/14/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
4453	25° 43'	80° 14'	62056	ENGLE, GEORGE	FDEP	Class V Non-ASR	-	48	45	Biscayne	11/16/1984
4454	25° 47'	80° 15'	60527	AMERICAN INDUSTRIAL SALES	FDEP	Class V Non-ASR	-	48	46	Biscayne	7/30/1984
4455	25° 48'	80° 11'	61261	DUBLIN COMPANY	FDEP	Class V Non-ASR	-	48	44	Biscayne	9/6/1984
4456	25° 45'	80° 15'	60557	ANTILLA HOTEL CORPORATION	FDEP	Class V Non-ASR	-	48	40	Biscayne	7/31/1984
4457	25° 50'	80° 11'	61317	EDISON CENTER LIONS CLUB	FDEP	Class V Non-ASR	-	48	0	Biscayne	9/10/1984
4458	25° 44'	80° 16'	61364	CAMERON, RUTH	FDEP	Class V Non-ASR	-	48	45	Biscayne	7/18/1984
4459	25° 43'	80° 15'	62174	GREENBURG, H.	FDEP	Class V Non-ASR	-	48	44	Biscayne	11/16/1984
4460	25° 52'	80° 11'	61441	SCOTT-STEVENS CORP.	FDEP	Class V Non-ASR	-	48	42	Biscayne	7/19/1984
4461	25° 49'	80° 15'	60786	SOHL, C. ALLEN	FDEP	Class V Non-ASR	-	48	0	Biscayne	8/15/1984
4462	25° 42'	80° 18'	61533	SOUTH MIAMI LUTHERAN CHURCH	FDEP	Class V Non-ASR	-	48	0	Biscayne	7/20/1984
4463	25° 39'	80° 17'	62326	OCCUPANT (BANCELCA CORPORATION)	FDEP	Class V Non-ASR	-	48	44	Biscayne	10/12/1984
4464	25° 49'	80° 11'	60799	BRETTHAUER, C.H.	FDEP	Class V Non-ASR	-	48	0	Biscayne	8/16/1984
4465	25° 47'	80° 11'	61559	SOUTHERN CHEVROLET	FDEP	Class V Non-ASR	-	48	0	Biscayne	7/20/1984
4466	25° 50'	80° 7'	61602	STEPHEN FOSTER HOTEL	FDEP	Class V Non-ASR	-	48	42	Biscayne	7/23/1984
4467	25° 50'	80° 7'	61603	STEPHEN FOSTER HOTEL	FDEP	Class V Non-ASR	-	48	42	Biscayne	7/23/1984
4468	25° 41'	80° 16'	62395	WAGOR, F. B.	FDEP	Class V Non-ASR	-	48	42	Biscayne	9/24/1984
4469	25° 50'	80° 15'	62401	BLEYER, F.J.	FDEP	Class V Non-ASR	-	48	48	Biscayne	9/24/1984
4470	25° 48'	80° 7'	62460	FLA. POWER & LIGHT	FDEP	Class V Non-ASR	-	48	43	Biscayne	9/28/1984
4471	25° 53'	80° 7'	60911	CHURCH BY THE SEA	FDEP	Class V Non-ASR	-	48	44	Biscayne	8/28/1984
4472	25° 47'	80° 8'	60148	PENN STAR CONDOMINIUM	FDEP	Class V Non-ASR	-	48	43	Biscayne	6/26/1981
4473	25° 48'	80° 7'	60155	LEFKOWITZ, MICHAEL	FDEP	Class V Non-ASR	-	48	43	Biscayne	5/11/1981
4474	25° 48'	80° 7'	60159	FRIEDBERG, J.	FDEP	Class V Non-ASR	-	48	43	Biscayne	8/11/1981
4475	25° 48'	80° 7'	60166	ZABIELINSKY, H.	FDEP	Class V Non-ASR	-	48	43	Biscayne	8/13/1981
4476	25° 49'	80° 7'	60187	BLANKSTEIN, DR.	FDEP	Class V Non-ASR	-	48	44	Biscayne	12/14/1985
4477	25° 48'	80° 12'	63411	FRAME HERBERT	FDEP	Class V Non-ASR	-	48	45	Biscayne	7/5/1984
4478	25° 41'	80° 16'	64216	JACKSON, MELVIN H.	FDEP	Class V Non-ASR	-	48	38	Biscayne	10/18/1984
4479	25° 42'	80° 16'	64399	HAGGLUND, MRS. BEATRICE	FDEP	Class V Non-ASR	-	48	48	Biscayne	10/30/1984
4480	25° 40'	80° 17'	62834	COLLINS, R. C.	FDEP	Class V Non-ASR	-	48	46	Biscayne	11/5/1984
4481	25° 42'	80° 17'	62886	LANCASTER, RALPH L.	FDEP	Class V Non-ASR	-	48	45	Biscayne	11/16/1984
4482	25° 47'	80° 8'	63706	JEFFERSONIAN CONDO., INC.	FDEP	Class V Non-ASR	-	48	42	Biscayne	7/31/1984
4483	25° 43'	80° 16'	63809	GITTLEMAN, JOSEPH	FDEP	Class V Non-ASR	-	48	44	Biscayne	8/13/1984
4484	25° 45'	80° 17'	63841	K&B TRAIL PROPERTIES	FDEP	Class V Non-ASR	-	48	46	Biscayne	8/15/1984
4485	25° 48'	80° 13'	63100	ROSEBAR FOODS	FDEP	Class V Non-ASR	-	48	42	Biscayne	11/28/1984
4486	25° 47'	80° 14'	63189	GRAPELAND HTS. BAPTIST CHURCH	FDEP	Class V Non-ASR	-	48	45	Biscayne	12/28/1984
4487	25° 46'	80° 13'	63239	HAROLD G. JAFFER, INC.	FDEP	Class V Non-ASR	-	48	41	Biscayne	1/5/1996
4488	25° 51'	80° 10'	63242	LATHAM, WILLIAM	FDEP	Class V Non-ASR	-	48	43	Biscayne	1/3/1985
4489	25° 50'	80° 15'	64126	OSTROWSKY, MAIZLER	FDEP	Class V Non-ASR	-	48	0	Biscayne	10/11/1984
4490	25° 46'	80° 7'	89728	BENTLEY BEACH HOTEL	FDEP	Class V Non-ASR	-	48	31	Biscayne	8/19/2002
4491	25° 53'	80° 7'	90496	PUBLIX AT SURFSIDE	FDEP	Class V Non-ASR	-	48	28	Biscayne	2/3/2003
4492	25° 52'	80° 7'	89375	WAVERLY AT SURFSIDE BEACH-WEST	FDEP	Class V Non-ASR	-	48	32	Biscayne	7/26/2002
4493	25° 49'	80° 8'	94428	FRIEDMAND, F.	FDEP	Class V Non-ASR	-	48	43	Biscayne	5/12/1986
4494	25° 45'	80° 16'	61016	COUNTRY CLUB OF CORAL GABLES	FDEP	Class V Non-ASR	-	49	45	Biscayne	8/24/1984
4495	25° 50'	80° 7'	60307	GONZALEZ, EDWARDO	FDEP	Class V Non-ASR	-	49	43	Biscayne	4/9/1984
4496	25° 50'	80° 14'	60427	ACME FAST FREIGHT	FDEP	Class V Non-ASR	-	49	46	Biscayne	7/18/1984
4497	25° 47'	80° 11'	61993	WINTERS BECKER COR.	FDEP	Class V Non-ASR	-	49	0	Biscayne	8/13/1984
4498	25° 44'	80° 16'	62049	CASTER, GEORGE	FDEP	Class V Non-ASR	-	49	48	Biscayne	9/12/1984
4499	25° 43'	80° 15'	61295	ASHBROOK, E. S., JR.	FDEP	Class V Non-ASR	-	49	45	Biscayne	9/10/1984
4500	25° 53'	80° 7'	62210	WIENER, HAROLD	FDEP	Class V Non-ASR	-	49	42	Biscayne	9/21/1984
4501	25° 53'	80° 7'	59862	BAL HARBOUR VILLAGE	FDEP	Class V Non-ASR	-	49	30	Biscayne	9/13/1996
4502	25° 42'	80° 15'	60668	BEL-AIR CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	49	44	Biscayne	8/6/1984
4503	25° 47'	80° 11'	60685	LANIER, BEN W.	FDEP	Class V Non-ASR	-	49	43	Biscayne	8/7/1984
4504	25° 49'	80° 15'	62272	NATIONAL CYLINDER GAS COMPANY	FDEP	Class V Non-ASR	-	49	47	Biscayne	11/15/1984
4505	25° 50'	80° 12'	62305	NORTHWEST HOSPITAL CLINIC	FDEP	Class V Non-ASR	-	49	47	Biscayne	10/9/1984
4506	25° 42'	80° 16'	60817	TIBEAU, C. P.	FDEP	Class V Non-ASR	-	49	40	Biscayne	8/16/1984
4507	25° 51	80° 7'	60157	HARDING GARDENS CONDOMINIUM	FDEP	Class V Non-ASR	-	49	43	Biscayne	8/10/1981
4508	25° 46'	80° 13'	64347	MOVIE MATIC IND. CORP.	FDEP	Class V Non-ASR	-	49	44	Biscayne	10/26/1984
4509	25° 43'	80° 16'	64402	HAGEN, MRS. DANIEL	FDEP	Class V Non-ASR	-	49	42	Biscayne	10/30/1984
4510	25° 52'	80° 11'	63775	MCGEARY, JOHN	FDEP	Class V Non-ASR	-	49	48	Biscayne	8/9/1984
4511	25° 53'	80° 7'	63863	KENILWORTH HOTEL	FDEP	Class V Non-ASR	-	49	41	Biscayne	9/5/1984
4512	25° 46'	80° 13'	63870	KESSLER & GARS	FDEP	Class V Non-ASR	-	49	42	Biscayne	9/5/1984
4513	25° 46'	80° 15'	63973	LEJUNE PRESBYTERIAN CHURCH	FDEP	Class V Non-ASR	-	49	42	Biscayne	9/26/1984
4514	25° 42'	80° 16'	63319	PRIVATE HOME (PATRICIA COMPRES)	FDEP	Class V Non-ASR	-	49	43	Biscayne	1/8/1985
4515	25° 46'	80° 7'	59501	OCEAN EDISON, INC.	FDEP	Class V Non-ASR	-	50	42	Biscayne	7/28/1994
4516	25° 44'	80° 13'	58473	L'HERMITAGE	FDEP	Class V Non-ASR	-	50	40	Biscayne	2/20/1991
4517	25° 44'	80° 13'	58537	L'HERMITAGE	FDEP	Class V Non-ASR	-	50	40	Biscayne	1/1/1981
4518	25° 52'	80° 9'	59386	CRICKET CLUB, THE	FDEP	Class V Non-ASR	-	50	42	Biscayne	5/27/1976
4519	25° 45'	80° 17'	61716	TIC-TAC-TOE, INC.	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/30/1984
4520	25° 45'	80° 18'	61738	TRAIL ANIMAL CLINIC	FDEP	Class V Non-ASR	-	50	0	Biscayne	1/29/2008
4521	25° 41'	80° 9'	62525	ZAYAS, FRANCISCO	FDEP	Class V Non-ASR	-	50	45	Biscayne	10/11/1984
4522	25° 49'	80° 12'	62538	INSCHO, FRANK	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/15/1984
4523	25° 43'	80° 14'	62546	ARBOR / KLEBBA, FRANK	FDEP	Class V Non-ASR	-	50	45	Biscayne	10/15/1984
4524	25° 47'	80° 11'	62565	WEISS, FRANK	FDEP	Class V Non-ASR	-	50	46	Biscayne	8/16/1985
4525	25° 42'	80° 15'	60950	CITY OF MIAMI	FDEP	Class V Non-ASR	-	50	50	Biscayne	8/23/1984
4526	25° 43'	80° 14'	60983	COCONUT GROVE EXCHANGE BANK	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/23/1984
4527	25° 47'	80° 11'	60987	COLUCCI APARTMENTS	FDEP	Class V Non-ASR	-	50	42	Biscayne	8/23/1984
4528	25° 49'	80° 16'	61776	U-M PUBLISHING, INC.	FDEP	Class V Non-ASR	-	50	45	Biscayne	8/1/1984
4529	25° 50'	80° 17'	61794	UNIVERSAL PRINTING	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/2/1984
4530	25° 41'	80° 16'	61803	STIEGLITZ, V. H.	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/2/1984
4531	25° 41'	80° 16'	62577	BERDINGS, FRED H.	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/18/1984
4532	25° 44'	80° 13'	62578	HART, FRED	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/18/1984
4533	25° 44'	80° 15'	62597	DAW, FREDRICK	FDEP	Class V Non-ASR	-	50	45	Biscayne	10/18/1984
4534	25° 44'	80° 15'	61038	CORAL GABLES 1ST NATIONAL BANK	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/27/1984
4535	25° 45'	80° 15'	61042	CORAL GARDENS	FDEP	Class V Non-ASR	-	50	45	Biscayne	8/24/1984
4536	25° 48'	80° 15'	62662	PRODUCTION FACILITY	FDEP	Class V Non-ASR	-	50	46	Biscayne	8/15/1984
4537	25° 42'	80° 15'	62672	SAUREZ, R. J.	FDEP	Class V Non-ASR	-	50	50	Biscayne	10/30/1984
4538	25° 54'	80° 9'	60309	HERCULES POLYMERS, INC.	FDEP	Class V Non-ASR	-	50	20	Biscayne	4/19/1984
4539	25° 48'	80° 16'	61084	DADE COUNTY PORT AUTHORITY	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/30/1984
4540	25° 50'	80° 14'	61094	DADE UTILITIES CO.	FDEP	Class V Non-ASR	-	50	47	Biscayne	8/30/1984
4541	25° 41'	80° 16'	61875	PRICE,SR., W. T.	FDEP	Class V Non-ASR	-	50	40	Biscayne	8/7/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
4542	25° 49'	80° 16'	61887	LANGFORD, WALLACE	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/7/1984
4543	25° 43'	80° 14'	61889	TREPTE, WALTER A.	FDEP	Class V Non-ASR	-	50	42	Biscayne	8/7/1984
4544	25° 41'	80° 9'	60354	CRANDON TOWERS CONDO, INC.	FDEP	Class V Non-ASR	-	50	40	Biscayne	4/12/1985
4545	25° 45'	80° 15'	60369	HILBRICK FUNERAL HOME	FDEP	Class V Non-ASR	-	50	50	Biscayne	6/27/1984
4546	25° 51'	80° 7'	60375	WHITE, A. D.	FDEP	Class V Non-ASR	-	50	0	Biscayne	6/28/1984
4547	25° 50'	80° 11'	61116	DARYL INDUSTRIES,INC.	FDEP	Class V Non-ASR	-	50	45	Biscayne	8/31/1984
4548	25° 50'	80° 8'	61127	WHITE, DAVID I.	FDEP	Class V Non-ASR	-	50	45	Biscayne	8/31/1984
4549	25° 51'	80° 15'	61136	WISH, DAVID O.	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/31/1984
4550	25° 43'	80° 15'	61140	TYLER, DAVID	FDEP	Class V Non-ASR	-	50	47	Biscayne	8/31/1984
4551	25° 44'	80° 15'	61916	WEBB CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/8/1984
4552	25° 42'	80° 15'	61923	WESSEL CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/9/1984
4553	25° 42'	80° 16'	61924	WESSEL CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/9/1984
4554	25° 44'	80° 20'	61928	WESTCHESTER HOMES, INC.	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/9/1984
4555	25° 50'	80° 9'	61935	WHITE STAR REALTY	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/9/1984
4556	25° 42'	80° 16'	61940	MCKINLEY, WILLIAM A.	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/10/1984
4557	25° 41'	80° 9'	61941	WILLIAM A. MILLS APARTMENTS	FDEP	Class V Non-ASR	-	50	50	Biscayne	8/10/1984
4558	25° 48'	80° 16'	61949	CAULEY, WILLIAM	FDEP	Class V Non-ASR	-	50	45	Biscayne	8/10/1984
4559	25° 47'	80° 14'	60425	ACME CONST. CO.	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/18/1984
4560	25° 50'	80° 11'	61146	DECIMAL, INC.	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/31/1984
4561	25° 47'	80° 7'	61159	FAIRFAX HOTEL	FDEP	Class V Non-ASR	-	50	46	Biscayne	1/1/1984
4562	25° 50'	80° 12'	61169	DIOCESE OF MIAMI	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/4/1984
4563	25° 48'	80° 14'	61194	SUTTON, DONALD W.	FDEP	Class V Non-ASR	-	50	45	Biscayne	9/4/1984
4564	25° 41'	80° 17'	61195	DONCASS REALTY	FDEP	Class V Non-ASR	-	50	44	Biscayne	9/4/1984
4565	25° 41'	80° 9'	61962	KING, WILLIAM K.	FDEP	Class V Non-ASR	-	50	50	Biscayne	8/10/1984
4566	25° 50'	80° 10'	61970	MECHANIC, WILLIAM	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/13/1984
4567	25° 50'	80° 11'	61992	WINTERS-BECKER, CORP.	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/13/1984
4568	25° 47'	80° 12'	61997	WINTERS-BECKER CORPORATION	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/13/1984
4569	25° 47'	80° 16'	60440	AERODEX, INC.	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/28/1984
4570	25° 50'	80° 14'	60444	AIR PRODUCTS & CHEMICALS, INC.	FDEP	Class V Non-ASR	-	50	48	Biscayne	7/20/1984
4571	25° 43'	80° 16'	60485	PHILLIPS, ALEX	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/26/1984
4572	25° 42'	80° 17'	61197	DORN PROPERTIES, INC.	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/4/1984
4573	25° 44'	80° 12'	61210	AMAZON, DR. JACK	FDEP	Class V Non-ASR	-	50	47	Biscayne	9/5/1984
4574	25° 48'	80° 13'	61222	RAY, C. C., DR.	FDEP	Class V Non-ASR	-	50	42	Biscayne	9/6/1984
4575	25° 40'	80° 16'	61231	POPPE, DR. F. P.	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/6/1984
4576	25° 54'	80° 12'	61246	CANTOR, DR. L. C.	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/6/1984
4577	25° 46'	80° 15'	62033	4TH CHURCH OF CHRIST SCIENTIST	FDEP	Class V Non-ASR	-	50	46	Biscayne	8/14/1984
4578	25° 48'	80° 11'	62037	GENERAL SEWING MACHINE, INC.	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/12/1984
4579	25° 43'	80° 16'	62046	BAYA, GEORGE	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/12/1984
4580	25° 49'	80° 15'	60499	ELLIS, ALFRED O.	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/27/1984
4581	25° 49'	80° 7'	60506	GREIF, ALIN	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/27/1984
4582	25° 51'	80° 15'	60529	AMERICAN SHEL-DEN CO.	FDEP	Class V Non-ASR	-	50	45	Biscayne	7/30/1984
4583	25° 45'	80° 17'	61263	DUFFY'S TAVERN	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/6/1984
4584	25° 42'	80° 15'	62065	WILSON, GEORGE M.	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/13/1984
4585	25° 46'	80° 15'	62072	HAGER, GEORGE T.	FDEP	Class V Non-ASR	-	50	46	Biscayne	11/16/1984
4586	25° 49'	80° 11'	62091	GERRITS, EDWARD AND LOUISE	FDEP	Class V Non-ASR	-	50	0	Biscayne	12/28/1984
4587	25° 42'	80° 15'	62104	DUVALL, GEORGE	FDEP	Class V Non-ASR	-	50	48	Biscayne	11/16/1984
4588	25° 53'	80° 14'	60542	REILEY, ANN	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/30/1984
4589	25° 46'	80° 18'	60555	ANTHONY & BRIDY, INC.	FDEP	Class V Non-ASR	-	50	48	Biscayne	7/31/1984
4590	25° 50'	80° 7'	60570	ARLEN OPERATING CO.	FDEP	Class V Non-ASR	-	50	40	Biscayne	7/31/1984
4591	25° 50'	80° 17'	62120	SALKOOF, GOODWIN	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/19/1984
4592	25° 50'	80° 14'	62126	GORVE'S CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	50	48	Biscayne	11/16/1984
4593	25° 42'	80° 15'	62137	BAKER, GRANT	FDEP	Class V Non-ASR	-	50	50	Biscayne	9/19/1984
4594	25° 45'	80° 18'	62162	TILLERY, H. B.	FDEP	Class V Non-ASR	-	50	42	Biscayne	9/20/1984
4595	25° 46'	80° 14'	60599	MORGAN, ARTHUR	FDEP	Class V Non-ASR	-	50	40	Biscayne	8/1/1984
4596	25° 48'	80° 11'	60633	MERRITT,B.	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/2/1984
4597	25° 49'	80° 7'	60635	OPPENEIMER, ROLLAND B.	FDEP	Class V Non-ASR	-	50	45	Biscayne	8/3/1984
4598	25° 48'	80° 14'	61358	PHILLIPS, ELIZABETH	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/11/1984
4599	25° 46'	80° 16'	61384	SHEPERD, S. L.	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/18/1984
4600	25° 47'	80° 8'	61390	S AND L APARTMENTS	FDEP	Class V Non-ASR	-	50	50	Biscayne	7/18/1984
4601	25° 49'	80° 15'	61396	SAFEWAY STEELE SCAFF COMPANY	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/27/1984
4602	25° 49'	80° 7'	60678	GRENALDO, BEN	FDEP	Class V Non-ASR	-	50	40	Biscayne	8/7/1984
4603	25° 48'	80° 8'	61402	FARBER, SAM	FDEP	Class V Non-ASR	-	50	48	Biscayne	7/18/1984
4604	25° 50'	80° 10'	61411	PAPANIA, SAM	FDEP	Class V Non-ASR	-	50	47	Biscayne	7/18/1984
4605	25° 43'	80° 16'	61422	SPAIRO, SAMUEL T.	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/18/1984
4606	25° 47'	80° 8'	61434	SAX FIFTH AVENUE	FDEP	Class V Non-ASR	-	50	47	Biscayne	7/19/1984
4607	25° 47'	80° 7'	61448	SEACOMBER HOTEL	FDEP	Class V Non-ASR	-	50	0	Biscayne	2/25/1985
4608	25° 53'	80° 12'	62257	NORTH MIAMI FIRE STATION	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/15/1984
4609	25° 53'	80° 10'	62258	NORTH MIAMI WATER & SEWERS	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/28/1984
4610	25° 44'	80° 13'	59936	L'HERMITAGE COCONUT GROVE	FDEP	Class V Non-ASR	-	50	40	Biscayne	5/21/1986
4611	25° 44'	80° 13'	59936	L'HERMITAGE COCONUT GROVE	FDEP	Class V Non-ASR	-	50	40	Biscayne	5/21/1986
4612	25° 44'	80° 13'	59936	L'HERMITAGE COCONUT GROVE	FDEP	Class V Non-ASR	-	50	40	Biscayne	5/21/1986
4613	25° 44'	80° 13'	59936	L'HERMITAGE COCONUT GROVE	FDEP	Class V Non-ASR	-	50	40	Biscayne	5/21/1986
4614	25° 44'	80° 13'	59936	L'HERMITAGE COCONUT GROVE	FDEP	Class V Non-ASR	-	50	40	Biscayne	5/21/1986
4615	25° 44'	80° 13'	59936	L'HERMITAGE COCONUT GROVE	FDEP	Class V Non-ASR	-	50	40	Biscayne	5/21/1986
4616	25° 44'	80° 13'	59936	L'HERMITAGE COCONUT GROVE	FDEP	Class V Non-ASR	-	50	40	Biscayne	5/21/1986
4617	25° 44'	80° 13'	59936	L'HERMITAGE COCONUT GROVE	FDEP	Class V Non-ASR	-	50	40	Biscayne	5/21/1986
4618	25° 44'	80° 13'	59936	L'HERMITAGE COCONUT GROVE	FDEP	Class V Non-ASR	-	50	40	Biscayne	5/21/1986
4619	25° 44'	80° 13'	59936	L'HERMITAGE COCONUT GROVE	FDEP	Class V Non-ASR	-	50	40	Biscayne	5/21/1986
4620	25° 42'	80° 16'	60697	KARBER, BRENT H.	FDEP	Class V Non-ASR	-	50	47	Biscayne	8/7/1984
4621	25° 49'	80° 14'	60719	BETHANY SDA CHURCH	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/8/1984
4622	25° 43'	80° 16'	61469	SHEELER-WINTON POOLS	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/19/1984
4623	25° 42'	80° 16'	61470	SHEELER-WINTON POOLS	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/19/1984
4624	25° 42'	80° 16'	61491	SIBA CORPORATION	FDEP	Class V Non-ASR	-	50	45	Biscayne	7/20/1984
4625	25° 53'	80° 7'	62270	SIEGAL, NATHAN	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/3/1984
4626	25° 43'	80° 16'	62271	BARON, NATHON E.	FDEP	Class V Non-ASR	-	50	42	Biscayne	11/15/1984
4627	25° 53'	80° 12'	62304	NORTHWEST BAPTIST CHURCH	FDEP	Class V Non-ASR	-	50	45	Biscayne	10/9/1984
4628	25° 48'	80° 14'	60754	BOOKER T. MOTEL	FDEP	Class V Non-ASR	-	50	47	Biscayne	8/10/1984
4629	25° 45'	80° 11'	61510	SIMPSON PARK APARTMENTS, INC.	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/20/1984
4630	25° 47'	80° 8'	61543	KLINE, SOLOMON	FDEP	Class V Non-ASR	-	50	45	Biscayne	7/28/1984

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
4631	25° 41'	80° 9'	62335	OCEAN FRONT CONDOMINIUM, INC.	FDEP	Class V Non-ASR	-	50	45	Biscayne	10/12/1984
4632	25° 46'	80° 7'	62337	OCEAN HAVEN HOTEL	FDEP	Class V Non-ASR	-	50	44	Biscayne	10/12/1984
4633	25° 47'	80° 14'	62345	KELLEY, OLIN	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/15/1984
4634	25° 50'	80° 9'	62352	ORANGE LIFE COMPANY	FDEP	Class V Non-ASR	-	50	50	Biscayne	10/15/1984
4635	25° 44'	80° 14'	62353	ORANGE STATE BUILDERS	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/15/1984
4636	25° 48'	80° 7'	62366	EMBASSY HOTEL	FDEP	Class V Non-ASR	-	50	42	Biscayne	9/21/1984
4637	25° 52'	80° 9'	60073	NORTHGATE TOWNHOUSE CONDOMINIUM	FDEP	Class V Non-ASR	-	50	40	Biscayne	1/23/2007
4638	25° 42'	80° 16'	60794	HUGHES, C. E.	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/16/1984
4639	25° 50'	80° 11'	60795	OXAR, C. E.	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/16/1984
4640	25° 44'	80° 15'	60798	HAUB, C. F.	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/16/1984
4641	25° 49'	80° 7'	60828	CAMPENELLI,INC.	FDEP	Class V Non-ASR	-	50	50	Biscayne	8/16/1984
4642	25° 42'	80° 16'	60837	BETER, CARL A.	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/17/1984
4643	25° 50'	80° 10'	60840	MORMAN, CARL	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/17/1984
4644	25° 43'	80° 15'	60843	PATTY, CARL	FDEP	Class V Non-ASR	-	50	50	Biscayne	8/17/1984
4645	25° 52'	80° 7'	61575	ST. JOSEPH'S CATHOLIC CHUECH	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/20/1984
4646	25° 46'	80° 7'	62375	ENTERPRISE HOUSING,INC.	FDEP	Class V Non-ASR	-	50	42	Biscayne	9/21/1984
4647	25° 46'	80° 7'	62375	ENTERPRISE HOUSING,INC.	FDEP	Class V Non-ASR	-	50	42	Biscayne	9/21/1984
4648	25° 42'	80° 15'	62376	ENERST CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/21/1984
4649	25° 52'	80° 12'	62386	CARLSON, EVANS M.	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/21/1984
4650	25° 54'	80° 11'	62406	F. VALLANI & SON	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/24/1984
4651	25° 45'	80° 17'	62408	HOOPER, F. W.	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/24/1984
4652	25° 53'	80° 7'	60851	CARLTON TERRACE ASSOCIATES	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/17/1984
4653	25° 43'	80° 15'	60877	GEE, CHARLES	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/28/1984
4654	25° 42'	80° 15'	60885	MULL, CHARLES	FDEP	Class V Non-ASR	-	50	40	Biscayne	8/20/1984
4655	25° 49'	80° 15'	60890	PODES, CHARLES	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/20/1984
4656	25° 45'	80° 15'	61605	HESSEN, STEPHEN	FDEP	Class V Non-ASR	-	50	47	Biscayne	7/23/1984
4657	25° 42'	80° 17'	61612	STEVENS MARKETS, INC.	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/23/1984
4658	25° 49'	80° 14'	61613	STEVENS MARKETS, INC.	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/23/1984
4659	25° 43'	80° 14'	61634	SUNNY ACRES POULTRY	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/24/1984
4660	25° 52'	80° 7'	61647	SURF & SAND APARTMENTS	FDEP	Class V Non-ASR	-	50	50	Biscayne	7/24/1984
4661	25° 46	80° 7'	62431	FIRESTONE TIRE & RUBBER	FDEP	Class V Non-ASR	-	50	45	Biscayne	9/26/1984
4662	25° 46'	80° 15'	62466	FLA. POWER & LIGHT	FDEP	Class V Non-ASR	-	50	46	Biscayne	9/28/1984
4663	25° 41'	80° 15'	60121	ROBERT B. BROOKS & MARY M. WHITE	FDEP	Class V Non-ASR	-	50	50	Biscayne	1/15/1985
4664	25° 41'	80° 9'	60132	KEY COLONY-RECREATION AREA PHASE I	FDEP	Class V Non-ASR	-	50	44	Biscayne	7/25/1978
4665	25° 52'	80° 10'	60900	WESENSTEN, CHARLES	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/20/1984
4666	25° 50'	80° 15'	60927	CITY GAS OF FLA.	FDEP	Class V Non-ASR	-	50	48	Biscayne	8/15/1985
4667	25° 45'	80° 15'	61656	BLACK, SYDNEY	FDEP	Class V Non-ASR	-	50	45	Biscayne	7/24/1984
4668	25° 53'	80° 7'	61678	T&B BLDG. CORP.	FDEP	Class V Non-ASR	-	50	45	Biscayne	7/25/1984
4669	25° 46	80° 11'	61682	TAYSTEE FOOD DISTRIBUTION	FDEP	Class V Non-ASR	-	50	48	Biscayne	7/25/1984
4670	25° 46'	80° 13'	61686	TEMPLE BETH EL	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/25/1984
4671	25° 47'	80° 7'	62476	FLORIDA POWER & LIGHT	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/4/1984
4672	25° 46'	80° 15'	62487	FLAGLER ST. BAPTIST CHURCH	FDEP	Class V Non-ASR	-	50	42	Biscayne	10/5/1984
4673	25° 46	80° 8'	62492	FLAMINGO TOWERS APTS.	FDEP	Class V Non-ASR	-	50	45	Biscayne	10/8/1984
4674	25° 47'	80° 13'	62500	LEWIS, FLOYD E.	FDEP	Class V Non-ASR	-	50	45	Biscayne	10/8/1984
4675	25° 50'	80° 9'	62504	FOOD FAIR STORES	FDEP	Class V Non-ASR	-	50	40	Biscayne	10/8/1984
4676	25° 50'	80° 9'	62504	FOOD FAIR STORES	FDEP	Class V Non-ASR	-	50	40	Biscayne	10/8/1984
4677	25° 46'	80° 8'	60154	ROYAL WEST CONDOMINIUM ASSOC., INC	FDEP	Class V Non-ASR	-	50	40	Biscayne	4/9/1981
4678	25° 43'	80° 16'	60175	ROBISON, THOMAS	FDEP	Class V Non-ASR	-	50	45	Biscayne	12/18/1985
4679	25° 42'	80° 16'	64173	BOOTHE, MARVIAN L.	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/12/1984
4680	25° 50'	80° 17'	64184	MARYLAND FRIED CHICKEN	FDEP	Class V Non-ASR	-	50	45	Biscayne	10/15/1984
4681	25° 47'	80° 9'	63426	HALL HERMAN	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/6/1984
4682	25° 41'	80° 9'	64219	RUBEL, MELVIN	FDEP	Class V Non-ASR	-	50	44	Biscayne	10/18/1984
4683	25° 45'	80° 17'	64226	MERCHANTS BANK OF MIA.	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/22/1984
4684	25° 50'	80° 15'	64229	LIMBECK, MERLE W.	FDEP	Class V Non-ASR	-	50	45	Biscayne	1/4/1985
4685	25° 51	80° 7'	64239	MIAMI BEACH FEDERAL BANK	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/22/1984
4686	25° 46'	80° 13'	64240	MIAMI BUREAU OF REALTORS	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/22/1984
4687	25° 49'	80° 16'	63443	HIALEAH-MIAMI SPGS. JEW CTR.	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/6/1984
4688	25° 50'	80° 16'	63446	HIALEAH HOSPITAL	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/6/1984
4689	25° 46'	80° 13'	63462	HOME MORTGAGE CO. OF FLA.	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/6/1984
4690	25° 46'	80° 16'	64274	MIAMI 2ND WARD L. D. SCHOOL	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/23/1984
4691	25° 50'	80° 17'	64286	MIAMI TAB & CARD MFG. CORP.	FDEP	Class V Non-ASR	-	50	46	Biscayne	10/24/1984
4692	25° 42'	80° 16'	63489	PETERSON, HOWARD	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/9/1984
4693	25° 42'	80° 18'	63515	INTERNATIONAL MOVIE PRODUCTION	FDEP	Class V Non-ASR	-	50	48	Biscayne	7/9/1984
4694	25° 49'	80° 12'	63518	INTERSTATE SEC. COMPANY	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/9/1984
4695	25° 43'	80° 16'	64315	MILLER, MITCHEL P.	FDEP	Class V Non-ASR	-	50	45	Biscayne	10/24/1984
4696	25° 50'	80° 13'	64324	MOMAR CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/24/1984
4697	25° 53'	80° 9'	64326	MONITO CORPORATION	FDEP	Class V Non-ASR	-	50	46	Biscayne	10/24/1984
4698	25° 45'	80° 17'	64327	MONREO BROTHERS, INC.	FDEP	Class V Non-ASR	-	50	48	Biscayne	10/24/1984
4699	25° 49'	80° 13'	64350	MARTIN, MR. ALBERBO	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/29/1984
4700	25° 40'	80° 17'	62780	PINECREST UNITED PRESBYTERIAN CHURCH	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/26/1984
4701	25° 48'	80° 15'	62791	POLAR PALACE, INC.	FDEP	Class V Non-ASR	-	50	45	Biscayne	10/29/1984
4702	25° 46'	80° 15'	62807	PURE OIL COMPANY	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/14/1984
4703	25° 50'	80° 14'	63548	J. A. CANTON ASSOCIATES	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/11/1984
4704	25° 52'	80° 11'	63572	MOCK, J. H.	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/11/1984
4705	25° 53'	80° 7'	64367	ZUCKERMAN, MR. I.	FDEP	Class V Non-ASR	-	50	45	Biscayne	10/29/1984
4706	25° 45'	80° 16'	64368	ROULEFOGEL, J. F.	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/29/1984
4707	25° 43'	80° 16'	64370	COLROSS, JAMES	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/29/1984
4708	25° 42'	80° 15'	64371	HUNTER, MR. JOY C.	FDEP	Class V Non-ASR	-	50	47	Biscayne	10/29/1984
4709	25° 42'	80° 16'	64395	MESSLER, MRS. A. A.	FDEP	Class V Non-ASR	-	50	50	Biscayne	10/30/1984
4710	25° 42'	80° 16'	64403	SMITH, DWIGHT	FDEP	Class V Non-ASR	-	50	48	Biscayne	10/30/1984
4711	25° 42'	80° 16'	62738	COMPARE, PAUL	FDEP	Class V Non-ASR	-	50	36	Biscayne	11/14/1984
4712	25° 48'	80° 13'	62743	RYMARQUIS, PAUL J.	FDEP	Class V Non-ASR	-	50	45	Biscayne	11/14/1984
4713	25° 52'	80° 10'	62744	KINNEY, PAUL	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/14/1984
4714	25° 45'	80° 12'	62745	NASRALLAH, PAUL	FDEP	Class V Non-ASR	-	50	47	Biscayne	11/14/1984
4715	25° 49'	80° 13'	62754	PENTECOSTAL CHURCH	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/25/1984
4716	25° 45'	80° 13'	62757	PERENO ENGINEERING COMPANY	FDEP	Class V Non-ASR	-	50	46	Biscayne	11/14/1984
4717	25° 47'	80° 13'	63601	DAVIS, J. S.	FDEP	Class V Non-ASR	-	50	45	Biscayne	7/12/1984
4718	25° 48'	80° 8'	63607	TORRE, J.	FDEP	Class V Non-ASR	-	50	48	Biscayne	7/13/1984
4719	25° 49'	80° 12'	63609	INSCHO, J. W., JR.	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/13/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
4720	25° 53'	80° 9'	64404	BIELER, MRS. ELIZABETH	FDEP	Class V Non-ASR	-	50	50	Biscayne	10/30/1984
4721	25° 44'	80° 12'	64407	LEVY, IRA	FDEP	Class V Non-ASR	-	50	45	Biscayne	10/30/1984
4722	25° 49'	80° 12'	64414	BUDDE, MRS. R. R.	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/30/1984
4723	25° 43'	80° 14'	64448	ZINN, MRS. R. C.	FDEP	Class V Non-ASR	-	50	45	Biscayne	10/31/1984
4724	25° 39'	80° 18'	62839	R. C. COLLINS	FDEP	Class V Non-ASR	-	50	46	Biscayne	11/13/1984
4725	25° 50'	80° 10'	63649	HARTNEY, JAMES A.	FDEP	Class V Non-ASR	-	50	42	Biscayne	7/19/1984
4726	25° 45'	80° 15'	63677	JAMES J. JOHNSON	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/25/1984
4727	25° 48'	80° 8'	64457	MT. SINAI HOSPITAL	FDEP	Class V Non-ASR	-	50	50	Biscayne	10/31/1984
4728	25° 46'	80° 8'	64461	SMITH, MURRAY, D.D.S.	FDEP	Class V Non-ASR	-	50	44	Biscayne	10/31/1984
4729	25° 54'	80° 10'	64464	NORTH DADE JEWISH CENTER	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/31/1984
4730	25° 41'	80° 16'	62881	TAZER, RALIEGH	FDEP	Class V Non-ASR	-	50	45	Biscayne	11/15/1984
4731	25° 53'	80° 9'	62888	RANCHER MOTEL	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/16/1984
4732	25° 53'	80° 14'	62908	REDEMPTIONS FATHERS	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/19/1984
4733	25° 47'	80° 13'	62910	REGENCY HOUSE APARTMENTS	FDEP	Class V Non-ASR	-	50	50	Biscayne	11/19/1984
4734	25° 47'	80° 7'	62911	REGENT HOTEL	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/19/1984
4735	25° 53'	80° 8'	62919	COFFIN, GEORGE	FDEP	Class V Non-ASR	-	50	35	Biscayne	11/19/1984
4736	25° 50'	80° 10'	62920	DEMOPOLES, GEORGE	FDEP	Class V Non-ASR	-	50	38	Biscayne	11/19/1984
4737	25° 43'	80° 14'	62924	GROVE CLEANERS	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/19/1984
4738	25° 46'	80° 13'	63686	JAMES, PAUL	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/25/1984
4739	25° 43'	80° 16'	63703	FRATES, JEAN	FDEP	Class V Non-ASR	-	50	0	Biscayne	7/31/1984
4740	25° 47'	80° 7'	63705	JEFFERSON HOTEL	FDEP	Class V Non-ASR	-	50	33	Biscayne	7/31/1984
4741	25° 48'	80° 15'	63727	JET AVION CORPORATION	FDEP	Class V Non-ASR	-	50	45	Biscayne	7/31/1984
4742	25° 41'	80° 9'	62988	BASKER, RICHARD C.	FDEP	Class V Non-ASR	-	50	46	Biscayne	11/19/1984
4743	25° 44'	80° 16'	62991	WOLFSON, RICHARD F.	FDEP	Class V Non-ASR	-	50	42	Biscayne	11/19/1984
4744	25° 49'	80° 10'	63028	CLAIBORNE, ROBERT C.	FDEP	Class V Non-ASR	-	50	45	Biscayne	11/27/1984
4745	25° 41'	80° 9'	63744	JOFRAN CORPORATION	FDEP	Class V Non-ASR	-	50	42	Biscayne	8/1/1984
4746	25° 46'	80° 14'	63750	JOHN AVANT CONSTRUCTION	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/1/1984
4747	25° 41'	80° 16'	63751	BERRY, JOHN	FDEP	Class V Non-ASR	-	50	40	Biscayne	8/1/1984
4748	25° 43'	80° 15'	63765	GREIST, JOHN	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/7/1984
4749	25° 49'	80° 11'	63782	JOHN SAXON ESTATE	FDEP	Class V Non-ASR	-	50	45	Biscayne	8/9/1984
4750	25° 50'	80° 12'	63786	VALANIK, JOHN	FDEP	Class V Non-ASR	-	50	0	Biscayne	8/9/1984
4751	25° 50'	80° 11'	62946	HALL, O.E.	FDEP	Class V Non-ASR	-	50	44	Biscayne	11/21/1984
4752	25° 51'	80° 15'	62957	PEARCE-SIMPSON, INC.	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/21/1984
4753	25° 46'	80° 17'	62971	OLEKSIN, FRED, REV.	FDEP	Class V Non-ASR	-	50	45	Biscayne	11/19/1984
4754	25° 44'	80° 16'	62974	COMBER, REV. MONSIG.	FDEP	Class V Non-ASR	-	50	48	Biscayne	11/19/1984
4755	25° 49'	80° 13'	62975	KELLEY, REV. THOMAS C., JR.	FDEP	Class V Non-ASR	-	50	50	Biscayne	11/19/1984
4756	25° 43'	80° 14'	63806	DARA, JOSEPH	FDEP	Class V Non-ASR	-	50	45	Biscayne	11/26/1985
4757	25° 43'	80° 14'	63812	KREFETZ, JOSEPH	FDEP	Class V Non-ASR	-	50	45	Biscayne	8/13/1984
4758	25° 42'	80° 15'	63833	HILL, JUDSON	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/5/1984
4759	25° 42'	80° 15'	63838	YOUNG, JULIUS	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/5/1984
4760	25° 46'	80° 11'	63029	ROBERT CLAY HOTEL	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/27/1984
4761	25° 47'	80° 9'	63051	HART, ROBERT	FDEP	Class V Non-ASR	-	50	40	Biscayne	11/27/1984
4762	25° 42'	80° 15'	63053	GARVETT. ROBERT J.	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/27/1984
4763	25° 45'	80° 11'	63057	ROBERT L. TURCHIN, INC.	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/27/1984
4764	25° 40'	80° 16'	63059	SPIECKER, ROBERT M.	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/27/1984
4765	25° 48'	80° 7'	63065	ROBERT RICHTER HOT.	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/28/1984
4766	25° 47'	80° 16'	63072	TURA, ROBERT	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/28/1984
4767	25° 46'	80° 15'	63850	KAY'S HARDWARE	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/5/1984
4768	25° 41'	80° 15'	63854	KELVAY CONTRACTING CO.	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/5/1984
4769	25° 40'	80° 18'	63858	KENDALL DRUG CO.	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/5/1984
4770	25° 40'	80° 19'	63859	KENDALL METHODIST CHURCH	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/5/1984
4771	25° 40'	80° 19'	63860	KENDALL METHODIST CHURCH	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/5/1984
4772	25° 40'	80° 16'	63102	ROVIN CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	50	50	Biscayne	11/28/1984
4773	25° 46'	80° 7'	63110	ROYAL ATLANTIC, INC.	FDEP	Class V Non-ASR	-	50	45	Biscayne	11/29/1984
4774	25° 45'	80° 12'	63119	MAICHIN, RUDOLPH	FDEP	Class V Non-ASR	-	50	0	Biscayne	11/29/1984
4775	25° 48'	80° 17'	63926	L.S. SMITH AIRCRAFT FAC.	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/25/1984
4776	25° 52'	80° 13'	63941	LAKEVIEW METHODIST CHURCH	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/25/1984
4777	25° 52'	80° 13'	63941	LAKEVIEW METHODIST CHURCH	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/25/1984
4778	25° 43'	80° 16'	63182	CRISS, CECIL M.	FDEP	Class V Non-ASR	-	50	46	Biscayne	12/28/1984
4779	25° 45'	80° 20'	63183	CENTRAL BIBLE CHURCH	FDEP	Class V Non-ASR	-	50	42	Biscayne	12/28/1984
4780	25° 53'	80° 10'	63185	FIRST BAPTIST CHURCH OF NORTH MIAMI	FDEP	Class V Non-ASR	-	50	48	Biscayne	1/29/2008
4781	25° 42'	80° 16'	63193	FROEHLICH, PATRICIA M.	FDEP	Class V Non-ASR	-	50	50	Biscayne	12/28/1984
4782	25° 42'	80° 15'	63196	DANE, GEORGE P.	FDEP	Class V Non-ASR	-	50	50	Biscayne	1/2/1985
4783	25° 49'	80° 12'	63198	ALL MIAMI PRESS, INC.	FDEP	Class V Non-ASR	-	50	0	Biscayne	1/29/2008
4784	25° 46'	80° 16'	63200	FIRST OPEN BIBLE CHURCH	FDEP	Class V Non-ASR	-	50	40	Biscayne	9/26/1984
4785	25° 51'	80° 11'	63210	MCLENDON, MARY ELLEN	FDEP	Class V Non-ASR	-	50	46	Biscayne	1/2/1985
4786	25° 45'	80° 11'	63950	LARKIN TRAVEL, INC.	FDEP	Class V Non-ASR	-	50	50	Biscayne	9/25/1984
4787	25° 42'	80° 16'	63951	FRIEDMAN, LARRY	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/25/1984
4788	25° 43'	80° 19'	63964	JOHNSON, LEE P.	FDEP	Class V Non-ASR	-	50	50	Biscayne	9/25/1984
4789	25° 43'	80° 19'	63964	JOHNSON, LEE P.	FDEP	Class V Non-ASR	-	50	50	Biscayne	9/25/1984
4790	25° 43'	80° 19'	63964	JOHNSON, LEE P.	FDEP	Class V Non-ASR	-	50	50	Biscayne	9/25/1984
4791	25° 50'	80° 7'	63985	CHAVES, LEON	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/26/1984
4792	25° 50'	80° 13'	63131	HOLY REDEEMER CHURCH	FDEP	Class V Non-ASR	-	50	40	Biscayne	12/27/1984
4793	25° 49'	80° 10'	63133	HILLS, LEE	FDEP	Class V Non-ASR	-	50	50	Biscayne	12/27/1984
4794	25° 43'	80° 20'	63159	MCARTHUR, WILLIAM S.	FDEP	Class V Non-ASR	-	50	0	Biscayne	12/28/1984
4795	25° 53'	80° 11'	63177	BETHANY COVENANT CHURCH	FDEP	Class V Non-ASR	-	50	0	Biscayne	12/28/1984
4796	25° 45'	80° 14'	63998	LATHAM, LEONARD	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/26/1984
4797	25° 44'	80° 15'	64001	SHAN, LEONARD	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/26/1984
4798	25° 44'	80° 16'	64002	SIMS, LEONARD	FDEP	Class V Non-ASR	-	50	45	Biscayne	9/26/1984
4799	25° 51'	80° 15'	64015	MISCHEN, LESTER	FDEP	Class V Non-ASR	-	50	45	Biscayne	9/27/1984
4800	25° 49'	80° 15'	64021	LIFE-LIKE TRAINS	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/27/1984
4801	25° 50'	80° 7'	64024	HEYMAN, LINDA	FDEP	Class V Non-ASR	-	50	40	Biscayne	9/27/1984
4802	25° 46'	80° 8'	64025	LINDSLEY LUMBER COMPANY	FDEP	Class V Non-ASR	-	50	0	Biscayne	9/27/1984
4803	25° 50'	80° 12'	64029	LITTLE RIVER BAPTIST CHURCH	FDEP	Class V Non-ASR	-	50	46	Biscayne	9/27/1984
4804	25° 48'	80° 12'	65505	FDOT SR 25/NW 36TH STREET	FDEP	Class V Non-ASR	-	50	40	Biscayne	5/29/1996
4805	25° 46'	80° 11'	63233	GABLES POST CENTER PARTNERSHIP	FDEP	Class V Non-ASR	-	50	50	Biscayne	1/3/1985
4806	25° 48'	80° 15'	63234	AIMCO IRON & METAL CO.	FDEP	Class V Non-ASR	-	50	40	Biscayne	8/15/1985
4807	25° 52'	80° 13'	63256	ST. VINCENT DE PAUL R.C. CHURCH	FDEP	Class V Non-ASR	-	50	0	Biscayne	1/4/1985
4808	25° 45'	80° 15'	63259	SOCIETY CLEANERS	FDEP	Class V Non-ASR	-	50	50	Biscayne	1/29/2008

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
4809	25° 45'	80° 13'	63261	SHENANDOAH PRESBYTERIAN CHURCH	FDEP	Class V Non-ASR	-	50	46	Biscayne	1/4/1985
4810	25° 44'	80° 17'	63269	SWINK, MURIEL S.	FDEP	Class V Non-ASR	-	50	0	Biscayne	1/4/1985
4811	25° 44'	80° 13'	64087	PICARD, M. A.	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/5/1984
4812	25° 45'	80° 14'	64089	GARRIS, M.B. SR.	FDEP	Class V Non-ASR	-	50	44	Biscayne	10/5/1984
4813	25° 43'	80° 16'	63293	CORDES, HORACE F.	FDEP	Class V Non-ASR	-	50	0	Biscayne	1/9/1985
4814	25° 52'	80° 11'	63295	CUNNINGHAM, KENNETH & MARIA	FDEP	Class V Non-ASR	-	50	46	Biscayne	1/9/1985
4815	25° 44'	80° 13'	63297	BUTT, DAVID R.	FDEP	Class V Non-ASR	-	50	0	Biscayne	1/9/1985
4816	25° 51'	80° 11'	63307	FITZGERALD, MARTHA H.	FDEP	Class V Non-ASR	-	50	47	Biscayne	1/9/1985
4817	25° 46'	80° 7'	63312	OCEAN POINT ASSOC, INC.	FDEP	Class V Non-ASR	-	50	45	Biscayne	1/8/1985
4818	25° 50'	80° 7'	63321	PEAIRS, ROBERTA	FDEP	Class V Non-ASR	-	50	45	Biscayne	1/29/2008
4819	25° 42'	80° 16'	64112	BRISCO, M. MILO	FDEP	Class V Non-ASR	-	50	50	Biscayne	10/9/1984
4820	25° 45'	80° 14'	64121	MACKLE COMPANY, INC.	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/9/1984
4821	25° 46'	80° 15'	64134	MANSENE'S SPAGHETTI HOUSE	FDEP	Class V Non-ASR	-	50	0	Biscayne	10/11/1984
4822	25° 46'	80° 11'	88785	MIAMI BRICKELL STORAGE MART	FDEP	Class V Non-ASR	-	50	35	Biscayne	2/22/2002
4823	25° 48'	80° 7'	95427	SAMUAL ROTH	FDEP	Class V Non-ASR	-	50	42	Biscayne	9/12/1986
4824	25° 51	80° 7'	95431	N. SCHREIBER	FDEP	Class V Non-ASR	-	50	40	Biscayne	5/29/1979
4825	25° 47'	80° 8'	95027	FLOVEN INVESTMENT INC.	FDEP	Class V Non-ASR	-	50	40	Biscayne	8/13/1980
4826	25° 46'	80° 8'	95035	MITCHELL RUBINSON	FDEP	Class V Non-ASR	-	50	40	Biscayne	10/10/1985
4827	25° 50'	80° 7'	104281	BERNARD HUDNER	FDEP	Class V Non-ASR	-	50	42	Biscayne	1/1/1970
4828	25° 49'	80° 7'	104354	SIG GLUKSTAD	FDEP	Class V Non-ASR	-	50	45	Biscayne	1/1/1970
4829	25° 41'	80° 9'	104355	MICHAEL FORTIER	FDEP	Class V Non-ASR	-	50	45	Biscayne	1/1/1970
4830	25° 44'	80° 9'	56557	102 INCH FORCE MAIN AT VIRGINIA KEY	FDEP	Class V Non-ASR	-	51	45	Biscayne	7/28/1994
4831	25° 50'	80° 7'	59339	MAISON PACO RABANNE	FDEP	Class V Non-ASR	-	51	32	Biscayne	6/21/1994
4832	25° 47'	80° 8'	60199	BAY ROAD CONDO.	FDEP	Class V Non-ASR	-	51	44	Biscayne	2/25/1982
4833	25° 42'	80° 19'	60965	RAMSEY, CLARENCE M.	FDEP	Class V Non-ASR	-	51	46	Biscayne	8/23/1984
4834	25° 42'	80° 16'	61784	UNITED ENGINEERING CORP.	FDEP	Class V Non-ASR	-	51	48	Biscayne	8/1/1984
4835	25° 43'	80° 15'	61811	VARNEY SCALE MODELS	FDEP	Class V Non-ASR	-	51	45	Biscayne	8/2/1984
4836	25° 44'	80° 14'	61873	PRICE, W. T.	FDEP	Class V Non-ASR	-	51	0	Biscayne	8/7/1984
4837	25° 46'	80° 13'	61896	STEVENS, WALTER	FDEP	Class V Non-ASR	-	51	49	Biscayne	8/7/1984
4838	25° 46'	80° 12'	60451	BERJIWUTZ, AL	FDEP	Class V Non-ASR	-	51	47	Biscayne	7/20/1984
4839	25° 47'	80° 14'	62090	GERMAN-AMERICAN CLUB	FDEP	Class V Non-ASR	-	51	48	Biscayne	9/18/1984
4840	25° 51'	80° 7'	60129	ADLIG CORPORATION	FDEP	Class V Non-ASR	-	51	47	Biscayne	1/22/1981
4841	25° 51'	80° 7'	60151	HARDING VILLAS CONDOMINIUM	FDEP	Class V Non-ASR	-	51	43	Biscayne	8/5/1981
4842	25° 45'	80° 13'	63334	SEGURA, RICARDO	FDEP	Class V Non-ASR	-	51	49	Biscayne	1/29/2008
4843	25° 44'	80° 13'	64162	BELLE, MARTIN MD	FDEP	Class V Non-ASR	-	51	48	Biscayne	10/12/1984
4844	25° 51'	80° 7'	63407	ABRAMS HERBERT	FDEP	Class V Non-ASR	-	51	48	Biscayne	7/5/1984
4845	25° 44'	80° 16'	63422	ZELEARNTER, HERBERT	FDEP	Class V Non-ASR	-	51	48	Biscayne	7/6/1984
4846	25° 47'	80° 14'	64209	MCDONALD AIR CONDITIONING COMPANY	FDEP	Class V Non-ASR	-	51	45	Biscayne	10/17/1984
4847	25° 43'	80° 15'	64299	MILLER & SOLOMON, INC.	FDEP	Class V Non-ASR	-	51	42	Biscayne	10/24/1984
4848	25° 49'	80° 15'	62909	REGALINE FURNITURE INC.	FDEP	Class V Non-ASR	-	51	47	Biscayne	11/19/1984
4849	25° 42'	80° 16'	63018	RIVIERA PRESBYTERIAN CHURCH	FDEP	Class V Non-ASR	-	51	46	Biscayne	11/26/1984
4850	25° 41'	80° 16'	63019	THOMAS, IRVING J.	FDEP	Class V Non-ASR	-	51	46	Biscayne	11/26/1984
4851	25° 45	80° 11'	62954	PALATSKY DISTRIBUTORS	FDEP	Class V Non-ASR	-	51	47	Biscayne	11/21/1984
4852	25° 53'	80° 7'	63864	KENILWORTH HOTEL	FDEP	Class V Non-ASR	-	51	45	Biscayne	9/5/1984
4853	25° 42'	80° 15'	63220	KIRSH, DAVID	FDEP	Class V Non-ASR	-	51	47	Biscayne	1/3/1985
4854	25° 41'	80° 16'	63132	HOGG, JESSE S.	FDEP	Class V Non-ASR	-	51	47	Biscayne	12/27/1984
4855	25° 46'	80° 8'	94972	ANA INVESTMENTS	FDEP	Class V Non-ASR	-	51	47	Biscayne	11/22/1978
4856	25° 50'	80° 9'	61742	TREASURE, INC.	FDEP	Class V Non-ASR	-	52	46	Biscayne	7/31/1984
4857	25° 49'	80° 15'	62539	MARTIN, FRANK J.	FDEP	Class V Non-ASR	-	52	50	Biscayne	10/15/1984
4858	25° 47'	80° 8'	60199	BAY ROAD CONDO.	FDEP	Class V Non-ASR	-	52	45	Biscayne	2/24/1982
4859	25° 45'	80° 12'	60295	BRICKELL PARK CONDOMINIUM	FDEP	Class V Non-ASR	-	52	40	Biscayne	4/24/1980
4860	25° 47'	80° 11'	60415	KRAVITZ, AARON	FDEP	Class V Non-ASR	-	52	50	Biscayne	8/16/1985
4861	25° 43'	80° 16'	60416	WEINKLE, AARON	FDEP	Class V Non-ASR	-	52	49	Biscayne	7/17/1984
4862	25° 43'	80° 16'	60434	ROWLAND, ADDIS	FDEP	Class V Non-ASR	-	52	48	Biscayne	7/20/1984
4863	25° 43'	80° 15'	61968	LEJEUNE, WILLIAM	FDEP	Class V Non-ASR	-	52	45	Biscayne	8/13/1984
4864	25° 46'	80° 8'	60450	AIRKO AIR CONDITION	FDEP	Class V Non-ASR	-	52	52	Biscayne	7/28/1984
4865	25° 46'	80° 8'	60532	AN-NELL HOTEL	FDEP	Class V Non-ASR	-	52	42	Biscayne	7/30/1984
4866	25° 45'	80° 12'	62123	GORDON FUNERAL HOME	FDEP	Class V Non-ASR	-	52	47	Biscayne	9/19/1984
4867	25° 45'	80° 15'	60651	BARCELONA GARDENS	FDEP	Class V Non-ASR	-	52	51	Biscayne	8/6/1984
4868	25° 48'	80° 11'	62261	NASRALLAH BROTHERS CONS.	FDEP	Class V Non-ASR	-	52	48	Biscayne	11/15/1984
4869	25° 44'	80° 15'	61477	THE COLLECTION	FDEP	Class V Non-ASR	-	52	49	Biscayne	1/4/1985
4870	25° 44'	80° 14'	62360	OSTROFF BAR	FDEP	Class V Non-ASR	-	52	49	Biscayne	10/15/1984
4871	25° 48'	80° 7'	60088	TRITON TOWER CONDOMINIUM	FDEP	Class V Non-ASR	-	52	35	Biscayne	1/15/1985
4872	25° 49'	80° 17'	60802	JOHNSON, C. H.	FDEP	Class V Non-ASR	-	52	0	Biscayne	8/16/1984
4873	25° 48'	80° 16'	60807	POUNDS,C.J.	FDEP	Class V Non-ASR	-	52	46	Biscayne	8/16/1984
4874	25° 46'	80° 14'	60880	KATZMAN, CHARLES	FDEP	Class V Non-ASR	-	52	47	Biscayne	8/20/1984
4875	25° 45'	80° 15'	60123	FACILITY OF C.G.W. CLUB	FDEP	Class V Non-ASR	-	52	49	Biscayne	8/25/1983
4876	25° 41'	80° 9'	60132	KEY COLONY-RECREATION AREA PHASE I	FDEP	Class V Non-ASR	-	52	43	Biscayne	7/25/1978
4877	25° 43'	80° 16'	60899	WARNER, CHARLES	FDEP	Class V Non-ASR	-	52	45	Biscayne	8/20/1984
4878	25° 43'	80° 17'	63395	FRIEDMAN, HENRY	FDEP	Class V Non-ASR	-	52	50	Biscayne	7/5/1984
4879	25° 48'	80° 16'	64317	MILLER, MITCHELL	FDEP	Class V Non-ASR	-	52	0	Biscayne	10/24/1984
4880	25° 53'	80° 11'	64397	BEHNHE, MRS. ALICE	FDEP	Class V Non-ASR	-	52	48	Biscayne	10/30/1984
4881	25° 42'	80° 15'	63586	ENGSTROM, J. L.	FDEP	Class V Non-ASR	-	52	45	Biscayne	7/12/1984
4882	25° 51'	80° 10'	63599	RITTER, J.	FDEP	Class V Non-ASR	-	52	44	Biscayne	7/12/1984
4883	25° 48'	80° 17'	64434	KORTH, MRS. HOWARD	FDEP	Class V Non-ASR	-	52	51	Biscayne	10/31/1984
4884	25° 42'	80° 16'	63644	POSKANZER, JACOB B.	FDEP	Class V Non-ASR	-	52	47	Biscayne	7/19/1984
4885	25° 49'	80° 15'	63125	RUSSELL ALUMINUM	FDEP	Class V Non-ASR	-	52	46	Biscayne	8/15/1985
4886	25° 47'	80° 8'	63979	CHARKIN, LEO	FDEP	Class V Non-ASR	-	52	49	Biscayne	9/26/1984
4887	25° 49'	80° 17'	64096	DORNSTAUDER, M.	FDEP	Class V Non-ASR	-	52	50	Biscayne	10/5/1984
4888	25° 47'	80° 11'	90097	BISCAYNE VILLAGE	FDEP	Class V Non-ASR	-	52	37	Biscayne	1/21/2003
4889	25° 45'	80° 11'	91305	THE SAIL CONDOMINIUMS	FDEP	Class V Non-ASR	-	52	37	Biscayne	12/3/2003
4890	25° 48'	80° 15'	61781	UNI-VINYL CORP.	FDEP	Class V Non-ASR	-	53	50	Biscayne	8/1/1984
4891	25° 45'	80° 15'	61002	CONTINENTAL VILLA	FDEP	Class V Non-ASR	-	53	50	Biscayne	8/24/1984
4892	25° 41'	80° 17'	62664	STOVER, R. F.	FDEP	Class V Non-ASR	-	53	50	Biscayne	10/30/1984
4893	25° 49'	80° 7'	60333	PATCHER, IRVIN	FDEP	Class V Non-ASR	-	53	48	Biscayne	2/1/1985
4894	25° 47'	80° 7'	61107	TARADASH, DANIEL	FDEP	Class V Non-ASR	-	53	50	Biscayne	8/31/1984
4895	25° 49'	80° 17'	61126	GILSON, DAVID	FDEP	Class V Non-ASR	-	53	52	Biscayne	8/31/1984
4896	25° 45'	80° 13'	60426	ACME CONSTRUCTION	FDEP	Class V Non-ASR	-	53	50	Biscayne	7/18/1984
4897	25° 47'	80° 12'	61174	DIXIE FORMS PRODUCTS.	FDEP	Class V Non-ASR	-	53	45	Biscayne	9/4/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
4898	25° 44'	80° 15'	60486	SMITH, ALEX	FDEP	Class V Non-ASR	-	53	50	Biscayne	7/26/1984
4899	25° 46'	80° 16'	62013	YOUR LITTLE DEPARTMENT STORE	FDEP	Class V Non-ASR	-	53	51	Biscayne	8/14/1984
4900	25° 50'	80° 15'	62116	GOLDEN NEEDLE IND., INC.	FDEP	Class V Non-ASR	-	53	48	Biscayne	9/19/1984
4901	25° 54'	80° 9'	61352	WEIGEL, ELEANOR	FDEP	Class V Non-ASR	-	53	44	Biscayne	9/11/1984
4902	25° 49'	80° 15'	60701	ELLINS, DDS.	FDEP	Class V Non-ASR	-	53	50	Biscayne	8/8/1984
4903	25° 51'	80° 10'	60750	BLUMBERG REALTY CO.	FDEP	Class V Non-ASR	-	53	47	Biscayne	8/10/1984
4904	25° 45'	80° 13'	60765	BRESLAUER APTS.	FDEP	Class V Non-ASR	-	53	47	Biscayne	8/15/1984
4905	25° 51'	80° 15'	61526	SO. EASTERN UTILITIES	FDEP	Class V Non-ASR	-	53	49	Biscayne	7/20/1984
4906	25° 51'	80° 15'	61528	SO. FLA. PLASTICS INC.	FDEP	Class V Non-ASR	-	53	49	Biscayne	7/20/1984
4907	25° 42'	80° 15'	62357	LANGSTON, ORVILLE	FDEP	Class V Non-ASR	-	53	50	Biscayne	10/15/1984
4908	25° 49'	80° 16'	61578	ST. JOHN APOSTLES CATH. CHURCH	FDEP	Class V Non-ASR	-	53	48	Biscayne	7/20/1984
4909	25° 51'	80° 7'	60162	FEDCO	FDEP	Class V Non-ASR	-	53	48	Biscayne	7/29/1983
4910	25° 45'	80° 14'	62767	PAVER, PHIL	FDEP	Class V Non-ASR	-	53	48	Biscayne	11/14/1984
4911	25° 41'	80° 15'	64409	RUDNICK, MRS. M.	FDEP	Class V Non-ASR	-	53	47	Biscayne	10/30/1984
4912	25° 51'	80° 7'	63692	JAMES V. WARNOCK	FDEP	Class V Non-ASR	-	53	49	Biscayne	7/25/1984
4913	25° 43'	80° 16'	63230	DOCTORS' HOSPITAL	FDEP	Class V Non-ASR	-	53	45	Biscayne	1/3/1985
4914	25° 43'	80° 15'	63308	GOLIK, WILLIAM E.	FDEP	Class V Non-ASR	-	53	50	Biscayne	1/29/2008
4915	25° 45'	80° 11'	87631	BRICKELL BAY PLAZA	FDEP	Class V Non-ASR	-	53	31	Biscayne	9/23/2002
4916	25° 53'	80° 7'	90981	BELLINI CONDOMINIUM	FDEP	Class V Non-ASR	-	53	42	Biscayne	5/12/2003
4917	25° 47'	80° 8'	57090	LINCOLN DISTRICT IMPROVEMENTS	FDEP	Class V Non-ASR	-	54	50	Biscayne	10/2/1995
4918	25° 45'	80° 13'	61711	HAIL, THOMAS	FDEP	Class V Non-ASR	-	54	46	Biscayne	7/30/1984
4919	25° 49'	80° 16'	61010	BOWES,CORINE	FDEP	Class V Non-ASR	-	54	52	Biscayne	8/24/1984
4920	25° 44'	80° 15'	61045	CORAL WAY CORPORATION	FDEP	Class V Non-ASR	-	54	25	Biscayne	8/24/1984
4921	25° 47'	80° 8'	62661	MOSELY, PRISCILLA	FDEP	Class V Non-ASR	-	54	51	Biscayne	10/29/1984
4922	25° 41'	80° 9'	60324	KEY COLONY, PHASE III, EMERALD BAY	FDEP	Class V Non-ASR	-	54	46	Biscayne	2/16/1980
4923	25° 41'	80° 9'	60324	KEY COLONY, PHASE III, EMERALD BAY	FDEP	Class V Non-ASR	-	54	46	Biscayne	2/22/1980
4924	25° 46'	80° 15'	60428	ACME SEPTIC TANK COMPANY	FDEP	Class V Non-ASR	-	54	53	Biscayne	7/18/1984
4925	25° 50'	80° 15'	60456	AL-CRAFT IND.,INC.	FDEP	Class V Non-ASR	-	54	51	Biscayne	7/25/1984
4926	25° 46'	80° 15'	61230	ROSE, DR. ERWIN J.	FDEP	Class V Non-ASR	-	54	52	Biscayne	9/6/1984
4927	25° 47'	80° 11'	61253	LEVIN, DR. NATHANIEL	FDEP	Class V Non-ASR	-	54	51	Biscayne	9/6/1984
4928	25° 51'	80° 17'	61287	DE NEMOURS, E. J. DUPONT	FDEP	Class V Non-ASR	-	54	54	Biscayne	9/18/1984
4929	25° 44'	80° 16'	62135	GRANADA PRESBYTERIAN CHURCH	FDEP	Class V Non-ASR	-	54	48	Biscayne	9/19/1984
4930	25° 44'	80° 16'	62136	GRANADA PRESBYTERIAN CHURCH	FDEP	Class V Non-ASR	-	54	48	Biscayne	9/19/1984
4931	25° 44'	80° 13'	62203	HARNET HOMES	FDEP	Class V Non-ASR	-	54	25	Biscayne	11/16/1984
4932	25° 45'	80° 13'	61451	SEBRING ICE & FUEL COMPANY	FDEP	Class V Non-ASR	-	54	51	Biscayne	7/19/1984
4933	25° 50'	80° 12'	62216	HIGGINS, HARRY C.	FDEP	Class V Non-ASR	-	54	51	Biscayne	11/19/1984
4934	25° 46'	80° 15'	60698	PRATHER, BENTON JR.	FDEP	Class V Non-ASR	-	54	53	Biscayne	8/7/1984
4935	25° 48'	80° 15'	60780	BUSHNELL STEEL PRODUCTS	FDEP	Class V Non-ASR	-	54	49	Biscayne	8/15/1984
4936	25° 42'	80° 17'	62399	RAVLIN, F. F.	FDEP	Class V Non-ASR	-	54	47	Biscayne	9/24/1984
4937	25° 43'	80° 15'	62412	FABULOUS HOMES	FDEP	Class V Non-ASR	-	54	49	Biscayne	9/24/1984
4938	25° 47'	80° 12'	62445	FLORIDA GLASS & MIRROR	FDEP	Class V Non-ASR	-	54	52	Biscayne	9/26/1984
4939	25° 45'	80° 15'	60903	STRANGE, CHARNER	FDEP	Class V Non-ASR	-	54	46	Biscayne	8/20/1984
4940	25° 50'	80° 15'	60926	CITY GAS COMPANY	FDEP	Class V Non-ASR	-	54	50	Biscayne	8/21/1984
4941	25° 43'	80° 16'	61665	WALKER, T. B.	FDEP	Class V Non-ASR	-	54	52	Biscayne	7/25/1984
4942	25° 48'	80° 16'	64317	MILLER, MITCHELL	FDEP	Class V Non-ASR	-	54	44	Biscayne	10/24/1984
4943	25° 48'	80° 12'	62787	PLAYMATES SPORTS TOG	FDEP	Class V Non-ASR	-	54	45	Biscayne	11/14/1984
4944	25° 51'	80° 8'	63584	KRONGOLD, J.	FDEP	Class V Non-ASR	-	54	53	Biscayne	7/12/1984
4945	25° 46'	80° 15'	63654	BALIK, JAMES	FDEP	Class V Non-ASR	-	54	53	Biscayne	7/19/1984
4946	25° 49'	80° 15'	64462	MUTUAL EMPLOYEES TRADE	FDEP	Class V Non-ASR	-	54	48	Biscayne	10/31/1984
4947	25° 46'	80° 14'	63912	KOEHLER, L. E.	FDEP	Class V Non-ASR	-	54	52	Biscayne	9/25/1984
4948	25° 46'	80° 11'	64128	MAMA'S CASINO	FDEP	Class V Non-ASR	-	54	48	Biscayne	10/11/1984
4949	25° 41'	80° 9'	60200	OCEAN VILLAGE, INC.	FDEP	Class V Non-ASR	-	55	50	Biscayne	7/19/1982
4950	25° 47'	80° 12'	60951	CITY OF MIAMI	FDEP	Class V Non-ASR	-	55	53	Biscayne	8/23/1984
4951	25° 51'	80° 15'	61771	TYCOON PLASTICS, INC.	FDEP	Class V Non-ASR	-	55	48	Biscayne	7/31/1984
4952	25° 51'	80° 15'	61772	TYCOON PLASTICS, INC.	FDEP	Class V Non-ASR	-	55	50	Biscayne	7/31/1984
4953	25° 47'	80° 16'	61796	UNKNOWN	FDEP	Class V Non-ASR	-	55	50	Biscayne	8/2/1984
4954	25° 49'	80° 13'	61001	CONSUMERS SUPERMARKETS	FDEP	Class V Non-ASR	-	55	55	Biscayne	8/24/1984
4955	25° 49'	80° 15'	62658	PRECISION PRODUCTS	FDEP	Class V Non-ASR	-	55	0	Biscayne	8/16/1985
4956	25° 43'	80° 15'	61892	FISHER, WALTER	FDEP	Class V Non-ASR	-	55	52	Biscayne	8/7/1984
4957	25° 52'	80° 7'	59706	OCEAN 91 CONDOMINIUM	FDEP	Class V Non-ASR	-	55	43	Biscayne	1/3/1996
4958	25° 53'	80° 7'	60410	ZUCKERMAN, A.	FDEP	Class V Non-ASR	-	55	45	Biscayne	7/13/1984
4959	25° 44'	80° 16'	61977	SOTTILE, WILLIAM	FDEP	Class V Non-ASR	-	55	45	Biscayne	6/12/1990
4960	25° 48'	80° 11'	60477	SHIERS, ALBERT	FDEP	Class V Non-ASR	-	55	45	Biscayne	7/26/1984
4961	25° 45'	80° 11'	61234	HANNA, DR. FUAD	FDEP	Class V Non-ASR	-	55	51	Biscayne	9/6/1984
4962	25° 47'	80° 13'	62029	22ND AVE. REALTY CORP.	FDEP	Class V Non-ASR	-	55	50	Biscayne	8/14/1984
4963	25° 48'	80° 13'	62151	GULF LIFE INSURANCE CO.	FDEP	Class V Non-ASR	-	55	50	Biscayne	9/20/1984
4964	25° 52'	80° 13'	60620	PERRY, B. B.	FDEP	Class V Non-ASR	-	55	0	Biscayne	8/2/1984
4965	25° 49'	80° 15'	60662	BEAUTYCRAFT FURNISHINGS	FDEP	Class V Non-ASR	-	55	49	Biscayne	8/6/1984
4966	25° 53'	80° 7'	62222	GATES, HARRY	FDEP	Class V Non-ASR	-	55	50	Biscayne	11/19/1984
4967	25° 50'	80° 16'	62273	NATIONAL PROGRAM COMPANY	FDEP	Class V Non-ASR	-	55	42	Biscayne	11/15/1984
4968	25° 52'	80° 10'	60743	BISCAYNE SHORES MOTEL	FDEP	Class V Non-ASR	-	55	41	Biscayne	8/10/1984
4969	25° 47'	80° 12'	61580	ST. JOHNS BAPTIST CHURCH	FDEP	Class V Non-ASR	-	55	48	Biscayne	7/27/1984
4970	25° 45'	80° 15'	60862	LYDON, CATHERINE	FDEP	Class V Non-ASR	-	55	48	Biscayne	8/20/1984
4971	25° 49'	80° 14'	61611	STEVENS MARKET, INC.	FDEP	Class V Non-ASR	-	55	50	Biscayne	7/23/1984
4972	25° 45'	80° 11'	61618	STORER BROADCASTING COMPANY	FDEP	Class V Non-ASR	-	55	47	Biscayne	7/23/1984
4973	25° 48'	80° 7'	61649	SURFSIDE PLAZA HOTEL	FDEP	Class V Non-ASR	-	55	50	Biscayne	7/24/1984
4974	25° 50'	80° 15'	62444	FLORIDA FOAM PRODUCTS	FDEP	Class V Non-ASR	-	55	50	Biscayne	9/26/1984
4975	25° 45'	80° 8'	60140	ISLAND DEVELOPERS LTD. WATER SHED A	FDEP	Class V Non-ASR	-	55	40	Biscayne	2/3/1982
4976	25° 46'	80° 13'	62502	FOAM RUBBER CENTER, INC.	FDEP	Class V Non-ASR	-	55	0	Biscayne	10/8/1984
4977	25° 44'	80° 13'	63339	SPEC'S MUSIC, INC.	FDEP	Class V Non-ASR	-	55	0	Biscayne	1/29/2008
4978	25° 43'	80° 15'	63370	RIVIERA PHARMACY	FDEP	Class V Non-ASR	-	55	45	Biscayne	1/7/1985
4979	25° 49'	80° 15'	63452	HILL-YORK CORPORATION	FDEP	Class V Non-ASR	-	55	50	Biscayne	7/6/1984
4980	25° 48'	80° 15'	64270	MIAMI SUPER COLD COMPANY	FDEP	Class V Non-ASR	-	55	51	Biscayne	10/23/1984
4981	25° 42'	80° 17'	62694	OWNER UNKNOWN (TROPICAL AUDUBON SOCIETY, INC.)	FDEP	Class V Non-ASR	-	55	45	Biscayne	10/16/1984
4982	25° 47'	80° 11'	63482	HOWARD JOHNSON	FDEP	Class V Non-ASR	-	55	50	Biscayne	7/9/1984
4983	25° 44'	80° 15'	62763	O'DELL, PETER	FDEP	Class V Non-ASR	-	55	50	Biscayne	10/26/1984
4984	25° 39'	80° 17'	62771	EMMER, PHILIP	FDEP	Class V Non-ASR	-	55	36	Biscayne	10/26/1984
4985	25° 47'	80° 16'	63595	MILTON, J.	FDEP	Class V Non-ASR	-	55	0	Biscayne	7/12/1984
4986	25° 49'	80° 16'	64432	SNODGRASS, MRS. H. W.	FDEP	Class V Non-ASR	-	55	52	Biscayne	10/31/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
4987	25° 45'	80° 15'	64452	ARMOUR, THOMAS	FDEP	Class V Non-ASR	-	55	46	Biscayne	10/31/1984
4988	25° 43'	80° 15'	63638	SUITER, JACK	FDEP	Class V Non-ASR	-	55	50	Biscayne	7/19/1984
4989	25° 45'	80° 17'	62883	OESTERLE, RALPH E.	FDEP	Class V Non-ASR	-	55	0	Biscayne	11/15/1984
4990	25° 53'	80° 7'	62914	REIG CONSTRUCTION, INC.	FDEP	Class V Non-ASR	-	55	48	Biscayne	11/19/1984
4991	25° 44'	80° 14'	62982	DORSEY, RICHARD A.	FDEP	Class V Non-ASR	-	55	0	Biscayne	11/19/1984
4992	25° 45'	80° 14'	63771	OVITT, JOHN L.	FDEP	Class V Non-ASR	-	55	50	Biscayne	8/9/1984
4993	25° 47'	80° 15'	63843	KANE & WOHLBERG	FDEP	Class V Non-ASR	-	55	51	Biscayne	9/5/1984
4994	25° 45'	80° 15'	63878	KINWAL CONSTRUCTION CORP.	FDEP	Class V Non-ASR	-	55	50	Biscayne	9/6/1984
4995	25° 49'	80° 15'	63113	ROYAL CASTLE SYSTEM	FDEP	Class V Non-ASR	-	55	50	Biscayne	11/29/1984
4996	25° 50'	80° 15'	63120	RUFFE, INC.	FDEP	Class V Non-ASR	-	55	0	Biscayne	11/29/1984
4997	25° 50'	80° 8'	63895	WHITNEY, KURT	FDEP	Class V Non-ASR	-	55	46	Biscayne	9/6/1984
4998	25° 46'	80° 9'	65519	PALM & HIBISCUS ISLAND BRIDGES	FDEP	Class V Non-ASR	-	55	50	Biscayne	1/14/1988
4999	25° 46'	80° 9'	65519	PALM & HIBISCUS ISLAND BRIDGES	FDEP	Class V Non-ASR	-	55	50	Biscayne	1/14/1988
5000	25° 46'	80° 9'	65519	PALM & HIBISCUS ISLAND BRIDGES	FDEP	Class V Non-ASR	-	55	50	Biscayne	1/14/1988
5001	25° 46'	80° 9'	65519	PALM & HIBISCUS ISLAND BRIDGES	FDEP	Class V Non-ASR	-	55	50	Biscayne	1/14/1988
5002	25° 43'	80° 15'	64094	BAREFIELD, M. D.	FDEP	Class V Non-ASR	-	55	50	Biscayne	10/5/1984
5003	25° 43'	80° 16'	64106	ROBBINS, M. J.	FDEP	Class V Non-ASR	-	55	42	Biscayne	10/5/1984
5004	25° 47'	80° 8'	88971	QUITTNER BUILDING PARKING LOT	FDEP	Class V Non-ASR	-	55	35	Biscayne	7/30/2004
5005	25° 48'	80° 11'	91618	BAHIA BISCAYNE	FDEP	Class V Non-ASR	-	55	39	Biscayne	5/11/2004
5006	25° 47'	80° 8'	104351	PETER GOLDRING	FDEP	Class V Non-ASR	-	55	50	Biscayne	1/1/1970
5007	25° 41'	80° 10'	57450	MASHTA POINT SUBDIVISION	FDEP	Class V Non-ASR	-	56	50	Biscayne	10/28/1987
5008	25° 50'	80° 9'	61740	TREASURE ISLAND POOL	FDEP	Class V Non-ASR	-	56	46	Biscayne	7/31/1984
5009	25° 41'	80° 9'	60324	KEY COLONY, PHASE III, EMERALD BAY	FDEP	Class V Non-ASR	-	56	50	Biscayne	12/18/1978
5010	25° 43'	80° 16'	61183	SOLOMON, DON	FDEP	Class V Non-ASR	-	56	52	Biscayne	9/4/1984
5011	25° 46'	80° 15'	61966	BRUNELLE, WILLIAM L.	FDEP	Class V Non-ASR	-	56	53	Biscayne	8/13/1984
5012	25° 44'	80° 17'	60470	PATELSKY, ALBERT	FDEP	Class V Non-ASR	-	56	48	Biscayne	7/26/1984
5013	25° 41'	80° 9'	59857	OCEANA RESIDENCES AT KEY BISCAYNE	FDEP	Class V Non-ASR	-	56	40	Biscayne	9/3/1996
5014	25° 41'	80° 16'	61497	RASKIN, SIDNEY	FDEP	Class V Non-ASR	-	56	53	Biscayne	7/20/1984
5015	25° 46'	80° 11'	60008	AMERICAN AILRLINES ARENA	FDEP	Class V Non-ASR	-	56	47	Biscayne	11/30/1998
5016	25° 52'	80° 11'	61511	EDMUND, SIS.MARY	FDEP	Class V Non-ASR	-	56	42	Biscayne	7/20/1984
5017	25° 45'	80° 16'	61654	SWANNEE BAR	FDEP	Class V Non-ASR	-	56	54	Biscayne	7/24/1984
5018	25° 49'	80° 12'	61690	TEXCHARM FABRICS	FDEP	Class V Non-ASR	-	56	53	Biscayne	7/25/1984
5019	25° 42'	80° 17'	63356	SUNSET THEATRE	FDEP	Class V Non-ASR	-	56	44	Biscayne	1/15/1985
5020	25° 42'	80° 16'	64440	PHELPS, MRS. JOHN	FDEP	Class V Non-ASR	-	56	48	Biscayne	10/31/1984
5021	25° 49'	80° 11'	63728	JEWISH HOME FOR AGED	FDEP	Class V Non-ASR	-	56	54	Biscayne	8/1/1984
5022	25° 52'	80° 7'	87848	EL ELEGANTE APARTMENTS	FDEP	Class V Non-ASR	-	56	43	Biscayne	8/16/2001
5023	25° 41'	80° 9'	58552	KEY BISCAYNE HOTEL AND VILLAS	FDEP	Class V Non-ASR	-	57	31	Biscayne	6/4/1991
5024	25° 41'	80° 9'	58552	KEY BISCAYNE HOTEL AND VILLAS	FDEP	Class V Non-ASR	-	57	31	Biscayne	6/4/1991
5025	25° 41'	80° 9'	58552	KEY BISCAYNE HOTEL AND VILLAS	FDEP	Class V Non-ASR	-	57	31	Biscayne	6/4/1991
5026	25° 38'	80° 17'	59340	DEERING BAY COURTYARD FLAT-POOL	FDEP	Class V Non-ASR	-	57	52	Biscayne	1/6/1994
5027	25° 41'	80° 9'	60200	OCEAN VILLAGE, INC.	FDEP	Class V Non-ASR	-	57	50	Biscayne	7/19/1982
5028	25° 45'	80° 11'	60317	BRICKELL CONCOURSE BUILDING	FDEP	Class V Non-ASR	-	57	45	Biscayne	5/12/1972
5029	25° 41'	80° 9'	60324	KEY COLONY, PHASE III, EMERALD BAY	FDEP	Class V Non-ASR	-	57	44	Biscayne	12/23/1978
5030	25° 47'	80° 11'	62028	PRESENT OWNER	FDEP	Class V Non-ASR	-	57	42	Biscayne	8/14/1984
5031	25° 48'	80° 7'	62047	BERTURMAN, GEORGE	FDEP	Class V Non-ASR	-	57	48	Biscayne	9/12/1984
5032	25° 52'	80° 7'	61270	DWERES REALTY CO.	FDEP	Class V Non-ASR	-	57	54	Biscayne	9/6/1984
5033	25° 44'	80° 13'	61293	PETRIKAT, E.	FDEP	Class V Non-ASR	-	57	50	Biscayne	9/10/1984
5034	25° 41'	80° 10'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	57	40	Biscayne	4/18/1996
5035	25° 47'	80° 8'	59959	BEACH CINEMA	FDEP	Class V Non-ASR	-	57	40	Biscayne	3/7/1998
5036	25° 42'	80° 16'	61599	STAR CONSTRUCTION	FDEP	Class V Non-ASR	-	57	52	Biscayne	7/23/1984
5037	25° 45'	80° 15'	62373	ENGEL'S MEN'S SHOP	FDEP	Class V Non-ASR	-	57	0	Biscayne	9/21/1984
5038	25° 49'	80° 13'	61626	STYLON OF MIAMI	FDEP	Class V Non-ASR	-	57	0	Biscayne	7/23/1984
5039	25° 53'	80° 14'	61657	DIAMOND, SYDNEY	FDEP	Class V Non-ASR	-	57	55	Biscayne	7/24/1984
5040	25° 47'	80° 7'	62470	FLA. POWER & LIGHT	FDEP	Class V Non-ASR	-	57	52	Biscayne	9/28/1984
5041	25° 48'	80° 11'	60183	EAST BRICKELL TOWERS	FDEP	Class V Non-ASR	-	57	42	Biscayne	12/18/1981
5042	25° 50'	80° 9'	63361	MORGAN, JOHN R.	FDEP	Class V Non-ASR	-	57	54	Biscayne	1/17/1985
5043	25° 45'	80° 17'	64226	MERCHANTS BANK OF MIA.	FDEP	Class V Non-ASR	-	57	44	Biscayne	10/22/1984
5044	25° 48'	80° 8'	63517	INTERSTATE CONSTRUCTION	FDEP	Class V Non-ASR	-	57	0	Biscayne	7/9/1984
5045	25° 44'	80° 15'	63549	CASEY, J. A.	FDEP	Class V Non-ASR	-	57	50	Biscayne	7/11/1984
5046	25° 48'	80° 14'	64388	GREEN, MR.	FDEP	Class V Non-ASR	-	57	56	Biscayne	10/29/1984
5047	25° 54'	80° 9'	63787	JOHN W. JONES COMPANY	FDEP	Class V Non-ASR	-	57	52	Biscayne	8/9/1984
5048	25° 50'	80° 12'	63868	KENT FURNITURE COMPANY	FDEP	Class V Non-ASR	-	57	52	Biscayne	9/5/1984
5049	25° 44'	80° 15'	63892	KONES RESTAURANT	FDEP	Class V Non-ASR	-	57	51	Biscayne	9/6/1984
5050	25° 49'	80° 17'	63959	TYLER, LEE A.	FDEP	Class V Non-ASR	-	57	53	Biscayne	9/25/1984
5051	25° 41'	80° 9'	63145	KEY COLONY CONDO. PHASE II	FDEP	Class V Non-ASR	-	57	50	Biscayne	3/31/1979
5052	25° 48'	80° 15'	64006	LEONHARDT	FDEP	Class V Non-ASR	-	57	0	Biscayne	9/26/1984
5053	25° 50'	80° 12'	64062	SIGAL, LOUIS	FDEP	Class V Non-ASR	-	57	54	Biscayne	10/4/1984
5054	25° 38'	80° 17'	83443	VERONA AT DEERING BAY	FDEP	Class V Non-ASR	-	57	40	Biscayne	5/13/1999
5055	25° 53'	80° 7'	84299	BEACH HOUSE HOTEL	FDEP	Class V Non-ASR	-	57	37	Biscayne	1/13/2012
5056	25° 53'	80° 7'	84299	BEACH HOUSE HOTEL	FDEP	Class V Non-ASR	-	57	37	Biscayne	1/13/2012
5057	25° 52'	80° 7'	90496	PUBLIX AT SURFSIDE	FDEP	Class V Non-ASR	-	57	35	Biscayne	10/30/2002
5058	25° 52'	80° 9'	88454	TOWNHOMES OF QUAYSIDE (BAYFRONT & LAKESIDE)	FDEP	Class V Non-ASR	-	57	43	Biscayne	1/15/2002
5059	25° 50'	80° 7'	90967	THE BATH CLUB	FDEP	Class V Non-ASR	-	57	36	Biscayne	7/3/2003
5060	25° 50'	80° 7'	90967	THE BATH CLUB	FDEP	Class V Non-ASR	-	57	31	Biscayne	2/28/2004
5061	25° 47'	80° 8'	57090	LINCOLN DISTRICT IMPROVEMENTS	FDEP	Class V Non-ASR	-	58	50	Biscayne	10/2/1995
5062	25° 46'	80° 13'	61714	TATHAM, THOMAS	FDEP	Class V Non-ASR	-	58	58	Biscayne	7/30/1984
5063	25° 43'	80° 14'	60949	CITY OF MIAMI WATER&SEWERS	FDEP	Class V Non-ASR	-	58	54	Biscayne	8/23/1984
5064	25° 44'	80° 14'	60970	CASON, CLAUDE T.	FDEP	Class V Non-ASR	-	58	50	Biscayne	8/23/1984
5065	25° 49'	80° 12'	60995	COMM. BANK OF MIAMI	FDEP	Class V Non-ASR	-	58	50	Biscayne	8/23/1984
5066	25° 54'	80° 11'	61895	LAMBERT, WALTER MD	FDEP	Class V Non-ASR	-	58	54	Biscayne	8/7/1984
5067	25° 43'	80° 15'	61124	BETWICK, DAVID	FDEP	Class V Non-ASR	-	58	50	Biscayne	8/31/1984
5068	25° 45'	80° 17'	62009	SEALE, WOODROW	FDEP	Class V Non-ASR	-	58	56	Biscayne	8/14/1984
5069	25° 43'	80° 15'	60452	BERKOWITZ,AL	FDEP	Class V Non-ASR	-	58	45	Biscayne	7/20/1984
5070	25° 49'	80° 11'	62018	1ST BAPTIST CHURCH	FDEP	Class V Non-ASR	-	58	56	Biscayne	8/14/1984
5071	25° 44'	80° 12'	62059	GRAHAM, GEORGE	FDEP	Class V Non-ASR	-	58	55	Biscayne	11/16/1984
5072	25° 45'	80° 15'	61247	PANSLEY, DR. L. D.	FDEP	Class V Non-ASR	-	58	53	Biscayne	9/6/1984
5073	25° 44'	80° 14'	61351	EL TORREADOR RESTRAUNT	FDEP	Class V Non-ASR	-	58	54	Biscayne	8/16/1985
5074	25° 48'	80° 7'	59933	MASADA II CONDOMINIUM	FDEP	Class V Non-ASR	-	58	37	Biscayne	5/24/1997
5075	25° 48'	80° 7'	59933	MASADA II CONDOMINIUM	FDEP	Class V Non-ASR	-	58	35	Biscayne	6/24/1997

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
5076	25° 49'	80° 12'	61476	SHELL'S CITY, INC.	FDEP	Class V Non-ASR	-	58	55	Biscayne	7/19/1984
5077	25° 50'	80° 13'	62267	KRAMER, NATHAN	FDEP	Class V Non-ASR	-	58	53	Biscayne	10/3/1984
5078	25° 43'	80° 15'	60756	BORDEN-HENDERSON'S	FDEP	Class V Non-ASR	-	58	54	Biscayne	8/10/1984
5079	25° 43'	80° 13'	60778	GOLDBERG, BURTON	FDEP	Class V Non-ASR	-	58	55	Biscayne	8/15/1984
5080	25° 48'	80° 11'	60814	PLUMER, C. M.	FDEP	Class V Non-ASR	-	58	54	Biscayne	8/16/1984
5081	25° 41'	80° 9'	63364	SILVER SANDS OCE.FRONT MOTEL	FDEP	Class V Non-ASR	-	58	54	Biscayne	1/29/2008
5082	25° 51'	80° 15'	63369	SALAS, SERGIO	FDEP	Class V Non-ASR	-	58	50	Biscayne	1/7/1985
5083	25° 49'	80° 14'	64223	MENDHEIM CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	58	0	Biscayne	10/18/1984
5084	25° 45'	80° 17'	64226	MERCHANTS BANK OF MIA.	FDEP	Class V Non-ASR	-	58	55	Biscayne	10/22/1984
5085	25° 45'	80° 13'	64281	MIAMI PUBLIC WKS.	FDEP	Class V Non-ASR	-	58	52	Biscayne	10/23/1984
5086	25° 43'	80° 19'	63545	JURIT, J. CALVIN	FDEP	Class V Non-ASR	-	58	56	Biscayne	7/11/1984
5087	25° 45'	80° 13'	62842	R. C. PARADIS	FDEP	Class V Non-ASR	-	58	50	Biscayne	11/6/1984
5088	25° 42'	80° 16'	63646	POSKANZER, JACOB B.	FDEP	Class V Non-ASR	-	58	52	Biscayne	7/19/1984
5089	25° 49'	80° 11'	63729	JEWISH HOME FOR AGED	FDEP	Class V Non-ASR	-	58	52	Biscayne	8/1/1984
5090	25° 42'	80° 16'	63922	WOHL, L. R.	FDEP	Class V Non-ASR	-	58	50	Biscayne	9/25/1984
5091	25° 41'	80° 9'	63145	KEY COLONY CONDO. PHASE II	FDEP	Class V Non-ASR	-	58	50	Biscayne	3/22/1979
5092	25° 45'	80° 15'	63248	GEN. CONF. 7TH-DAY ADVENT	FDEP	Class V Non-ASR	-	58	55	Biscayne	1/4/1985
5093	25° 48'	80° 16'	64093	WARREN, M. C.	FDEP	Class V Non-ASR	-	58	55	Biscayne	10/5/1984
5094	25° 50'	80° 8'	64127	MALAYAN LOUNGE	FDEP	Class V Non-ASR	-	58	54	Biscayne	10/11/1984
5095	25° 50'	80° 15'	64141	REILLY, MARGARET	FDEP	Class V Non-ASR	-	58	54	Biscayne	10/11/1984
5096	25° 53'	80° 9'	89404	HOME DEPOT-BISCAYNE BLVD.	FDEP	Class V Non-ASR	-	58	40	Biscayne	2/3/2003
5097	25° 45'	80° 11'	89318	JADE RESIDENCES/BAYSHORE PALM	FDEP	Class V Non-ASR	-	58	38	Biscayne	6/11/2002
5098	25° 46'	80° 10'	92461	PARKING LOTS-TERMINAL 3,4 &5	FDEP	Class V Non-ASR	-	58	40	Biscayne	4/2/1999
5099	25° 50'	80° 7'	91300	NAUTICA INVESTMENTS LLC	FDEP	Class V Non-ASR	-	58	34	Biscayne	10/7/2003
5100	25° 50'	80° 7'	92174	6000 INDIAN CREEK CONDOMINIUM	FDEP	Class V Non-ASR	-	58	42	Biscayne	5/9/2005
5101	25° 47'	80° 11'	60969	CLAUDE SOUTHERN CORPORATION	FDEP	Class V Non-ASR	-	59	49	Biscayne	8/23/1984
5102	25° 42'	80° 15'	61802	GLESSON, V. H.	FDEP	Class V Non-ASR	-	59	54	Biscayne	8/2/1984
5103	25° 45'	80° 11'	61833	VIRCO, INC.	FDEP	Class V Non-ASR	-	59	38	Biscayne	8/3/1984
5104	25° 46'	80° 16'	62637	GAINES CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	59	56	Biscayne	10/24/1984
5105	25° 42'	80° 16'	61069	CAVANAUGH, D. T.	FDEP	Class V Non-ASR	-	59	57	Biscayne	8/30/1984
5106	25° 51'	80° 7'	62035	71ST ST. LIQUOR STR.	FDEP	Class V Non-ASR	-	59	52	Biscayne	8/14/1984
5107	25° 51'	80° 7'	59888	N. KLICHMAN CHEVRON	FDEP	Class V Non-ASR	-	59	43	Biscayne	11/8/1996
5108	25° 46'	80° 14'	60601	ELLIS, ARTHUR W.	FDEP	Class V Non-ASR	-	59	54	Biscayne	8/2/1984
5109	25° 49'	80° 7'	59979	BLUE DIAMOND CONDOMINIUM	FDEP	Class V Non-ASR	-	59	32	Biscayne	10/6/1998
5110	25° 46'	80° 11'	60008	AMERICAN AILRLINES ARENA	FDEP	Class V Non-ASR	-	59	51	Biscayne	9/17/1998
5111	25° 45'	80° 18'	61652	SOUTHWEST JEWISH CENTER	FDEP	Class V Non-ASR	-	59	54	Biscayne	7/24/1984
5112	25° 43'	80° 16'	63344	WEISS, HELEN D.	FDEP	Class V Non-ASR	-	59	54	Biscayne	1/4/1985
5113	25° 40'	80° 16'	63360	MONROE, CHARLES RICHARD	FDEP	Class V Non-ASR	-	59	49	Biscayne	1/17/1985
5114	25° 46'	80° 11'	64360	MILLER, MR. F.B.	FDEP	Class V Non-ASR	-	59	42	Biscayne	10/24/1984
5115	25° 45'	80° 13'	63603	CRAWFORD, J. S. TODD	FDEP	Class V Non-ASR	-	59	55	Biscayne	7/13/1984
5116	25° 45'	80° 16'	62850	YOXALL, R. E.	FDEP	Class V Non-ASR	-	59	44	Biscayne	11/6/1984
5117	25° 50'	80° 11'	63635	SLAVIN, JACK	FDEP	Class V Non-ASR	-	59	59	Biscayne	7/19/1984
5118	25° 49'	80° 16'	63674	HOOK, JAMES	FDEP	Class V Non-ASR	-	59	52	Biscayne	7/19/1984
5119	25° 52'	80° 16'	63123	RUSSELL & RAULERSON	FDEP	Class V Non-ASR	-	59	55	Biscayne	11/29/1984
5120	25° 49'	80° 15'	63138	INMONT CORPORATION	FDEP	Class V Non-ASR	-	59	52	Biscayne	12/27/1984
5121	25° 43'	80° 14'	63289	COCONUT GROVE LAUNDROMAT	FDEP	Class V Non-ASR	-	59	53	Biscayne	1/29/2008
5122	25° 53'	80° 7'	83418	SOLIMAR CONDOMINIUMS	FDEP	Class V Non-ASR	-	59	40	Biscayne	5/24/1999
5123	25° 53'	80° 7'	84299	BEACH HOUSE HOTEL	FDEP	Class V Non-ASR	-	59	40	Biscayne	5/21/2012
5124	25° 45'	80° 11'	89318	JADE RESIDENCES/BAYSHORE PALM	FDEP	Class V Non-ASR	-	59	38	Biscayne	6/6/2002
5125	25° 50'	80° 7'	90967	THE BATH CLUB	FDEP	Class V Non-ASR	-	59	32	Biscayne	5/18/2004
5126	25° 50'	80° 7'	90967	THE BATH CLUB	FDEP	Class V Non-ASR	-	59	43	Biscayne	9/28/2004
5127	25° 50'	80° 7'	90989	ATLANTIC BEL-AIRE CONDOMINIUM	FDEP	Class V Non-ASR	-	59	40	Biscayne	5/27/2004
5128	25° 50'	80° 7'	90989	ATLANTIC BEL-AIRE CONDOMINIUM	FDEP	Class V Non-ASR	-	59	40	Biscayne	6/3/2004
5129	25° 46'	80° 10'	92461	PARKING LOTS-TERMINAL 3,4 &5	FDEP	Class V Non-ASR	-	59	40	Biscayne	4/5/1999
5130	25° 46'	80° 10'	92461	PARKING LOTS-TERMINAL 3,4 &5	FDEP	Class V Non-ASR	-	59	40	Biscayne	4/6/1999
5131	25° 46'	80° 11'	56306	METROMOVER- BRICKELL EXTENSION STA.	FDEP	Class V Non-ASR	-	60	50	Biscayne	10/2/1992
5132	25° 48'	80° 8'	56560	NAUTILUS MIDDLE SCHOOL	FDEP	Class V Non-ASR	-	60	20	Biscayne	3/26/2009
5133	25° 45'	80° 11'	57408	FDOT 87030-1560 SE 15 RD - SR5/US1	FDEP	Class V Non-ASR	-	60	36	Biscayne	2/10/1986
5134	25° 54'	80° 9'	58873	KAMPGROUNDS OF AMERICA	FDEP	Class V Non-ASR	-	60	50	Biscayne	4/16/1980
5135	25° 44'	80° 13'	58473	L`HERMITAGE	FDEP	Class V Non-ASR	-	60	50	Biscayne	2/20/1991
5136	25° 47'	80° 7'	61723	TODD & TODD	FDEP	Class V Non-ASR	-	60	0	Biscayne	7/30/1984
5137	25° 51'	80° 15'	62518	ORR, FOSTER	FDEP	Class V Non-ASR	-	60	58	Biscayne	10/11/1984
5138	25° 42'	80° 15'	62534	GUTOS, FRANK	FDEP	Class V Non-ASR	-	60	0	Biscayne	10/12/1984
5139	25° 43'	80° 16'	62536	INSCHO, FRANK H.	FDEP	Class V Non-ASR	-	60	0	Biscayne	10/15/1984
5140	25° 46'	80° 11'	62540	FRANK J. ROONEY, INC.	FDEP	Class V Non-ASR	-	60	52	Biscayne	10/15/1984
5141	25° 51'	80° 8'	60223	TARICH, MARK	FDEP	Class V Non-ASR	-	60	57	Biscayne	5/13/1982
5142	25° 47'	80° 8'	60237	ZISQUIT, FRED	FDEP	Class V Non-ASR	-	60	54	Biscayne	11/23/1982
5143	25° 53'	80° 12'	60955	CITY OF N. MIAMI	FDEP	Class V Non-ASR	-	60	0	Biscayne	8/23/1984
5144	25° 45'	80° 13'	60972	CLEMENT CARPET COMPANY	FDEP	Class V Non-ASR	-	60	0	Biscayne	8/23/1984
5145	25° 43'	80° 15'	60991	ARMS, COMMANDER R. H.	FDEP	Class V Non-ASR	-	60	60	Biscayne	8/23/1984
5146	25° 43'	80° 16'	61790	UNIV. OF MIAMI	FDEP	Class V Non-ASR	-	60	0	Biscayne	8/1/1984
5147	25° 49'	80° 15'	61792	UNIVERSAL BRANDS	FDEP	Class V Non-ASR	-	60	50	Biscayne	8/1/1984
5148	25° 44'	80° 17'	62574	BILLUPS, FRED	FDEP	Class V Non-ASR	-	60	55	Biscayne	10/18/1984
5149	25° 49'	80° 12'	62592	FREDENCHO DEPT. STORE	FDEP	Class V Non-ASR	-	60	56	Biscayne	10/18/1984
5150	25° 50'	80° 10'	62611	ESTES, G. E.	FDEP	Class V Non-ASR	-	60	57	Biscayne	10/18/1984
5151	25° 43'	80° 15'	62616	SMITH,G.E.	FDEP	Class V Non-ASR	-	60	50	Biscayne	10/18/1984
5152	25° 47'	80° 9'	60243	PORTER, CHARLES	FDEP	Class V Non-ASR	-	60	54	Biscayne	12/7/1982
5153	25° 46'	80° 11'	60266	CASTROPOL BUILDING CORP.	FDEP	Class V Non-ASR	-	60	40	Biscayne	5/21/1983
5154	25° 45'	80° 11'	60289	U.S. DEVELOPMENT CORP. (5 WELLS)	FDEP	Class V Non-ASR	-	60	50	Biscayne	12/13/1985
5155	25° 45'	80° 11'	60289	U.S. DEVELOPMENT CORP. (5 WELLS)	FDEP	Class V Non-ASR	-	60	50	Biscayne	12/13/1985
5156	25° 45'	80° 11'	60289	U.S. DEVELOPMENT CORP. (5 WELLS)	FDEP	Class V Non-ASR	-	60	50	Biscayne	12/13/1985
5157	25° 45'	80° 11'	60289	U.S. DEVELOPMENT CORP. (5 WELLS)	FDEP	Class V Non-ASR	-	60	50	Biscayne	12/13/1985
5158	25° 45'	80° 11'	60289	U.S. DEVELOPMENT CORP. (5 WELLS)	FDEP	Class V Non-ASR	-	60	50	Biscayne	12/13/1985
5159	25° 46'	80° 11'	61014	COSEN INVESTMENT CO.	FDEP	Class V Non-ASR	-	60	45	Biscayne	8/24/1984
5160	25° 45'	80° 16'	61016	COUNTRY CLUB OF CORAL GABLES	FDEP	Class V Non-ASR	-	60	0	Biscayne	8/24/1984
5161	25° 52'	80° 12'	61809	ORDSEL, VAN	FDEP	Class V Non-ASR	-	60	55	Biscayne	8/2/1984
5162	25° 43'	80° 15'	61815	BATZ, VENCENT	FDEP	Class V Non-ASR	-	60	50	Biscayne	8/2/1984
5163	25° 45'	80° 11'	61823	VILLA GRANDE CORP.	FDEP	Class V Non-ASR	-	60	60	Biscayne	8/2/1984
5164	25° 46'	80° 17'	61848	WEST FLAGLER PARK HOSPITAL	FDEP	Class V Non-ASR	-	60	50	Biscayne	8/6/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
5165	25° 50'	80° 12'	62622	SIRMAN, G. G.	FDEP	Class V Non-ASR	-	60	55	Biscayne	10/19/1984
5166	25° 41'	80° 16'	62671	MATHESON, R. HARDY	FDEP	Class V Non-ASR	-	60	0	Biscayne	10/30/1984
5167	25° 54'	80° 9'	60309	HERCULES POLYMERS, INC.	FDEP	Class V Non-ASR	-	60	50	Biscayne	7/13/1984
5168	25° 46'	80° 11'	60323	BRICKELL KEY	FDEP	Class V Non-ASR	-	60	48	Biscayne	9/6/1979
5169	25° 41'	80° 9'	60324	KEY COLONY, PHASE III, EMERALD BAY	FDEP	Class V Non-ASR	-	60	50	Biscayne	3/15/1979
5170	25° 41'	80° 9'	60324	KEY COLONY, PHASE III, EMERALD BAY	FDEP	Class V Non-ASR	-	60	50	Biscayne	6/18/1979
5171	25° 50'	80° 7'	59629	LA GORCE PALACE	FDEP	Class V Non-ASR	-	60	31	Biscayne	8/24/1995
5172	25° 50'	80° 7'	59629	LA GORCE PALACE	FDEP	Class V Non-ASR	-	60	34	Biscayne	8/24/1995
5173	25° 50'	80° 7'	59629	LA GORCE PALACE	FDEP	Class V Non-ASR	-	60	35	Biscayne	8/24/1995
5174	25° 44'	80° 15'	60370	A&P TEA COMPANY	FDEP	Class V Non-ASR	-	60	60	Biscayne	6/27/1984
5175	25° 50'	80° 15'	61912	WATSON TRIANGLE CO.	FDEP	Class V Non-ASR	-	60	0	Biscayne	8/8/1984
5176	25° 49'	80° 12'	61931	WHALON DRUGS	FDEP	Class V Non-ASR	-	60	58	Biscayne	8/9/1984
5177	25° 46'	80° 11'	61938	WIAMICO ENTERAMENT	FDEP	Class V Non-ASR	-	60	0	Biscayne	8/9/1984
5178	25° 43'	80° 15'	61946	LEWIS, WILLIAM C.	FDEP	Class V Non-ASR	-	60	0	Biscayne	8/10/1984
5179	25° 41'	80° 9'	61161	DESSER & GARFIELD	FDEP	Class V Non-ASR	-	60	55	Biscayne	9/4/1984
5180	25° 47'	80° 11'	61181	DON ALLEN CHEVROLET	FDEP	Class V Non-ASR	-	60	0	Biscayne	9/4/1984
5181	25° 43'	80° 16'	61184	SOLOMON, DON	FDEP	Class V Non-ASR	-	60	51	Biscayne	9/4/1984
5182	25° 50'	80° 7'	59687	CASABLANCA	FDEP	Class V Non-ASR	-	60	37	Biscayne	8/10/1995
5183	25° 48'	80° 15'	60446	AIRCRAFT PLATING	FDEP	Class V Non-ASR	-	60	50	Biscayne	7/20/1984
5184	25° 48'	80° 15'	60447	AIRCRAFT PLATING	FDEP	Class V Non-ASR	-	60	50	Biscayne	7/20/1984
5185	25° 47'	80° 15'	60448	AIRCRAFT PLATING	FDEP	Class V Non-ASR	-	60	50	Biscayne	7/20/1984
5186	25° 46'	80° 11'	60457	ALADDIN BEAUTY SALON	FDEP	Class V Non-ASR	-	60	41	Biscayne	7/25/1984
5187	25° 43'	80° 14'	61209	LILLIE, DR. J. C.	FDEP	Class V Non-ASR	-	60	60	Biscayne	9/5/1984
5188	25° 44'	80° 13'	62053	DURLIF, GEORGE	FDEP	Class V Non-ASR	-	60	0	Biscayne	9/12/1984
5189	25° 53'	80° 9'	60495	BESADE, ALFRED	FDEP	Class V Non-ASR	-	60	0	Biscayne	7/26/1984
5190	25° 48'	80° 13'	60509	ALLAPATTAH UNITED METHODIST CHURCH	FDEP	Class V Non-ASR	-	60	55	Biscayne	7/27/1984
5191	25° 52'	80° 10'	62069	ROWE, GEORGE	FDEP	Class V Non-ASR	-	60	54	Biscayne	9/13/1984
5192	25° 53'	80° 11'	62082	WIENER, GEORGE	FDEP	Class V Non-ASR	-	60	58	Biscayne	9/18/1984
5193	25° 41'	80° 10'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	60	40	Biscayne	4/18/1996
5194	25° 41'	80° 9'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	60	40	Biscayne	4/18/1996
5195	25° 45'	80° 15'	60548	ANTHONY ABRAHAM CHEVROLET COMPANY	FDEP	Class V Non-ASR	-	60	58	Biscayne	7/31/1984
5196	25° 53'	80° 11'	60551	CASTEEL, ANTHONY	FDEP	Class V Non-ASR	-	60	55	Biscayne	7/31/1984
5197	25° 50'	80° 7'	60579	LEVINE, ARNOLD	FDEP	Class V Non-ASR	-	60	53	Biscayne	8/1/1984
5198	25° 49'	80° 11'	60591	DEVAY, ARTHUR	FDEP	Class V Non-ASR	-	60	0	Biscayne	8/1/1984
5199	25° 47'	80° 8'	60600	ARTHUR MURRAY STUDIO	FDEP	Class V Non-ASR	-	60	0	Biscayne	8/2/1984
5200	25° 43'	80° 14'	60623	GLEEN, B. D.	FDEP	Class V Non-ASR	-	60	50	Biscayne	8/2/1984
5201	25° 44'	80° 17'	62166	ROBERSON, H. C.	FDEP	Class V Non-ASR	-	60	41	Biscayne	9/20/1984
5202	25° 46'	80° 11'	62173	PANETZ, H.G.	FDEP	Class V Non-ASR	-	60	0	Biscayne	9/28/1984
5203	25° 52'	80° 7'	62201	HARDING HALL CORP.	FDEP	Class V Non-ASR	-	60	50	Biscayne	9/21/1984
5204	25° 41'	80° 9'	59857	OCEANA RESIDENCES AT KEY BISCAYNE	FDEP	Class V Non-ASR	-	60	40	Biscayne	9/3/1996
5205	25° 46'	80° 16'	61409	MAGAZINE, SAM	FDEP	Class V Non-ASR	-	60	0	Biscayne	7/18/1984
5206	25° 45'	80° 11'	61450	SEAVIEW REALTY COMPANY	FDEP	Class V Non-ASR	-	60	40	Biscayne	7/19/1984
5207	25° 45'	80° 13'	62251	HAYGOOD BUICK COMPANY	FDEP	Class V Non-ASR	-	60	0	Biscayne	9/28/1984
5208	25° 45'	80° 12'	60713	BETH DAVID CONGREGATION	FDEP	Class V Non-ASR	-	60	60	Biscayne	8/8/1984
5209	25° 43'	80° 14'	61471	SHEELER-WINTON POOLS	FDEP	Class V Non-ASR	-	60	0	Biscayne	7/19/1984
5210	25° 41'	80° 9'	61487	SHOREHAM-NORMAN HOTEL	FDEP	Class V Non-ASR	-	60	0	Biscayne	7/19/1984
5211	25° 47'	80° 7'	61499	ZAJAC, SIDNEY	FDEP	Class V Non-ASR	-	60	50	Biscayne	7/20/1984
5212	25° 45'	80° 12'	62265	CONSOLO, NATALIE	FDEP	Class V Non-ASR	-	60	0	Biscayne	10/3/1984
5213	25° 43'	80° 14'	62283	REIS, NICHOLAS	FDEP	Class V Non-ASR	-	60	50	Biscayne	11/15/1984
5214	25° 50'	80° 7'	59973	WHITE DIAMOND CONDOMONIUM	FDEP	Class V Non-ASR	-	60	32	Biscayne	12/3/1997
5215	25° 49'	80° 7'	59979	BLUE DIAMOND CONDOMINIUM	FDEP	Class V Non-ASR	-	60	32	Biscayne	6/26/1998
5216	25° 47'	80° 11'	59998	SYNCHRON PARKING (MIRAMAR TOWER I)	FDEP	Class V Non-ASR	-	60	44	Biscayne	12/23/1998
5217	25° 46'	80° 11'	60008	AMERICAN AILRLINES ARENA	FDEP	Class V Non-ASR	-	60	50	Biscayne	2/1/1999
5218	25° 46'	80° 11'	60008	AMERICAN AILRLINES ARENA	FDEP	Class V Non-ASR	-	60	47	Biscayne	2/12/1999
5219	25° 46'	80° 11'	60008	AMERICAN AILRLINES ARENA	FDEP	Class V Non-ASR	-	60	49	Biscayne	9/11/1998
5220	25° 44'	80° 13'	60782	DODSON, C. E.	FDEP	Class V Non-ASR	-	60	0	Biscayne	8/15/1984
5221	25° 44'	80° 16'	61583	ST. PHILLIPS CHUIRCH	FDEP	Class V Non-ASR	-	60	55	Biscayne	7/23/1984
5222	25° 46'	80° 16'	61591	COSTANTINI, STANLEY	FDEP	Class V Non-ASR	-	60	50	Biscayne	7/23/1984
5223	25° 45'	80° 11'	60033	BARCLAYS FINANCIAL CENTER	FDEP	Class V Non-ASR	-	60	40	Biscayne	2/26/1999
5224	25° 45'	80° 11'	60033	BARCLAYS FINANCIAL CENTER	FDEP	Class V Non-ASR	-	60	40	Biscayne	12/22/1999
5225	25° 52'	80° 7'	60047	SURFSIDE PALMS CONDOMINIUM	FDEP	Class V Non-ASR	-	60	40	Biscayne	4/16/1999
5226	25° 52'	80° 7'	60047	SURFSIDE PALMS CONDOMINIUM	FDEP	Class V Non-ASR	-	60	40	Biscayne	4/21/1999
5227	25° 52'	80° 12'	60881	KEMP, CHARLES	FDEP	Class V Non-ASR	-	60	50	Biscayne	8/20/1984
5228	25° 46'	80° 8'	60893	SHEETS, CHARLES	FDEP	Class V Non-ASR	-	60	55	Biscayne	8/20/1984
5229	25° 52'	80° 7'	61646	SURF CLUB	FDEP	Class V Non-ASR	-	60	50	Biscayne	7/24/1984
5230	25° 41'	80° 9'	62429	MATHESON, FINLEY I.	FDEP	Class V Non-ASR	-	60	0	Biscayne	9/26/1984
5231	25° 49'	80° 12'	62442	FLORIDA DINERS, INC.	FDEP	Class V Non-ASR	-	60	60	Biscayne	9/26/1984
5232	25° 46'	80° 15'	62466	FLA. POWER & LIGHT	FDEP	Class V Non-ASR	-	60	55	Biscayne	9/28/1984
5233	25° 41'	80° 9'	60132	KEY COLONY-RECREATION AREA PHASE I	FDEP	Class V Non-ASR	-	60	50	Biscayne	7/25/1978
5234	25° 41'	80° 9'	60132	KEY COLONY-RECREATION AREA PHASE I	FDEP	Class V Non-ASR	-	60	50	Biscayne	7/25/1978
5235	25° 54'	80° 9'	60901	CHARLIE'S WAYSIDE FURNITURE	FDEP	Class V Non-ASR	-	60	0	Biscayne	8/20/1984
5236	25° 47'	80° 8'	60921	CITIES SERVICE OIL CO.	FDEP	Class V Non-ASR	-	60	50	Biscayne	8/21/1984
5237	25° 51	80° 11'	62498	COLBERT, FLOYD	FDEP	Class V Non-ASR	-	60	0	Biscayne	10/8/1984
5238	25° 50'	80° 15'	62506	FOOD FAIR STORES	FDEP	Class V Non-ASR	-	60	55	Biscayne	8/16/1984
5239	25° 53'	80° 7'	60171	WIMBLEDON RACQUET CLUB, INC.	FDEP	Class V Non-ASR	-	60	55	Biscayne	11/13/1980
5240	25° 48'	80° 11'	60183	EAST BRICKELL TOWERS	FDEP	Class V Non-ASR	-	60	40	Biscayne	10/2/1981
5241	25° 48'	80° 11'	60183	EAST BRICKELL TOWERS	FDEP	Class V Non-ASR	-	60	41	Biscayne	10/20/1981
5242	25° 46'	80° 11'	60186	HABIF, MORENO, TRUSTEE (FED. PARKING STA., INC.)	FDEP	Class V Non-ASR	-	60	55	Biscayne	3/20/1982
5243	25° 43'	80° 15'	63372	PROCTOR, ROBERT C.	FDEP	Class V Non-ASR	-	60	0	Biscayne	1/7/1985
5244	25° 49'	80° 17'	64181	DORN, MARY W.	FDEP	Class V Non-ASR	-	60	0	Biscayne	10/15/1984
5245	25° 49'	80° 8'	64192	COGEN, MAX	FDEP	Class V Non-ASR	-	60	0	Biscayne	10/15/1984
5246	25° 44'	80° 17'	63383	FRANK, HELEN	FDEP	Class V Non-ASR	-	60	55	Biscayne	7/5/1984
5247	25° 54'	80° 9'	63423	HERCULES GLUE CO.	FDEP	Class V Non-ASR	-	60	50	Biscayne	7/13/1984
5248	25° 39'	80° 16'	63424	AIBEL HERMAN	FDEP	Class V Non-ASR	-	60	60	Biscayne	7/6/1984
5249	25° 46'	80° 14'	64210	MCDONALD'S RESTAURANT	FDEP	Class V Non-ASR	-	60	55	Biscayne	10/17/1984
5250	25° 50'	80° 16'	63444	HIALEAH HOSPITAL	FDEP	Class V Non-ASR	-	60	56	Biscayne	7/6/1984
5251	25° 47'	80° 7'	63457	HOLIDAY INN, INC.	FDEP	Class V Non-ASR	-	60	50	Biscayne	7/6/1986
5252	25° 46'	80° 11'	63468	HOTEL EVERGLADES	FDEP	Class V Non-ASR	-	60	50	Biscayne	7/6/1984
5253	25° 48'	80° 16'	64284	MIAMI SPGS. VILLA	FDEP	Class V Non-ASR	-	60	50	Biscayne	10/24/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
5254	25° 42'	80° 16'	63485	HOWARD JOHNSON, INC.	FDEP	Class V Non-ASR	-	60	58	Biscayne	7/9/1984
5255	25° 43'	80° 15'	64313	COBB, MISS JERRY	FDEP	Class V Non-ASR	-	60	0	Biscayne	10/24/1984
5256	25° 51'	80° 7'	64336	KNOVETY, MORRIS	FDEP	Class V Non-ASR	-	60	50	Biscayne	10/25/1984
5257	25° 43'	80° 15'	62793	POLK POOL, INC.	FDEP	Class V Non-ASR	-	60	50	Biscayne	10/29/1984
5258	25° 44'	80° 13'	64369	LUMBERSON, J.	FDEP	Class V Non-ASR	-	60	0	Biscayne	10/29/1984
5259	25° 48'	80° 11'	64392	MARTIN, MR.	FDEP	Class V Non-ASR	-	60	60	Biscayne	10/29/1984
5260	25° 52'	80° 10'	62739	DUNN, PAUL	FDEP	Class V Non-ASR	-	60	55	Biscayne	10/22/1984
5261	25° 52'	80° 15'	62742	ROSS, PAUL J.	FDEP	Class V Non-ASR	-	60	55	Biscayne	10/25/1984
5262	25° 44'	80° 13'	62765	CATSMAN, PHIL	FDEP	Class V Non-ASR	-	60	0	Biscayne	10/26/1984
5263	25° 50'	80° 7'	64445	KERN, MRS. MAX	FDEP	Class V Non-ASR	-	60	55	Biscayne	10/31/1984
5264	25° 49'	80° 16'	62874	KLEIN, MAURICE, RABBI	FDEP	Class V Non-ASR	-	60	55	Biscayne	11/15/1984
5265	25° 43'	80° 14'	63681	JAMES L. ANDERSON	FDEP	Class V Non-ASR	-	60	0	Biscayne	7/25/1984
5266	25° 50'	80° 17'	64465	N. AMERICAN MILK INDUST.	FDEP	Class V Non-ASR	-	60	52	Biscayne	10/31/1984
5267	25° 44'	80° 13'	62897	BUTLER, RAYMOND	FDEP	Class V Non-ASR	-	60	0	Biscayne	11/16/1984
5268	25° 47'	80° 10'	63700	JANE FISHER	FDEP	Class V Non-ASR	-	60	50	Biscayne	7/25/1984
5269	25° 44'	80° 16'	63734	HALL, JOE	FDEP	Class V Non-ASR	-	60	54	Biscayne	8/1/1984
5270	25° 41'	80° 15'	62980	RICE CONSTRUCTION	FDEP	Class V Non-ASR	-	60	0	Biscayne	11/19/1984
5271	25° 44'	80° 15'	63746	WEINRICH, JOHANNA	FDEP	Class V Non-ASR	-	60	0	Biscayne	8/1/1984
5272	25° 47'	80° 14'	63780	VEREEN, JOHN R.	FDEP	Class V Non-ASR	-	60	55	Biscayne	8/9/1984
5273	25° 52'	80° 10'	62949	OCEAN BREEZE CORP.	FDEP	Class V Non-ASR	-	60	0	Biscayne	11/21/1984
5274	25° 48'	80° 13'	62961	PEPSI-COLA BOTTLING CO./MIAMI	FDEP	Class V Non-ASR	-	60	55	Biscayne	9/6/1985
5275	25° 44'	80° 12'	63795	MILTON, JOSE	FDEP	Class V Non-ASR	-	60	55	Biscayne	8/9/1984
5276	25° 43'	80° 14'	63805	DARA, JOSEPH	FDEP	Class V Non-ASR	-	60	50	Biscayne	11/26/1985
5277	25° 53'	80° 9'	63814	MALIGA, JOSEPH	FDEP	Class V Non-ASR	-	60	50	Biscayne	8/13/1984
5278	25° 45'	80° 12'	65314	I-95 & S.W. 25TH RD. RAMP	FDEP	Class V Non-ASR	-	60	40	Biscayne	8/11/1986
5279	25° 45'	80° 12'	65314	I-95 & S.W. 25TH RD. RAMP	FDEP	Class V Non-ASR	-	60	40	Biscayne	8/11/1986
5280	25° 42'	80° 15'	63045	GENLAND, ROBERT	FDEP	Class V Non-ASR	-	60	0	Biscayne	11/27/1984
5281	25° 43'	80° 14'	63050	THAYER, ROBERT H., JR.	FDEP	Class V Non-ASR	-	60	0	Biscayne	11/27/1984
5282	25° 43'	80° 16'	63063	MACKLE, ROBERT	FDEP	Class V Non-ASR	-	60	0	Biscayne	11/27/1984
5283	25° 44'	80° 16'	63074	WERTZEN, ROBERT	FDEP	Class V Non-ASR	-	60	50	Biscayne	11/28/1984
5284	25° 45'	80° 11'	65360	INTRAMERICA BUILDING	FDEP	Class V Non-ASR	-	60	50	Biscayne	11/10/1986
5285	25° 47'	80° 15'	63089	SIEBERT, RONALD E.	FDEP	Class V Non-ASR	-	60	50	Biscayne	11/28/1984
5286	25° 49'	80° 15'	63124	RUSSELL ALUMINUM	FDEP	Class V Non-ASR	-	60	47	Biscayne	8/15/1985
5287	25° 49'	80° 16'	63184	FIRST BAPTIST CHURCH	FDEP	Class V Non-ASR	-	60	55	Biscayne	12/28/1984
5288	25° 46'	80° 11'	63187	GESU CHURCH & SCHOOL	FDEP	Class V Non-ASR	-	60	0	Biscayne	12/28/1984
5289	25° 53'	80° 12'	63206	MIAMI BAPTIST TEMPLE	FDEP	Class V Non-ASR	-	60	0	Biscayne	1/2/1985
5290	25° 48'	80° 15'	63140	JOHNNIE & MACK	FDEP	Class V Non-ASR	-	60	57	Biscayne	1/29/2008
5291	25° 41'	80° 9'	63145	KEY COLONY CONDO. PHASE II	FDEP	Class V Non-ASR	-	60	51	Biscayne	3/1/1979
5292	25° 48'	80° 13'	63175	CARPENTER LOCAL UNION 1509	FDEP	Class V Non-ASR	-	60	0	Biscayne	1/17/1985
5293	25° 53'	80° 9'	63994	BUTSCHER, LEONARD E.	FDEP	Class V Non-ASR	-	60	50	Biscayne	9/26/1984
5294	25° 47'	80° 11'	63997	KELLER, LEONARD	FDEP	Class V Non-ASR	-	60	55	Biscayne	9/26/1984
5295	25° 44'	80° 13'	64034	VANN, LLOYD F.	FDEP	Class V Non-ASR	-	60	52	Biscayne	9/27/1984
5296	25° 45'	80° 11'	64039	LON WORTH CROW COMPANY	FDEP	Class V Non-ASR	-	60	0	Biscayne	10/4/1984
5297	25° 40'	80° 9'	65510	BILL BAGGS CAPE FL ST REC AREA	FDEP	Class V Non-ASR	-	60	40	Biscayne	5/9/1997
5298	25° 52'	80° 10'	63235	DICKSTEIN, ROBERT & MARIA	FDEP	Class V Non-ASR	-	60	0	Biscayne	1/3/1985
5299	25° 44'	80° 17'	63240	MIAMI CHILDREN'S HOSPITAL	FDEP	Class V Non-ASR	-	60	40	Biscayne	1/3/1985
5300	25° 42'	80° 16'	63251	ROYAL CARIBBEAN CLUB CONDOMINIUMS	FDEP	Class V Non-ASR	-	60	55	Biscayne	1/4/1985
5301	25° 51'	80° 11'	64078	CLARK, LUELLA	FDEP	Class V Non-ASR	-	60	0	Biscayne	10/4/1984
5302	25° 46'	80° 16'	63283	DE LA BARRERA, SERGIO & VIDALIA	FDEP	Class V Non-ASR	-	60	59	Biscayne	1/14/1985
5303	25° 45'	80° 11'	63317	THE PALACE CONDOMINIUM ASSOC.	FDEP	Class V Non-ASR	-	60	39	Biscayne	12/16/1980
5304	25° 52'	80° 8'	64110	CHAPMAN, M. M.	FDEP	Class V Non-ASR	-	60	56	Biscayne	10/5/1984
5305	25° 53'	80° 11'	64137	MARGARET AVE. STRS.	FDEP	Class V Non-ASR	-	60	16	Biscayne	10/11/1984
5306	25° 46'	80° 12'	64138	VALCARCE, MARGARET C.	FDEP	Class V Non-ASR	-	60	50	Biscayne	10/11/1984
5307	25° 45'	80° 11'	83635	THE YACHT CLUB AT BRICKELL-PH II	FDEP	Class V Non-ASR	-	60	40	Biscayne	2/8/1999
5308	25° 41'	80° 9'	84672	RITZ-CARLTON RESORT, KEY BISCAYNE	FDEP	Class V Non-ASR	-	60	40	Biscayne	2/14/2000
5309	25° 48'	80° 7'	84340	HOWARD JOHNSON	FDEP	Class V Non-ASR	-	60	37	Biscayne	10/8/1999
5310	25° 49'	80° 7'	87955	FONTAINEBLEAU HOTEL	FDEP	Class V Non-ASR	-	60	60	Biscayne	12/15/2008
5311	25° 49'	80° 7'	87955	FONTAINEBLEAU HOTEL	FDEP	Class V Non-ASR	-	60	60	Biscayne	12/15/2008
5312	25° 41'	80° 9'	88513	KEY BISCAYNE POLICE STATION	FDEP	Class V Non-ASR	-	60	44	Biscayne	1/24/2002
5313	25° 41'	80° 9'	88513	KEY BISCAYNE POLICE STATION	FDEP	Class V Non-ASR	-	60	42	Biscayne	1/24/2002
5314	25° 41'	80° 9'	88522	KEY BISCAYNE FIRE RESCUE DEPARTMENT	FDEP	Class V Non-ASR	-	60	41	Biscayne	1/19/2002
5315	25° 50'	80° 7'	90967	THE BATH CLUB	FDEP	Class V Non-ASR	-	60	35	Biscayne	6/20/2003
5316	25° 46'	80° 10'	92461	PARKING LOTS-TERMINAL 3,4 &5	FDEP	Class V Non-ASR	-	60	40	Biscayne	3/31/1999
5317	25° 45'	80° 12'	104364	MRS. DORA A. SERALLES	FDEP	Class V Non-ASR	-	60	60	Biscayne	1/1/1970
5318	25° 52'	80° 15'	104365	BEVERAGE CANNERS, INC.	FDEP	Class V Non-ASR	-	60	57	Biscayne	1/1/1970
5319	25° 47'	80° 7'	105227	ESPANOLA HOTEL	FDEP	Class V Non-ASR	-	60	51	Biscayne	3/7/2019
5320	25° 46'	80° 9'	57052	PORT OF MIAMI	FDEP	Class V Non-ASR	-	61	43	Biscayne	12/7/1992
5321	25° 47'	80° 8'	59327	1681 LENOX AVENUE	FDEP	Class V Non-ASR	-	61	36	Biscayne	10/6/1993
5322	25° 45'	80° 16'	62520	FOUR R 'S REALTY	FDEP	Class V Non-ASR	-	61	56	Biscayne	10/11/1984
5323	25° 41'	80° 9'	60200	OCEAN VILLAGE, INC.	FDEP	Class V Non-ASR	-	61	50	Biscayne	7/19/1982
5324	25° 41'	80° 9'	60200	OCEAN VILLAGE, INC.	FDEP	Class V Non-ASR	-	61	50	Biscayne	7/19/1982
5325	25° 43'	80° 19'	61843	SMITH, W. E.	FDEP	Class V Non-ASR	-	61	55	Biscayne	8/3/1984
5326	25° 47'	80° 7'	61983	WINDSOR LIMITED	FDEP	Class V Non-ASR	-	61	56	Biscayne	8/13/1984
5327	25° 47'	80° 7'	61269	DUVERNIL SHOP	FDEP	Class V Non-ASR	-	61	57	Biscayne	9/6/1984
5328	25° 47'	80° 8'	62092	GGMB CORP.	FDEP	Class V Non-ASR	-	61	57	Biscayne	11/16/1984
5329	25° 45'	80° 11'	59931	BRICKELL BAYFRONT CLUB	FDEP	Class V Non-ASR	-	61	36	Biscayne	9/22/1997
5330	25° 50'	80° 11'	61458	SENTELL SUPPLY CO.	FDEP	Class V Non-ASR	-	61	0	Biscayne	7/19/1984
5331	25° 52'	80° 10'	61465	SHANGRI-LA TOURIST CENTER	FDEP	Class V Non-ASR	-	61	56	Biscayne	7/19/1984
5332	25° 47'	80° 11'	59998	SYNCHRON PARKING (MIRAMAR TOWER I)	FDEP	Class V Non-ASR	-	61	40	Biscayne	7/23/1998
5333	25° 47'	80° 14'	62486	FLORIDA YACHT BASIN, INC.	FDEP	Class V Non-ASR	-	61	54	Biscayne	10/4/1984
5334	25° 52'	80° 12'	63173	BOWLING PALACE	FDEP	Class V Non-ASR	-	61	53	Biscayne	1/17/1985
5335	25° 45'	80° 13'	63260	SHENANDOAH PRESBYTERIAN CHURCH	FDEP	Class V Non-ASR	-	61	58	Biscayne	1/4/1985
5336	25° 46'	80° 10'	83641	PARKING LOT TERMINALS 3,4,5 (PORT OF MIAMI)	FDEP	Class V Non-ASR	-	61	48	Biscayne	6/23/1999
5337	25° 47'	80° 10'	88330	PARROT JUNGLE @ GARDENS @ WATSON ISLAND	FDEP	Class V Non-ASR	-	61	50	Biscayne	6/12/2002
5338	25° 46'	80° 8'	88445	THYSSEN BUILDING	FDEP	Class V Non-ASR	-	61	37	Biscayne	1/16/2002
5339	25° 50'	80° 7'	90967	THE BATH CLUB	FDEP	Class V Non-ASR	-	61	33	Biscayne	6/12/2003
5340	25° 50'	80° 7'	90967	THE BATH CLUB	FDEP	Class V Non-ASR	-	61	35	Biscayne	6/18/2003
5341	25° 46'	80° 11'	93206	ASIA AT BRICKELL KEY	FDEP	Class V Non-ASR	-	61	56	Biscayne	9/28/2005
5342	25° 46'	80° 10'	92461	PARKING LOTS-TERMINAL 3,4 &5	FDEP	Class V Non-ASR	-	61	51	Biscayne	4/13/1999

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
5343	25° 48'	80° 13'	62600	FRIENDLY FINANCE	FDEP	Class V Non-ASR	-	62	58	Biscayne	10/18/1984
5344	25° 51'	80° 17'	61853	W. HIALEAH BAPTIST CHURCH	FDEP	Class V Non-ASR	-	62	59	Biscayne	1/17/1985
5345	25° 44'	80° 15'	62019	1ST CH. OF CHRIST SC.	FDEP	Class V Non-ASR	-	62	42	Biscayne	4/30/1990
5346	25° 48'	80° 7'	59933	MASADA II CONDOMINIUM	FDEP	Class V Non-ASR	-	62	31	Biscayne	10/13/1997
5347	25° 49'	80° 12'	62280	NEW TESTAMENT BAPTIST CHURCH	FDEP	Class V Non-ASR	-	62	54	Biscayne	10/8/1984
5348	25° 41'	80° 16'	62307	CORBIN, O. C.	FDEP	Class V Non-ASR	-	62	55	Biscayne	10/9/1984
5349	25° 46'	80° 16'	62364	GREEN, EMANUEL	FDEP	Class V Non-ASR	-	62	57	Biscayne	9/21/1984
5350	25° 41'	80° 9'	60132	KEY COLONY-RECREATION AREA PHASE I	FDEP	Class V Non-ASR	-	62	50	Biscayne	7/25/1978
5351	25° 49'	80° 15'	63088	RONALD DIE CAST & ENGINEERING INC.	FDEP	Class V Non-ASR	-	62	56	Biscayne	11/28/1984
5352	25° 50'	80° 7'	63938	LA GORCE COUNTRY CLUB	FDEP	Class V Non-ASR	-	62	52	Biscayne	9/25/1984
5353	25° 41'	80° 9'	63145	KEY COLONY CONDO. PHASE II	FDEP	Class V Non-ASR	-	62	54	Biscayne	10/15/1978
5354	25° 49'	80° 7'	64054	CHAVIS, LOUIS	FDEP	Class V Non-ASR	-	62	52	Biscayne	10/4/1984
5355	25° 41'	80° 16'	64083	LYONS CONSTRUCTION	FDEP	Class V Non-ASR	-	62	60	Biscayne	10/5/1984
5356	25° 41'	80° 16'	64084	LYONS CONSTRUCTION	FDEP	Class V Non-ASR	-	62	60	Biscayne	10/5/1984
5357	25° 41'	80° 16'	64085	LYONS CONSTRUCTION	FDEP	Class V Non-ASR	-	62	60	Biscayne	10/5/1984
5358	25° 41'	80° 16'	64086	LYONS CONSTRUCTION	FDEP	Class V Non-ASR	-	62	60	Biscayne	10/5/1984
5359	25° 45'	80° 11'	83635	THE YACHT CLUB AT BRICKELL-PH II	FDEP	Class V Non-ASR	-	62	39	Biscayne	2/14/2000
5360	25° 50'	80° 7'	84651	HOLIDAY INN	FDEP	Class V Non-ASR	-	62	42	Biscayne	2/4/2000
5361	25° 53'	80° 7'	84299	BEACH HOUSE HOTEL	FDEP	Class V Non-ASR	-	62	37	Biscayne	10/13/1999
5362	25° 46'	80° 11'	87445	COURTS BRICKELL KEY	FDEP	Class V Non-ASR	-	62	51	Biscayne	6/13/2001
5363	25° 41'	80° 9'	86107	GRAND BAY RESIDENCES	FDEP	Class V Non-ASR	-	62	43	Biscayne	8/18/2000
5364	25° 50'	80° 7'	86950	VILLA DI MARE	FDEP	Class V Non-ASR	-	62	34	Biscayne	1/18/2001
5365	25° 45'	80° 11'	85505	ESPIRITO SANTO PLAZA	FDEP	Class V Non-ASR	-	62	40	Biscayne	7/24/2000
5366	25° 46'	80° 8'	88700	MURANO GRANDE AT PORTOFINO	FDEP	Class V Non-ASR	-	62	40	Biscayne	5/6/2003
5367	25° 53'	80° 7'	89466	AZURE RESIDENTIAL CONDOMINIUM	FDEP	Class V Non-ASR	-	62	40	Biscayne	12/3/2002
5368	25° 50'	80° 7'	90967	THE BATH CLUB	FDEP	Class V Non-ASR	-	62	34	Biscayne	5/22/2003
5369	25° 50'	80° 7'	90967	THE BATH CLUB	FDEP	Class V Non-ASR	-	62	34	Biscayne	6/5/2003
5370	25° 42'	80° 16'	59607	U. OF M. WELLNESS CENTER	FDEP	Class V Non-ASR	-	63	42	Biscayne	2/14/1995
5371	25° 50'	80° 11'	57092	DISCOUNT AUTO PARTS #198	FDEP	Class V Non-ASR	-	63	37	Biscayne	1/3/1996
5372	25° 44'	80° 15'	61727	TOMMY'S AIR CONDITION	FDEP	Class V Non-ASR	-	63	55	Biscayne	7/31/1984
5373	25° 47'	80° 11'	60244	PLAZA VENETIA PHASE 2	FDEP	Class V Non-ASR	-	63	51	Biscayne	4/6/1983
5374	25° 46'	80° 15'	61921	WESLEY METHODIST CHURCH	FDEP	Class V Non-ASR	-	63	57	Biscayne	8/8/1984
5375	25° 44'	80° 14'	60478	SMITH. ALBERT	FDEP	Class V Non-ASR	-	63	50	Biscayne	7/26/1984
5376	25° 52'	80° 12'	61244	MCMACKIN, DR. JOHN	FDEP	Class V Non-ASR	-	63	58	Biscayne	9/6/1984
5377	25° 49'	80° 14'	60573	ARMY SALVAGE CO.	FDEP	Class V Non-ASR	-	63	50	Biscayne	8/1/1984
5378	25° 45'	80° 15'	62189	H. WINCHELL, INC.,	FDEP	Class V Non-ASR	-	63	57	Biscayne	9/21/1984
5379	25° 45'	80° 11'	60096	ENQUINAT DEL VISTA TOWERS JOINT VENT.	FDEP	Class V Non-ASR	-	63	53	Biscayne	9/9/1981
5380	25° 51'	80° 15'	62392	EVERGLADES PLASTIC CORP.	FDEP	Class V Non-ASR	-	63	63	Biscayne	9/24/1984
5381	25° 47'	80° 7'	60027	MIAMI CITY BALLET	FDEP	Class V Non-ASR	-	63	31	Biscayne	1/11/1999
5382	25° 47'	80° 7'	62468	FLA. POWER & LIGHT	FDEP	Class V Non-ASR	-	63	57	Biscayne	9/28/1984
5383	25° 49'	80° 7'	60111	ALEX URMAN RESIDENCE	FDEP	Class V Non-ASR	-	63	56	Biscayne	8/14/1984
5384	25° 47'	80° 11'	61664	MCGAHEY, T.B.	FDEP	Class V Non-ASR	-	63	55	Biscayne	7/25/1984
5385	25° 48'	80° 13'	63566	SHULL, J. E.	FDEP	Class V Non-ASR	-	63	55	Biscayne	7/11/1984
5386	25° 51'	80° 7'	63612	J. AND R. CORPORATION	FDEP	Class V Non-ASR	-	63	56	Biscayne	7/13/1984
5387	25° 51'	80° 11'	63614	ARUTE, JACK	FDEP	Class V Non-ASR	-	63	61	Biscayne	7/13/1984
5388	25° 49'	80° 11'	63036	WILLIAMS, ROBERT E.	FDEP	Class V Non-ASR	-	63	63	Biscayne	11/27/1984
5389	25° 50'	80° 15'	63205	MIAMI HIALEAH MEDICAL CENTER	FDEP	Class V Non-ASR	-	63	58	Biscayne	1/29/2008
5390	25° 45'	80° 12'	63174	CAREY BUILDING- 5 POINTS LIMITED	FDEP	Class V Non-ASR	-	63	55	Biscayne	1/17/1985
5391	25° 38'	80° 17'	83443	VERONA AT DEERING BAY	FDEP	Class V Non-ASR	-	63	40	Biscayne	5/4/1999
5392	25° 38'	80° 17'	87097	SIENA AT DEERING BAY	FDEP	Class V Non-ASR	-	63	38	Biscayne	2/19/2001
5393	25° 47'	80° 9'	102734	RIVO ALTO	FDEP	Class V Non-ASR	-	63	45	Biscayne	3/7/2016
5394	25° 46'	80° 10'	57141	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	64	49	Biscayne	6/11/1981
5395	25° 50'	80° 11'	57092	DISCOUNT AUTO PARTS #198	FDEP	Class V Non-ASR	-	64	35	Biscayne	1/3/1996
5396	25° 41'	80° 9'	60209	LE RIVAGE	FDEP	Class V Non-ASR	-	64	53	Biscayne	11/29/1983
5397	25° 53'	80° 7'	60303	KENILWORTH HOUSE, INC.	FDEP	Class V Non-ASR	-	64	64	Biscayne	8/27/1981
5398	25° 45'	80° 11'	59677	BRICKELL HOUSE CONDO	FDEP	Class V Non-ASR	-	64	40	Biscayne	6/21/1995
5399	25° 45'	80° 11'	59678	1200 BRICKELL	FDEP	Class V Non-ASR	-	64	40	Biscayne	1/3/1996
5400	25° 50'	80° 14'	61282	WALTON, E. E., JR.	FDEP	Class V Non-ASR	-	64	62	Biscayne	9/7/1984
5401	25° 45'	80° 15'	62134	LUPINO, GRACE	FDEP	Class V Non-ASR	-	64	59	Biscayne	9/19/1984
5402	25° 50'	80° 12'	60613	AVANT CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	64	60	Biscayne	8/2/1984
5403	25° 49'	80° 11'	60628	LICCARDO, B. J.	FDEP	Class V Non-ASR	-	64	59	Biscayne	8/2/1984
5404	25° 45'	80° 18'	60639	BADGER HOTEL	FDEP	Class V Non-ASR	-	64	60	Biscayne	8/3/1984
5405	25° 52'	80° 11'	60654	BARRY COLLEGE	FDEP	Class V Non-ASR	-	64	53	Biscayne	8/6/1984
5406	25° 45'	80° 11'	59944	THE YACHT CLUB AT BRICKELL	FDEP	Class V Non-ASR	-	64	40	Biscayne	7/18/1997
5407	25° 47'	80° 7'	61539	BRAUNSTEIN, SOL	FDEP	Class V Non-ASR	-	64	62	Biscayne	7/20/1984
5408	25° 41'	80° 16'	62321	OCCUPANT (GERARDO GARZA)	FDEP	Class V Non-ASR	-	64	63	Biscayne	11/15/1984
5409	25° 41'	80° 9'	62374	ENID CORP.	FDEP	Class V Non-ASR	-	64	56	Biscayne	9/21/1984
5410	25° 41'	80° 9'	60132	KEY COLONY-RECREATION AREA PHASE I	FDEP	Class V Non-ASR	-	64	48	Biscayne	7/25/1978
5411	25° 41'	80° 9'	60132	KEY COLONY-RECREATION AREA PHASE I	FDEP	Class V Non-ASR	-	64	47	Biscayne	7/25/1978
5412	25° 41'	80° 9'	60191	S.L.C. CONDOMINIUM LTD.	FDEP	Class V Non-ASR	-	64	54	Biscayne	7/28/1982
5413	25° 49'	80° 15'	62718	PAN AMERICAN TERMINALS	FDEP	Class V Non-ASR	-	64	60	Biscayne	11/14/1984
5414	25° 51'	80° 14'	63547	J. A. CANTON AND ASSOCIATES	FDEP	Class V Non-ASR	-	64	58	Biscayne	7/11/1984
5415	25° 44'	80° 15'	63605	WATTERS, J. T.	FDEP	Class V Non-ASR	-	64	56	Biscayne	7/13/1984
5416	25° 47'	80° 15'	63869	KERD REALTY CORP.	FDEP	Class V Non-ASR	-	64	62	Biscayne	9/5/1984
5417	25° 50'	80° 8'	64041	LONGEVITY CORP.	FDEP	Class V Non-ASR	-	64	54	Biscayne	10/4/1984
5418	25° 52'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	64	46	Biscayne	6/23/1995
5419	25° 45'	80° 11'	83635	THE YACHT CLUB AT BRICKELL-PH II	FDEP	Class V Non-ASR	-	64	42	Biscayne	1/21/1999
5420	25° 46'	80° 8'	90207	WEST AVENUE PARKING	FDEP	Class V Non-ASR	-	64	51	Biscayne	1/20/2003
5421	25° 38'	80° 17'	91024	MILANO AT DEERING BAY	FDEP	Class V Non-ASR	-	64	38	Biscayne	6/20/2003
5422	25° 48'	80° 11'	101136	ICON BAY	FDEP	Class V Non-ASR	-	65	55	Biscayne	3/11/2013
5423	25° 46'	80° 9'	57052	PORT OF MIAMI	FDEP	Class V Non-ASR	-	65	51	Biscayne	12/7/1992
5424	25° 47'	80° 7'	57129	BASS MUSEUM	FDEP	Class V Non-ASR	-	65	43	Biscayne	1/7/1999
5425	25° 45'	80° 11'	58630	BRISTOL TOWER CONDOMINIUM	FDEP	Class V Non-ASR	-	65	43	Biscayne	7/25/1991
5426	25° 45'	80° 11'	58630	BRISTOL TOWER CONDOMINIUM	FDEP	Class V Non-ASR	-	65	45	Biscayne	7/25/1991
5427	25° 53'	80° 7'	61732	TOWN & COUNTRY APARTMENTS	FDEP	Class V Non-ASR	-	65	65	Biscayne	7/31/1984
5428	25° 46'	80° 14'	62524	WORKMAN, FRANCIS	FDEP	Class V Non-ASR	-	65	63	Biscayne	10/11/1984
5429	25° 41'	80° 9'	60209	LE RIVAGE	FDEP	Class V Non-ASR	-	65	60	Biscayne	11/12/1983
5430	25° 46'	80° 8'	60241	SOUTH SHORE HOSPITAL	FDEP	Class V Non-ASR	-	65	45	Biscayne	12/10/1982
5431	25° 45'	80° 13'	60971	MYERSON, CLEM	FDEP	Class V Non-ASR	-	65	0	Biscayne	8/23/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
S432	25° 47'	80° 13'	60978	CLUB 17	FDEP	Class V Non-ASR	-	65	61	Biscayne	8/23/1984
S433	25° 45'	80° 11'	60274	1221 BRICKELL AMERISWISS ASSOCIATES	FDEP	Class V Non-ASR	-	65	60	Biscayne	9/24/1984
S434	25° 46'	80° 15'	61847	WEST FLAGLER KENNEL	FDEP	Class V Non-ASR	-	65	60	Biscayne	8/6/1984
S435	25° 51'	80° 11'	62652	WEBER, GAYLE	FDEP	Class V Non-ASR	-	65	63	Biscayne	10/24/1984
S436	25° 51'	80° 11'	61097	SCHILD, DALE H.	FDEP	Class V Non-ASR	-	65	0	Biscayne	8/30/1984
S437	25° 46'	80° 15'	61989	WINN & LOVETT GROCERY	FDEP	Class V Non-ASR	-	65	60	Biscayne	8/13/1984
S438	25° 47'	80° 12'	60454	VENERI, AL DELLI	FDEP	Class V Non-ASR	-	65	60	Biscayne	7/25/1984
S439	25° 43'	80° 14'	62031	2645 S. BAYSHORE DR. CORP.	FDEP	Class V Non-ASR	-	65	65	Biscayne	8/14/1984
S440	25° 42'	80° 16'	62058	FELLERS, GEORGE	FDEP	Class V Non-ASR	-	65	55	Biscayne	9/21/1984
S441	25° 48'	80° 13'	60510	ALLAPATAH BAPTIST CHURCH	FDEP	Class V Non-ASR	-	65	62	Biscayne	7/27/1984
S442	25° 45'	80° 18'	62096	BRADLEY, GLADYS	FDEP	Class V Non-ASR	-	65	55	Biscayne	9/18/1984
S443	25° 45'	80° 15'	60558	ANTILLA HOTEL CORPORATION	FDEP	Class V Non-ASR	-	65	60	Biscayne	7/31/1984
S444	25° 49'	80° 17'	61341	WALLACE, EDWARD	FDEP	Class V Non-ASR	-	65	0	Biscayne	9/11/1984
S445	25° 49'	80° 16'	62129	GRABLE'S BAKERY	FDEP	Class V Non-ASR	-	65	0	Biscayne	9/19/1984
S446	25° 48'	80° 8'	59884	BLOCKBUSTER VIDEO	FDEP	Class V Non-ASR	-	65	40	Biscayne	9/12/1996
S447	25° 50'	80° 12'	62187	KING, H. W.	FDEP	Class V Non-ASR	-	65	61	Biscayne	9/21/1984
S448	25° 46'	80° 8'	59863	SILVERSQUARE RETAIL CENTER	FDEP	Class V Non-ASR	-	65	37	Biscayne	9/12/1996
S449	25° 46'	80° 8'	59863	SILVERSQUARE RETAIL CENTER	FDEP	Class V Non-ASR	-	65	40	Biscayne	8/30/1996
S450	25° 52'	80° 11'	60655	BARRY COLLEGE	FDEP	Class V Non-ASR	-	65	54	Biscayne	8/6/1984
S451	25° 49'	80° 11'	60706	WOLF, BERT	FDEP	Class V Non-ASR	-	65	0	Biscayne	8/8/1984
S452	25° 49'	80° 13'	61461	KENT, SEYMOUR	FDEP	Class V Non-ASR	-	65	60	Biscayne	7/19/1984
S453	25° 49'	80° 7'	59979	BLUE DIAMOND CONDOMINIUM	FDEP	Class V Non-ASR	-	65	32	Biscayne	3/25/1999
S454	25° 47'	80° 8'	60801	HICKMAN, C. H.	FDEP	Class V Non-ASR	-	65	62	Biscayne	8/16/1984
S455	25° 48'	80° 11'	61569	SPECTOR & SONS	FDEP	Class V Non-ASR	-	65	0	Biscayne	7/20/1984
S456	25° 46'	80° 15'	61582	ST. PETERS UNITED LUTHERAN CHURCH	FDEP	Class V Non-ASR	-	65	58	Biscayne	7/20/1984
S457	25° 42'	80° 16'	61606	HESSEN, STEPHEN	FDEP	Class V Non-ASR	-	65	60	Biscayne	7/23/1984
S458	25° 44'	80° 13'	61607	STERN & JAFFER CONSTR. CO.	FDEP	Class V Non-ASR	-	65	62	Biscayne	7/23/1984
S459	25° 49'	80° 13'	62495	FLO'S BEAUTY SHOP	FDEP	Class V Non-ASR	-	65	57	Biscayne	10/8/1984
S460	25° 51'	80° 8'	60177	SOLOMAN, JERRY	FDEP	Class V Non-ASR	-	65	60	Biscayne	12/1/1981
S461	25° 43'	80° 15'	63348	WHITTELSEY, KATHARINE	FDEP	Class V Non-ASR	-	65	60	Biscayne	1/16/1985
S462	25° 42'	80° 15'	64155	SARGEANT, MARJORIE	FDEP	Class V Non-ASR	-	65	50	Biscayne	10/11/1984
S463	25° 44'	80° 16'	63528	DEHAL, IRVING	FDEP	Class V Non-ASR	-	65	0	Biscayne	7/9/1984
S464	25° 46'	80° 11'	63558	J. C. PERENS ENGINEER	FDEP	Class V Non-ASR	-	65	63	Biscayne	7/11/1984
S465	25° 51'	80° 8'	63593	MANN, J.	FDEP	Class V Non-ASR	-	65	63	Biscayne	7/12/1984
S466	25° 43'	80° 14'	63719	GALINDA, JERRY	FDEP	Class V Non-ASR	-	65	58	Biscayne	7/31/1984
S467	25° 50'	80° 11'	62992	AMUNDSON, RICHARD G.	FDEP	Class V Non-ASR	-	65	0	Biscayne	11/19/1984
S468	25° 45'	80° 12'	63852	ROBERT, KEITH	FDEP	Class V Non-ASR	-	65	60	Biscayne	9/5/1984
S469	25° 43'	80° 14'	63877	KING-KEHOE CONSTRUCTION	FDEP	Class V Non-ASR	-	65	60	Biscayne	9/6/1984
S470	25° 53'	80° 8'	63903	BIELER, L.	FDEP	Class V Non-ASR	-	65	61	Biscayne	9/6/1984
S471	25° 41'	80° 9'	63145	KEY COLONY CONDO. PHASE II	FDEP	Class V Non-ASR	-	65	56	Biscayne	11/4/1978
S472	25° 51'	80° 11'	64032	LITTLE RIVER VILLA	FDEP	Class V Non-ASR	-	65	55	Biscayne	9/27/1984
S473	25° 43'	80° 16'	63272	STEMERMAN, IRVING	FDEP	Class V Non-ASR	-	65	58	Biscayne	1/4/1985
S474	25° 44'	80° 13'	64060	LONDON, LOUIS	FDEP	Class V Non-ASR	-	65	0	Biscayne	10/4/1984
S475	25° 45'	80° 11'	83635	THE YACHT CLUB AT BRICKELL-PH II	FDEP	Class V Non-ASR	-	65	40	Biscayne	1/25/2000
S476	25° 41'	80° 9'	84672	RITZ-CARLTON RESORT, KEY BISCAYNE	FDEP	Class V Non-ASR	-	65	50	Biscayne	1/14/2000
S477	25° 42'	80° 20'	84021	DATA PROCESSING CENTER-MDC-GSA	FDEP	Class V Non-ASR	-	65	28	Biscayne	12/11/1999
S478	25° 42'	80° 20'	84021	DATA PROCESSING CENTER-MDC-GSA	FDEP	Class V Non-ASR	-	65	28	Biscayne	12/11/1999
S479	25° 42'	80° 20'	84021	DATA PROCESSING CENTER-MDC-GSA	FDEP	Class V Non-ASR	-	65	28	Biscayne	12/11/1999
S480	25° 47'	80° 8'	84203	1021-1025 LINCOLN ROAD	FDEP	Class V Non-ASR	-	65	44	Biscayne	10/11/1999
S481	25° 47'	80° 11'	90097	BISCAYNE VILLAGE	FDEP	Class V Non-ASR	-	65	49	Biscayne	1/25/2003
S482	25° 47'	80° 11'	89738	22 BISCAYNE BAY	FDEP	Class V Non-ASR	-	65	51	Biscayne	9/17/2002
S483	25° 52'	80° 7'	89374	WAVERLY AT SURFSIDE BEACH-EAST	FDEP	Class V Non-ASR	-	65	51	Biscayne	7/19/2002
S484	25° 50'	80° 14'	95020	GWEN CHERRY PARK POOL & BATH HOUSE	FDEP	Class V Non-ASR	-	65	54	Biscayne	6/13/1988
S485	25° 53'	80° 7'	103084	BIJOU BAY HARBOR	FDEP	Class V Non-ASR	-	65	45	Biscayne	1/24/2017
S486	25° 44'	80° 9'	56557	102 INCH FORCE MAIN AT VIRGINIA KEY	FDEP	Class V Non-ASR	-	66	43	Biscayne	7/28/1994
S487	25° 45'	80° 11'	58643	BRISTOL TOWERS	FDEP	Class V Non-ASR	-	66	47	Biscayne	6/19/1991
S488	25° 45'	80° 15'	61722	TOCAPA, INCORPORATION	FDEP	Class V Non-ASR	-	66	64	Biscayne	7/30/1984
S489	25° 41'	80° 9'	60209	LE RIVAGE	FDEP	Class V Non-ASR	-	66	56	Biscayne	11/28/1983
S490	25° 47'	80° 7'	60217	COLLINS PLAZA	FDEP	Class V Non-ASR	-	66	63	Biscayne	11/19/1980
S491	25° 43'	80° 16'	61790	UNIV. OF MIAMI	FDEP	Class V Non-ASR	-	66	60	Biscayne	8/1/1984
S492	25° 43'	80° 14'	60258	MAYFAIR-IN-THE-GROVE	FDEP	Class V Non-ASR	-	66	57	Biscayne	4/12/1983
S493	25° 43'	80° 14'	60258	MAYFAIR-IN-THE-GROVE	FDEP	Class V Non-ASR	-	66	55	Biscayne	4/12/1983
S494	25° 45'	80° 11'	60317	BRICKELL CONCOURSE BUILDING	FDEP	Class V Non-ASR	-	66	40	Biscayne	5/12/1972
S495	25° 45'	80° 11'	60317	BRICKELL CONCOURSE BUILDING	FDEP	Class V Non-ASR	-	66	42	Biscayne	5/12/1972
S496	25° 49'	80° 15'	61951	CUNNINGHAM, WILLIAM	FDEP	Class V Non-ASR	-	66	58	Biscayne	8/10/1984
S497	25° 44'	80° 12'	60483	JEPEWAY, ALEX	FDEP	Class V Non-ASR	-	66	58	Biscayne	7/26/1984
S498	25° 46'	80° 15'	60524	AMERICAN AGRONOMICS CORP.	FDEP	Class V Non-ASR	-	66	60	Biscayne	7/30/1984
S499	25° 45'	80° 16'	62165	REDIX, H. C.	FDEP	Class V Non-ASR	-	66	63	Biscayne	11/16/1984
S500	25° 45'	80° 11'	59944	THE YACHT CLUB AT BRICKELL	FDEP	Class V Non-ASR	-	66	40	Biscayne	7/17/1997
S501	25° 46'	80° 10'	59948	TEQUESTA II	FDEP	Class V Non-ASR	-	66	43	Biscayne	7/18/1997
S502	25° 46'	80° 10'	59948	TEQUESTA II	FDEP	Class V Non-ASR	-	66	43	Biscayne	7/8/1997
S503	25° 47'	80° 8'	59982	BAY ROAD CONDOMINIUM	FDEP	Class V Non-ASR	-	66	57	Biscayne	4/2/1998
S504	25° 42'	80° 9'	59996	THE PANKEY INSTITUTE	FDEP	Class V Non-ASR	-	66	36	Biscayne	9/4/1998
S505	25° 46'	80° 11'	60008	AMERICAN AILRLINES ARENA	FDEP	Class V Non-ASR	-	66	56	Biscayne	1/28/1999
S506	25° 47'	80° 7'	62340	OCTAGON APTS.	FDEP	Class V Non-ASR	-	66	46	Biscayne	10/10/2001
S507	25° 47'	80° 7'	62340	OCTAGON APTS.	FDEP	Class V Non-ASR	-	66	46	Biscayne	1/1/1970
S508	25° 45'	80° 11'	60096	ENQUINAT DEL VISTA TOWERS JOINT VENT.	FDEP	Class V Non-ASR	-	66	53	Biscayne	9/18/1981
S509	25° 49'	80° 7'	60846	WEINKLE, CARL	FDEP	Class V Non-ASR	-	66	60	Biscayne	8/17/1984
S510	25° 49'	80° 16'	64199	SHLEIN, MAX	FDEP	Class V Non-ASR	-	66	64	Biscayne	10/16/1984
S511	25° 46'	80° 14'	63818	MORETTI, JOSEPH	FDEP	Class V Non-ASR	-	66	62	Biscayne	8/16/1985
S512	25° 46'	80° 11'	65479	FDOT-87006-3502 BRICKELL AVE. BRIDGE REP	FDEP	Class V Non-ASR	-	66	49	Biscayne	11/30/1994
S513	25° 50'	80° 13'	64012	ALBERT, LESTER	FDEP	Class V Non-ASR	-	66	60	Biscayne	9/27/1984
S514	25° 53'	80° 9'	89404	HOME DEPOT-BISCAYNE BLVD.	FDEP	Class V Non-ASR	-	66	50	Biscayne	1/10/2003
S515	25° 51'	80° 7'	90792	OCEAN BLUE	FDEP	Class V Non-ASR	-	66	36	Biscayne	3/24/2003
S516	25° 51'	80° 7'	90792	OCEAN BLUE	FDEP	Class V Non-ASR	-	66	41	Biscayne	3/17/2003
S517	25° 45'	80° 11'	92009	EMRALD AT BRICKELL	FDEP	Class V Non-ASR	-	66	53	Biscayne	3/2/2006
S518	25° 41'	80° 10'	101959	ALESANDRO RESIDENCE	FDEP	Class V Non-ASR	-	67	57	Biscayne	8/1/2014
S519	25° 41'	80° 10'	101959	ALESANDRO RESIDENCE	FDEP	Class V Non-ASR	-	67	57	Biscayne	8/8/2014
S520	25° 46'	80° 11'	58880	MIAMI RIVERSIDE CENTER	FDEP	Class V Non-ASR	-	67	35	Biscayne	9/22/1991

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
5521	25° 45'	80° 11'	58643	BRISTOL TOWERS	FDEP	Class V Non-ASR	-	67	49	Biscayne	7/23/1991
5522	25° 50'	80° 12'	62560	FRANK T. BUDGE COMPANY	FDEP	Class V Non-ASR	-	67	0	Biscayne	10/16/1984
5523	25° 41'	80° 9'	60209	LE RIVAGE	FDEP	Class V Non-ASR	-	67	51	Biscayne	12/1/1983
5524	25° 49'	80° 14'	62601	FROSTIE DRIVE INN	FDEP	Class V Non-ASR	-	67	65	Biscayne	10/18/1984
5525	25° 43'	80° 14'	60258	MAYFAIR-IN-THE-GROVE	FDEP	Class V Non-ASR	-	67	52	Biscayne	4/5/1983
5526	25° 45'	80° 11'	60283	CARIBANK, N.A.	FDEP	Class V Non-ASR	-	67	40	Biscayne	10/15/1979
5527	25° 45'	80° 11'	60283	CARIBANK, N.A.	FDEP	Class V Non-ASR	-	67	41	Biscayne	10/15/1979
5528	25° 47'	80° 8'	61901	ZIFF, WALTER	FDEP	Class V Non-ASR	-	67	62	Biscayne	1/15/1985
5529	25° 50'	80° 11'	60420	KURMAN, ABE	FDEP	Class V Non-ASR	-	67	60	Biscayne	7/18/1984
5530	25° 51'	80° 11'	61973	PIERCE, WILLIAM	FDEP	Class V Non-ASR	-	67	64	Biscayne	8/13/1984
5531	25° 43'	80° 14'	62057	ENGLE, GEORGE, SR.	FDEP	Class V Non-ASR	-	67	60	Biscayne	11/16/1984
5532	25° 53'	80° 7'	59862	BAL HARBOUR VILLAGE	FDEP	Class V Non-ASR	-	67	27	Biscayne	9/13/1996
5533	25° 46'	80° 11'	60008	AMERICAN AILRLINES ARENA	FDEP	Class V Non-ASR	-	67	60	Biscayne	2/9/1999
5534	25° 51'	80° 15'	62392	EVERGLADES PLASTIC CORP.	FDEP	Class V Non-ASR	-	67	60	Biscayne	9/24/1984
5535	25° 41'	80° 9'	60132	KEY COLONY-RECREATION AREA PHASE I	FDEP	Class V Non-ASR	-	67	50	Biscayne	7/25/1978
5536	25° 46'	80° 11'	60153	NATHAN ROK STORES	FDEP	Class V Non-ASR	-	67	61	Biscayne	4/12/1982
5537	25° 52'	80° 10'	64149	MARINE MOTOR COURT	FDEP	Class V Non-ASR	-	67	57	Biscayne	10/11/1984
5538	25° 50'	80° 10'	63040	FEINSTEIN, ROBERT	FDEP	Class V Non-ASR	-	67	63	Biscayne	11/27/1984
5539	25° 52'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	67	54	Biscayne	7/28/1994
5540	25° 52'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	67	56	Biscayne	7/28/1994
5541	25° 51'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	67	38	Biscayne	6/23/1995
5542	25° 53'	80° 7'	84556	SURFSIDE TOWERS CONDOMINIUM	FDEP	Class V Non-ASR	-	67	36	Biscayne	11/29/1999
5543	25° 47'	80° 10'	90176	MIAMI CHILDREN'S MUSEUM	FDEP	Class V Non-ASR	-	67	55	Biscayne	3/27/2003
5544	25° 43'	80° 15'	103263	MERRICK MANOR	FDEP	Class V Non-ASR	-	67	52	Biscayne	8/24/2017
5545	25° 47'	80° 9'	102734	RIVO ALTO	FDEP	Class V Non-ASR	-	67	50	Biscayne	3/1/2016
5546	25° 46'	80° 9'	101363	V.I. HIBISCUS 4445 LLC	FDEP	Class V Non-ASR	-	68	58	Biscayne	10/23/2013
5547	25° 46'	80° 8'	101960	350 MERIDIAN APARTMENTS	FDEP	Class V Non-ASR	-	68	58	Biscayne	12/16/2014
5548	25° 45'	80° 11'	58579	OFFICE BUILDING	FDEP	Class V Non-ASR	-	68	42	Biscayne	10/2/1991
5549	25° 43'	80° 16'	62590	SNOWMAN, FRED	FDEP	Class V Non-ASR	-	68	60	Biscayne	10/18/1984
5550	25° 43'	80° 14'	60258	MAYFAIR-IN-THE-GROVE	FDEP	Class V Non-ASR	-	68	54	Biscayne	3/20/1983
5551	25° 43'	80° 14'	60258	MAYFAIR-IN-THE-GROVE	FDEP	Class V Non-ASR	-	68	54	Biscayne	3/29/1983
5552	25° 50'	80° 8'	60302	EL MADRID-ON-THE-BAY	FDEP	Class V Non-ASR	-	68	62	Biscayne	3/30/1984
5553	25° 47'	80° 7'	61106	TARADASH, DANIEL	FDEP	Class V Non-ASR	-	68	65	Biscayne	8/31/1984
5554	25° 50'	80° 8'	61934	WHITE STAR REALTY	FDEP	Class V Non-ASR	-	68	57	Biscayne	8/9/1984
5555	25° 53'	80° 7'	59703	BAY HARBOR ELEMENTARY	FDEP	Class V Non-ASR	-	68	48	Biscayne	8/19/1996
5556	25° 42'	80° 15'	61193	ROWELL, DONALD	FDEP	Class V Non-ASR	-	68	60	Biscayne	9/4/1984
5557	25° 41'	80° 9'	59775	GRAND BAY RESIDENCES - TOWER I	FDEP	Class V Non-ASR	-	68	50	Biscayne	4/11/1996
5558	25° 43'	80° 14'	61330	JAMES, EDWARD	FDEP	Class V Non-ASR	-	68	62	Biscayne	9/11/1984
5559	25° 53'	80° 7'	59862	BAL HARBOUR VILLAGE	FDEP	Class V Non-ASR	-	68	30	Biscayne	9/13/1996
5560	25° 45'	80° 13'	62259	WALBECK, N.	FDEP	Class V Non-ASR	-	68	0	Biscayne	11/15/1984
5561	25° 40'	80° 17'	62324	OCCUPANT (ANTONIO UCAR)	FDEP	Class V Non-ASR	-	68	64	Biscayne	10/12/1984
5562	25° 50'	80° 15'	62377	HALPRYN, ERNEST DDS	FDEP	Class V Non-ASR	-	68	0	Biscayne	9/21/1984
5563	25° 51'	80° 15'	62392	EVERGLADES PLASTIC CORP.	FDEP	Class V Non-ASR	-	68	62	Biscayne	9/24/1984
5564	25° 45'	80° 11'	60038	MANDARIN ORIENTAL HOTEL	FDEP	Class V Non-ASR	-	68	40	Biscayne	4/1/1999
5565	25° 45'	80° 11'	60038	MANDARIN ORIENTAL HOTEL	FDEP	Class V Non-ASR	-	68	40	Biscayne	3/23/1999
5566	25° 43'	80° 14'	60131	GROVE TOWERS, INC.	FDEP	Class V Non-ASR	-	68	57	Biscayne	2/16/1981
5567	25° 53'	80° 13'	60915	CHURCH OF THE MASTER	FDEP	Class V Non-ASR	-	68	58	Biscayne	8/21/1984
5568	25° 44'	80° 12'	64165	FINE, MARTIN	FDEP	Class V Non-ASR	-	68	65	Biscayne	10/12/1984
5569	25° 48'	80° 16'	64284	MIAMI SPGS. VILLA	FDEP	Class V Non-ASR	-	68	55	Biscayne	10/24/1984
5570	25° 51'	80° 7'	62784	PLAINVIEW REALTY CORPORATION	FDEP	Class V Non-ASR	-	68	61	Biscayne	10/26/1984
5571	25° 46'	80° 16'	62792	POLK HOLDING CORPORATION	FDEP	Class V Non-ASR	-	68	65	Biscayne	11/14/1984
5572	25° 52'	80° 14'	63589	LAMENDOLON, J.	FDEP	Class V Non-ASR	-	68	63	Biscayne	7/12/1984
5573	25° 53'	80° 9'	63991	CODOMO, LEONARD	FDEP	Class V Non-ASR	-	68	51	Biscayne	9/24/1984
5574	25° 51'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	68	37	Biscayne	6/23/1995
5575	25° 51'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	68	37	Biscayne	6/23/1995
5576	25° 52'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	68	38	Biscayne	6/23/1995
5577	25° 43'	80° 14'	64129	MANAGED INVESTMENT, INC.	FDEP	Class V Non-ASR	-	68	60	Biscayne	10/11/1984
5578	25° 46'	80° 11'	83962	AMERICAN AIRLINES ARENA	FDEP	Class V Non-ASR	-	68	57	Biscayne	8/31/1999
5579	25° 48'	80° 11'	89357	MILPORT BAY APARTMENTS	FDEP	Class V Non-ASR	-	68	45	Biscayne	8/22/2002
5580	25° 51'	80° 8'	94716	NORMANDY SHORES NEIGHBORHOOD NO 3	FDEP	Class V Non-ASR	-	68	45	Biscayne	4/2/2008
5581	25° 47'	80° 11'	56794	DADE CO. PUBLIC SCHOOL ADMIN. BLDG.	FDEP	Class V Non-ASR	-	69	52	Biscayne	1/3/1996
5582	25° 46'	80° 11'	57097	COURVOISIER COURTS	FDEP	Class V Non-ASR	-	69	51	Biscayne	1/3/1996
5583	25° 45'	80° 12'	58630	BRISTOL TOWER CONDOMINIUM	FDEP	Class V Non-ASR	-	69	49	Biscayne	9/18/1993
5584	25° 41'	80° 9'	61818	VERNON SUNDRIES	FDEP	Class V Non-ASR	-	69	46	Biscayne	8/2/1984
5585	25° 47'	80° 7'	61105	TARADASH, DANIEL	FDEP	Class V Non-ASR	-	69	65	Biscayne	8/31/1984
5586	25° 53'	80° 7'	59703	BAY HARBOR ELEMENTARY	FDEP	Class V Non-ASR	-	69	46	Biscayne	8/19/1996
5587	25° 44'	80° 15'	62064	LARGAY, GEORGE	FDEP	Class V Non-ASR	-	69	60	Biscayne	9/13/1984
5588	25° 53'	80° 9'	60611	TOBLER, AUGUST	FDEP	Class V Non-ASR	-	69	65	Biscayne	8/2/1984
5589	25° 41'	80° 9'	60034	VILLAGE OF KEY BISCAYNE	FDEP	Class V Non-ASR	-	69	51	Biscayne	3/4/1999
5590	25° 46'	80° 11'	60136	MIAMI CENTER	FDEP	Class V Non-ASR	-	69	60	Biscayne	5/20/1981
5591	25° 51'	80° 11'	64283	MIAMI SHORES BAPTIST CHURCH	FDEP	Class V Non-ASR	-	69	66	Biscayne	1/14/1985
5592	25° 49'	80° 11'	64424	ROMAN, MRS. CHARLES	FDEP	Class V Non-ASR	-	69	65	Biscayne	10/31/1984
5593	25° 47'	80° 11'	63768	JOHN JONES, INC.	FDEP	Class V Non-ASR	-	69	42	Biscayne	8/8/1984
5594	25° 51'	80° 7'	63904	BLOCK, L.	FDEP	Class V Non-ASR	-	69	0	Biscayne	9/6/1984
5595	25° 50'	80° 11'	65464	FDOT 87030-3581 NE77 ST - NE78 ST	FDEP	Class V Non-ASR	-	69	48	Biscayne	2/14/1996
5596	25° 51'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	69	38	Biscayne	6/23/1995
5597	25° 52'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	69	38	Biscayne	6/23/1995
5598	25° 47'	80° 8'	87852	1026-1036 LINCOLN ROAD	FDEP	Class V Non-ASR	-	69	36	Biscayne	1/9/2002
5599	25° 46'	80° 11'	88706	ONE RIVERVIEW SQUARE	FDEP	Class V Non-ASR	-	69	43	Biscayne	7/9/2002
5600	25° 53'	80° 7'	92782	SPIAGGIA OCEAN RESIDENCES	FDEP	Class V Non-ASR	-	69	51	Biscayne	4/1/2005
5601	25° 43'	80° 15'	103263	MERRICK MANOR	FDEP	Class V Non-ASR	-	69	53	Biscayne	8/24/2017
5602	25° 46'	80° 10'	101076	MICHAEL LIPSCOMB RESIDENCE	FDEP	Class V Non-ASR	-	70	60	Biscayne	1/31/2014
5603	25° 46'	80° 9'	100451	STUART A. MILLER	FDEP	Class V Non-ASR	-	70	60	Biscayne	5/31/2012
5604	25° 47'	80° 8'	102042	1410 EUCLID AVE.	FDEP	Class V Non-ASR	-	70	60	Biscayne	11/12/2014
5605	25° 46'	80° 8'	99262	GARDEN ISLANDS INTERNATIONAL	FDEP	Class V Non-ASR	-	70	60	Biscayne	2/9/2011
5606	25° 51'	80° 8'	99417	BISCAYNE POINT NEIGHBORHOOD	FDEP	Class V Non-ASR	-	70	59	Biscayne	10/26/2012
5607	25° 46'	80° 9'	100967	CITY OF MIAMI BEACH - PUBLIC WORKS DEPT.	FDEP	Class V Non-ASR	-	70	60	Biscayne	1/24/2014
5608	25° 46'	80° 9'	100967	CITY OF MIAMI BEACH - PUBLIC WORKS DEPT.	FDEP	Class V Non-ASR	-	70	60	Biscayne	1/17/2014
5609	25° 47'	80° 8'	91123	INDUSTRIAL DESIGNER WAREHOUSE	FDEP	Class V Non-ASR	-	70	60	Biscayne	9/3/2003

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
5610	25° 45'	80° 8'	102242	PARCEL 7	FDEP	Class V Non-ASR	-	70	60	Biscayne	3/25/2015
5611	25° 47'	80° 8'	57090	LINCOLN DISTRICT IMPROVEMENTS	FDEP	Class V Non-ASR	-	70	50	Biscayne	10/2/1995
5612	25° 46'	80° 11'	57097	COURVOISIER COURTS	FDEP	Class V Non-ASR	-	70	40	Biscayne	1/3/1996
5613	25° 46'	80° 11'	60957	CITY PARKING GARAGE	FDEP	Class V Non-ASR	-	70	60	Biscayne	8/23/1984
5614	25° 43'	80° 16'	61795	UNIVERSITY OF MIAMI	FDEP	Class V Non-ASR	-	70	0	Biscayne	1/24/2008
5615	25° 43'	80° 14'	61834	VIRGINIA GARDEN APARTMENTS	FDEP	Class V Non-ASR	-	70	65	Biscayne	8/3/1984
5616	25° 48'	80° 12'	61859	HARRISON, W. M.	FDEP	Class V Non-ASR	-	70	60	Biscayne	8/7/1984
5617	25° 50'	80° 11'	62646	GARNER INSURANCE AGENCY	FDEP	Class V Non-ASR	-	70	61	Biscayne	10/24/1984
5618	25° 38'	80° 17'	61061	INTAGLIATA,D.	FDEP	Class V Non-ASR	-	70	0	Biscayne	8/28/1984
5619	25° 42'	80° 16'	61119	DAVIS, DAVE	FDEP	Class V Non-ASR	-	70	65	Biscayne	8/31/1984
5620	25° 50'	80° 17'	61911	WATSCO, INC.	FDEP	Class V Non-ASR	-	70	63	Biscayne	8/8/1984
5621	25° 53'	80° 7'	59703	BAY HARBOR ELEMENTARY	FDEP	Class V Non-ASR	-	70	50	Biscayne	8/19/1996
5622	25° 43'	80° 14'	60394	THOMPSON, A. J.	FDEP	Class V Non-ASR	-	70	0	Biscayne	7/3/1984
5623	25° 49'	80° 16'	61151	HAMBLETON, DENNIS	FDEP	Class V Non-ASR	-	70	58	Biscayne	9/4/1984
5624	25° 45'	80° 13'	61986	WINN & LOVETT GROCERY	FDEP	Class V Non-ASR	-	70	68	Biscayne	11/20/1984
5625	25° 53'	80° 12'	61987	WINN & LOVETT GROCERY	FDEP	Class V Non-ASR	-	70	63	Biscayne	8/13/1984
5626	25° 45'	80° 12'	62000	WOLPERT FURNITURE	FDEP	Class V Non-ASR	-	70	0	Biscayne	8/13/1984
5627	25° 46'	80° 8'	60455	TRAPANESE, AL	FDEP	Class V Non-ASR	-	70	60	Biscayne	11/26/1985
5628	25° 44'	80° 15'	61218	FALETTI, A.T., DR.	FDEP	Class V Non-ASR	-	70	50	Biscayne	9/6/1984
5629	25° 44'	80° 12'	60490	JEPEWAY, ALEXANDER	FDEP	Class V Non-ASR	-	70	61	Biscayne	7/26/1984
5630	25° 43'	80° 15'	61262	WATSON, DUFFIELD, SR.	FDEP	Class V Non-ASR	-	70	0	Biscayne	9/6/1984
5631	25° 44'	80° 12'	60553	EKONOMOU, ANTHONY	FDEP	Class V Non-ASR	-	70	63	Biscayne	7/31/1984
5632	25° 54'	80° 11'	60559	TALAMAS, ANTOINE S.	FDEP	Class V Non-ASR	-	70	70	Biscayne	7/31/1984
5633	25° 44'	80° 14'	60561	AR-TIK CLEANERS	FDEP	Class V Non-ASR	-	70	0	Biscayne	7/31/1984
5634	25° 46'	80° 15'	61303	CRAWFORD, EARL W.	FDEP	Class V Non-ASR	-	70	0	Biscayne	9/10/1984
5635	25° 43'	80° 14'	61346	JAMES, EDWIN C.	FDEP	Class V Non-ASR	-	70	63	Biscayne	9/11/1984
5636	25° 48'	80° 7'	59846	CITY NATIONAL BANK	FDEP	Class V Non-ASR	-	70	40	Biscayne	9/12/1996
5637	25° 46'	80° 8'	59863	SILVERSQUARE RETAIL CENTER	FDEP	Class V Non-ASR	-	70	40	Biscayne	8/30/1996
5638	25° 47'	80° 11'	60679	MCGAHEY, BEN	FDEP	Class V Non-ASR	-	70	60	Biscayne	8/7/1984
5639	25° 51'	80° 8'	61484	SHORE EQUIPMENT & SUPPLY	FDEP	Class V Non-ASR	-	70	0	Biscayne	7/19/1984
5640	25° 48'	80° 15'	61501	SILVER SPRINGS APTARTMENT MOTEL	FDEP	Class V Non-ASR	-	70	0	Biscayne	7/20/1984
5641	25° 47'	80° 8'	60007	BEACH CINEMA PARKING GARAGE	FDEP	Class V Non-ASR	-	70	43	Biscayne	9/18/1998
5642	25° 46'	80° 11'	60008	AMERICAN AILRLINES ARENA	FDEP	Class V Non-ASR	-	70	60	Biscayne	3/2/1999
5643	25° 44'	80° 13'	60091	GROVE ISLE, LTD. - SUN BANK OF BAL HARBOR	FDEP	Class V Non-ASR	-	70	40	Biscayne	8/20/1984
5644	25° 45'	80° 13'	60805	WHITENER, C. H.	FDEP	Class V Non-ASR	-	70	65	Biscayne	8/16/1984
5645	25° 45'	80° 15'	60822	CABANA MOTEL	FDEP	Class V Non-ASR	-	70	66	Biscayne	8/16/1984
5646	25° 49'	80° 11'	62369	CONGER, EMERSON	FDEP	Class V Non-ASR	-	70	0	Biscayne	9/21/1984
5647	25° 45'	80° 11'	60038	MANDARIN ORIENTAL HOTEL	FDEP	Class V Non-ASR	-	70	40	Biscayne	3/19/1999
5648	25° 53'	80° 7'	60852	CARLTON TERRACE ASSOCIATION	FDEP	Class V Non-ASR	-	70	69	Biscayne	8/17/1984
5649	25° 41'	80° 16'	61604	HASSEN, STEPHEN	FDEP	Class V Non-ASR	-	70	70	Biscayne	2/21/1985
5650	25° 43'	80° 14'	60131	GROVE TOWERS, INC.	FDEP	Class V Non-ASR	-	70	57	Biscayne	3/26/1981
5651	25° 51'	80° 7'	60937	CITY OF MIAMI BEACH	FDEP	Class V Non-ASR	-	70	0	Biscayne	8/21/1984
5652	25° 44'	80° 14'	61698	MACKEL COMPANY, INC.	FDEP	Class V Non-ASR	-	70	0	Biscayne	7/25/1984
5653	25° 47'	80° 7'	60178	100 LINCOLN ROAD COMPANY	FDEP	Class V Non-ASR	-	70	64	Biscayne	11/16/1981
5654	25° 43'	80° 16'	63363	ROSENFIELD, GEORGE	FDEP	Class V Non-ASR	-	70	70	Biscayne	1/17/1985
5655	25° 44'	80° 13'	64197	MILLER, MAX	FDEP	Class V Non-ASR	-	70	65	Biscayne	10/15/1984
5656	25° 43'	80° 14'	63382	LINK, HELEN D.	FDEP	Class V Non-ASR	-	70	70	Biscayne	7/5/1984
5657	25° 45'	80° 14'	64241	MIAMI BOWLERS, INC.	FDEP	Class V Non-ASR	-	70	0	Biscayne	10/22/1984
5658	25° 51'	80° 8'	64289	COUIN, MICHAEL	FDEP	Class V Non-ASR	-	70	63	Biscayne	10/24/1984
5659	25° 42'	80° 16'	64314	FUENTES, MISS KAETHE D.	FDEP	Class V Non-ASR	-	70	70	Biscayne	10/24/1984
5660	25° 43'	80° 15'	64380	REEDY, MR. R. N.	FDEP	Class V Non-ASR	-	70	70	Biscayne	10/29/1984
5661	25° 51'	80° 7'	62749	PAULREY PROPERTIES	FDEP	Class V Non-ASR	-	70	64	Biscayne	10/25/1984
5662	25° 44'	80° 15'	63618	D'AMATO, JACK	FDEP	Class V Non-ASR	-	70	65	Biscayne	7/13/1984
5663	25° 43'	80° 16'	63664	COLROSS, JAMES	FDEP	Class V Non-ASR	-	70	70	Biscayne	7/19/1984
5664	25° 44'	80° 15'	63683	JAMES L. WILLIAMS	FDEP	Class V Non-ASR	-	70	67	Biscayne	7/25/1984
5665	25° 43'	80° 16'	62896	BROWN, RAYMOND	FDEP	Class V Non-ASR	-	70	70	Biscayne	11/16/1984
5666	25° 47'	80° 7'	63008	RITZ PLAZA HOTEL	FDEP	Class V Non-ASR	-	70	60	Biscayne	11/26/1984
5667	25° 44'	80° 16'	62972	HUNTZICKER, REV. HOWARD	FDEP	Class V Non-ASR	-	70	60	Biscayne	11/19/1984
5668	25° 40'	80° 19'	63803	COHEN, JOSEPH	FDEP	Class V Non-ASR	-	70	0	Biscayne	8/13/1984
5669	25° 41'	80° 16'	63037	EHMAN, ROBERT	FDEP	Class V Non-ASR	-	70	70	Biscayne	11/27/1984
5670	25° 43'	80° 15'	63068	JONES, ROBERT S.	FDEP	Class V Non-ASR	-	70	70	Biscayne	11/28/1984
5671	25° 51'	80° 10'	63866	HEAVLIN, KENNETH	FDEP	Class V Non-ASR	-	70	65	Biscayne	9/5/1984
5672	25° 45'	80° 15'	63872	KIM KELLY DRESS SHOP	FDEP	Class V Non-ASR	-	70	0	Biscayne	9/6/1984
5673	25° 47'	80° 15'	63972	LEJEUNE HOTEL	FDEP	Class V Non-ASR	-	70	50	Biscayne	9/26/1984
5674	25° 44'	80° 13'	63988	SCHWARTZ, LEON	FDEP	Class V Non-ASR	-	70	60	Biscayne	9/26/1984
5675	25° 41'	80° 9'	63145	KEY COLONY CONDO. PHASE II	FDEP	Class V Non-ASR	-	70	61	Biscayne	11/19/1978
5676	25° 42'	80° 15'	63170	JAMES D. ALBAN-DAVIES	FDEP	Class V Non-ASR	-	70	70	Biscayne	1/17/1985
5677	25° 46'	80° 10'	65512	WATSON ISLAND ACCESS ROAD	FDEP	Class V Non-ASR	-	70	53	Biscayne	10/13/1998
5678	25° 39'	80° 17'	63262	SEATON, FRANCIS B.	FDEP	Class V Non-ASR	-	70	65	Biscayne	1/4/1985
5679	25° 44'	80° 14'	64058	GUZIK, LOUIS J. JR.	FDEP	Class V Non-ASR	-	70	65	Biscayne	10/4/1984
5680	25° 54'	80° 9'	64076	LUDMAN CORP.	FDEP	Class V Non-ASR	-	70	0	Biscayne	10/4/1984
5681	25° 45'	80° 12'	64132	WEINGARTEN, MANNIE	FDEP	Class V Non-ASR	-	70	70	Biscayne	10/11/1984
5682	25° 47'	80° 8'	85133	PARK-SHORE	FDEP	Class V Non-ASR	-	70	58	Biscayne	3/17/2000
5683	25° 46'	80° 11'	83962	AMERICAN AIRLINES ARENA	FDEP	Class V Non-ASR	-	70	47	Biscayne	8/18/1999
5684	25° 47'	80° 8'	83446	THE GRAND FLAMINGO	FDEP	Class V Non-ASR	-	70	58	Biscayne	7/26/1999
5685	25° 53'	80° 9'	89404	HOME DEPOT-BISCAYNE BLVD.	FDEP	Class V Non-ASR	-	70	48	Biscayne	1/30/2003
5686	25° 47'	80° 10'	88330	PARROT JUNGLE @ GARDENS @ WATSON ISLAND	FDEP	Class V Non-ASR	-	70	50	Biscayne	4/30/2002
5687	25° 46'	80° 11'	93080	THE LOFT DOWNTOWN	FDEP	Class V Non-ASR	-	70	70	Biscayne	9/18/2005
5688	25° 46'	80° 10'	92461	PARKING LOTS-TERMINAL 3,4 &5	FDEP	Class V Non-ASR	-	70	47	Biscayne	3/29/1999
5689	25° 46'	80° 10'	92461	PARKING LOTS-TERMINAL 3,4 &5	FDEP	Class V Non-ASR	-	70	58	Biscayne	4/21/1999
5690	25° 52'	80° 10'	91178	K-MART # 4295	FDEP	Class V Non-ASR	-	70	70	Biscayne	1/4/1985
5691	25° 52'	80° 10'	91178	K-MART # 4295	FDEP	Class V Non-ASR	-	70	70	Biscayne	1/4/1985
5692	25° 52'	80° 10'	91178	K-MART # 4295	FDEP	Class V Non-ASR	-	70	70	Biscayne	1/4/1985
5693	25° 52'	80° 10'	91178	K-MART # 4295	FDEP	Class V Non-ASR	-	70	70	Biscayne	1/4/1985
5694	25° 52'	80° 10'	91178	K-MART # 4295	FDEP	Class V Non-ASR	-	70	70	Biscayne	1/4/1985
5695	25° 52'	80° 10'	91178	K-MART # 4295	FDEP	Class V Non-ASR	-	70	70	Biscayne	1/4/1985
5696	25° 52'	80° 10'	91178	K-MART # 4295	FDEP	Class V Non-ASR	-	70	70	Biscayne	1/4/1985
5697	25° 52'	80° 10'	91178	K-MART # 4295	FDEP	Class V Non-ASR	-	70	70	Biscayne	1/4/1985
5698	25° 52'	80° 10'	91178	K-MART # 4295	FDEP	Class V Non-ASR	-	70	70	Biscayne	1/4/1985

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
5699	25° 52'	80° 10'	91178	K-MART # 4295	FDEP	Class V Non-ASR	-	70	70	Biscayne	1/4/1985
5700	25° 45'	80° 11'	92640	1110 BRICKELL BUILDING	FDEP	Class V Non-ASR	-	70	60	Biscayne	1/1/1970
5701	25° 45'	80° 11'	92640	1110 BRICKELL BUILDING	FDEP	Class V Non-ASR	-	70	60	Biscayne	1/1/1970
5702	25° 44'	80° 16'	95404	ALLEN MORRIS	FDEP	Class V Non-ASR	-	70	63	Biscayne	10/26/1988
5703	25° 46'	80° 11'	93875	MET 3 CONDOMINIUM	FDEP	Class V Non-ASR	-	70	50	Biscayne	6/25/2014
5704	25° 45'	80° 8'	102631	PALAZZO DEL LUNA	FDEP	Class V Non-ASR	-	70	60	Biscayne	10/20/2016
5705	25° 50'	80° 11'	104362	DEAN CLAUSSEN - WALTON FLOOR	FDEP	Class V Non-ASR	-	70	60	Biscayne	1/1/1970
5706	25° 45'	80° 11'	106114	888 BRICKELL PLAZA	FDEP	Class V Non-ASR	-	70	62	Biscayne	1/1/1970
5707	25° 45'	80° 11'	106114	888 BRICKELL PLAZA	FDEP	Class V Non-ASR	-	70	62	Biscayne	1/1/1970
5708	25° 48'	80° 8'	102544	LOWER NORTH BAY ROAD INFRASTRUCTURE IMPROVEMENTS	FDEP	Class V Non-ASR	-	70	60	Biscayne	9/18/2015
5709	25° 47'	80° 9'	103163	PUGGINA RESIDENCE	FDEP	Class V Non-ASR	-	70	60	Biscayne	1/27/2017
5710	25° 47'	80° 8'	103213	MONAD TERRACE	FDEP	Class V Non-ASR	-	70	60	Biscayne	3/1/2018
5711	25° 46'	80° 8'	101339	FIRST STREET DEVELOPMENT LLC	FDEP	Class V Non-ASR	-	71	60	Biscayne	10/15/2014
5712	25° 47'	80° 7'	57129	BASS MUSEUM	FDEP	Class V Non-ASR	-	71	33	Biscayne	1/14/1999
5713	25° 54'	80° 9'	62615	REINCHE, G.E.	FDEP	Class V Non-ASR	-	71	66	Biscayne	3/4/2008
5714	25° 45'	80° 11'	60274	1221 BRICKELL AMERISWISS ASSOCIATES	FDEP	Class V Non-ASR	-	71	62	Biscayne	9/24/1984
5715	25° 46'	80° 8'	59654	THE COURTS AT SOUTH BEACH	FDEP	Class V Non-ASR	-	71	54	Biscayne	9/2/1995
5716	25° 41'	80° 16'	61976	RICHTER, WILLIAM	FDEP	Class V Non-ASR	-	71	65	Biscayne	8/13/1984
5717	25° 51'	80° 11'	61198	HABERSIN, DOROTHY	FDEP	Class V Non-ASR	-	71	69	Biscayne	9/4/1984
5718	25° 53'	80° 7'	59862	BAL HARBOUR VILLAGE	FDEP	Class V Non-ASR	-	71	30	Biscayne	9/13/1996
5719	25° 49'	80° 7'	59979	BLUE DIAMOND CONDOMINIUM	FDEP	Class V Non-ASR	-	71	33	Biscayne	3/12/1999
5720	25° 48'	80° 8'	60775	BUNNELL POOLS, INC.	FDEP	Class V Non-ASR	-	71	67	Biscayne	8/15/1984
5721	25° 45'	80° 11'	60039	JW MARRIOTT HOTEL	FDEP	Class V Non-ASR	-	71	41	Biscayne	7/26/1999
5722	25° 45'	80° 11'	60039	JW MARRIOTT HOTEL	FDEP	Class V Non-ASR	-	71	43	Biscayne	7/19/1999
5723	25° 45'	80° 8'	60139	ISLAND DEVELOPERS LTD. WATER SHED B	FDEP	Class V Non-ASR	-	71	56	Biscayne	2/3/1982
5724	25° 49'	80° 15'	63400	HENRY MANGELS CO.	FDEP	Class V Non-ASR	-	71	64	Biscayne	7/5/1984
5725	25° 42'	80° 9'	62808	QUALITY MOTEL	FDEP	Class V Non-ASR	-	71	61	Biscayne	11/14/1984
5726	25° 47'	80° 7'	64425	OPPENHEIMER, MRS. CHAS.	FDEP	Class V Non-ASR	-	71	69	Biscayne	10/31/1984
5727	25° 43'	80° 16'	83629	UNIVERSITY OF MIAMI	FDEP	Class V Non-ASR	-	71	49	Biscayne	6/30/1999
5728	25° 46'	80° 11'	83962	AMERICAN AIRLINES ARENA	FDEP	Class V Non-ASR	-	71	60	Biscayne	8/24/1999
5729	25° 47'	80° 8'	83446	THE GRAND FLAMINGO	FDEP	Class V Non-ASR	-	71	60	Biscayne	7/8/1999
5730	25° 45'	80° 11'	89318	JADE RESIDENCES/BAYSHORE PALM	FDEP	Class V Non-ASR	-	71	38	Biscayne	7/26/2002
5731	25° 41'	80° 10'	91493	JOSE ARDID RESIDENCE	FDEP	Class V Non-ASR	-	71	43	Biscayne	12/23/2003
5732	25° 47'	80° 7'	94932	RICHMOND HOTEL	FDEP	Class V Non-ASR	-	71	66	Biscayne	10/18/1994
5733	25° 51'	80° 7'	94263	6800 INDIAN CREEK	FDEP	Class V Non-ASR	-	71	81	Biscayne	6/28/2019
5734	25° 46'	80° 7'	94351	7 & 8 STREETS DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	71	61	Biscayne	10/17/2006
5735	25° 46'	80° 8'	101258	ONE OCEAN	FDEP	Class V Non-ASR	-	72	67	Biscayne	9/16/2013
5736	25° 48'	80° 8'	102313	CHASE AVE RESIDENCE / TRUNG NGHIA DUONG	FDEP	Class V Non-ASR	-	72	60	Biscayne	8/10/2015
5737	25° 48'	80° 8'	56560	NAUTILUS MIDDLE SCHOOL	FDEP	Class V Non-ASR	-	72	50	Biscayne	11/21/1995
5738	25° 48'	80° 7'	60234	TEXACO SERVICE STATION	FDEP	Class V Non-ASR	-	72	71	Biscayne	1/26/1983
5739	25° 53'	80° 7'	60966	MARQUARDT, CLARENCE	FDEP	Class V Non-ASR	-	72	64	Biscayne	8/23/1984
5740	25° 53'	80° 7'	60270	LAKEWOOD BUILDERS, INC.	FDEP	Class V Non-ASR	-	72	58	Biscayne	9/14/1983
5741	25° 48'	80° 12'	61138	DAVID POULTRY&EGG	FDEP	Class V Non-ASR	-	72	68	Biscayne	8/31/1984
5742	25° 41'	80° 9'	59775	GRAND BAY RESIDENCES - TOWER I	FDEP	Class V Non-ASR	-	72	50	Biscayne	4/11/1996
5743	25° 41'	80° 9'	59775	GRAND BAY RESIDENCES - TOWER I	FDEP	Class V Non-ASR	-	72	50	Biscayne	4/11/1996
5744	25° 41'	80° 9'	59775	GRAND BAY RESIDENCES - TOWER I	FDEP	Class V Non-ASR	-	72	50	Biscayne	4/11/1996
5745	25° 41'	80° 9'	59775	GRAND BAY RESIDENCES - TOWER I	FDEP	Class V Non-ASR	-	72	50	Biscayne	4/11/1996
5746	25° 42'	80° 16'	60508	HENRY, ALLAN L.	FDEP	Class V Non-ASR	-	72	67	Biscayne	7/27/1984
5747	25° 49'	80° 17'	60585	CALVERT, ART	FDEP	Class V Non-ASR	-	72	66	Biscayne	8/1/1984
5748	25° 46'	80° 16'	60594	HANSEN, ARTHUR	FDEP	Class V Non-ASR	-	72	59	Biscayne	8/1/1984
5749	25° 42'	80° 16'	62313	OCCUPANT (WALTER O. BYRD)	FDEP	Class V Non-ASR	-	72	72	Biscayne	11/15/1984
5750	25° 46'	80° 10'	60019	(PORT OF MIAMI) TERMINAL 3,4,5 PARKING GARAGE	FDEP	Class V Non-ASR	-	72	60	Biscayne	5/3/1999
5751	25° 41'	80° 9'	60021	GRAND BAY TOWER	FDEP	Class V Non-ASR	-	72	52	Biscayne	8/5/1999
5752	25° 46'	80° 8'	60043	AMBASSADORS OF LIBERTY	FDEP	Class V Non-ASR	-	72	52	Biscayne	3/26/1999
5753	25° 42'	80° 16'	60908	HUNTER, CHESTER	FDEP	Class V Non-ASR	-	72	66	Biscayne	8/20/1984
5754	25° 46'	80° 12'	62489	FLAGLER HOTEL	FDEP	Class V Non-ASR	-	72	63	Biscayne	10/5/1984
5755	25° 47'	80° 7'	64238	MIA. BCH. FED. SAVINGS	FDEP	Class V Non-ASR	-	72	67	Biscayne	10/22/1984
5756	25° 46'	80° 14'	64335	MOOSE HALL	FDEP	Class V Non-ASR	-	72	0	Biscayne	10/25/1984
5757	25° 46'	80° 11'	62798	POSTAL PARKING CO.	FDEP	Class V Non-ASR	-	72	68	Biscayne	10/29/1984
5758	25° 41'	80° 9'	84672	RITZ-CARLTON RESORT, KEY BISCAYNE	FDEP	Class V Non-ASR	-	72	55	Biscayne	1/18/2000
5759	25° 47'	80° 8'	83446	THE GRAND FLAMINGO	FDEP	Class V Non-ASR	-	72	60	Biscayne	6/25/1999
5760	25° 52'	80° 7'	85395	FOUR WINDS CONDOMINIUM	FDEP	Class V Non-ASR	-	72	40	Biscayne	4/24/2000
5761	25° 46'	80° 8'	87965	COSMOPOLITAN @ SOUTH BEACH	FDEP	Class V Non-ASR	-	72	51	Biscayne	8/23/2002
5762	25° 46'	80° 8'	87965	COSMOPOLITAN @ SOUTH BEACH	FDEP	Class V Non-ASR	-	72	47	Biscayne	8/6/2002
5763	25° 47'	80° 10'	88330	PARROT JUNGLE @ GARDENS @ WATSON ISLAND	FDEP	Class V Non-ASR	-	72	51	Biscayne	5/27/2002
5764	25° 47'	80° 10'	88330	PARROT JUNGLE @ GARDENS @ WATSON ISLAND	FDEP	Class V Non-ASR	-	72	51	Biscayne	6/4/2002
5765	25° 47'	80° 10'	88330	PARROT JUNGLE @ GARDENS @ WATSON ISLAND	FDEP	Class V Non-ASR	-	72	47	Biscayne	6/2/2002
5766	25° 47'	80° 10'	88330	PARROT JUNGLE @ GARDENS @ WATSON ISLAND	FDEP	Class V Non-ASR	-	72	51	Biscayne	5/22/2002
5767	25° 45'	80° 11'	89318	JADE RESIDENCES/BAYSHORE PALM	FDEP	Class V Non-ASR	-	72	37	Biscayne	8/5/2002
5768	25° 45'	80° 11'	92544	SOLARIS	FDEP	Class V Non-ASR	-	72	56	Biscayne	2/22/2005
5769	25° 48'	80° 8'	102544	LOWER NORTH BAY ROAD INFRASTRUCTURE IMPROVEMENTS	FDEP	Class V Non-ASR	-	72	62	Biscayne	9/2/2015
5770	25° 47'	80° 7'	101996	HADDON HALL HOTEL	FDEP	Class V Non-ASR	-	73	61	Biscayne	12/15/2014
5771	25° 47'	80° 9'	100940	EMMANUEL SEBAG RESIDENCE	FDEP	Class V Non-ASR	-	73	60	Biscayne	10/13/2013
5772	25° 48'	80° 8'	56560	NAUTILUS MIDDLE SCHOOL	FDEP	Class V Non-ASR	-	73	50	Biscayne	11/28/1995
5773	25° 43'	80° 14'	57519	TERREMARK CENTRE (GENERAL DEV. CORP)	FDEP	Class V Non-ASR	-	73	60	Biscayne	1/15/1988
5774	25° 43'	80° 14'	57519	TERREMARK CENTRE (GENERAL DEV. CORP)	FDEP	Class V Non-ASR	-	73	61	Biscayne	1/15/1988
5775	25° 47'	80° 8'	57108	SUNSET HARBOUR DRIVE ROAD IMPROVEMENTS	FDEP	Class V Non-ASR	-	73	63	Biscayne	9/5/2012
5776	25° 47'	80° 7'	58066	RITZ PLAZA HOTEL	FDEP	Class V Non-ASR	-	73	50	Biscayne	3/11/2011
5777	25° 43'	80° 16'	61790	UNIV. OF MIAMI	FDEP	Class V Non-ASR	-	73	64	Biscayne	8/1/1984
5778	25° 45'	80° 15'	60247	REGENCY SQUARE PROPERTIES, INC	FDEP	Class V Non-ASR	-	73	57	Biscayne	7/22/1984
5779	25° 43'	80° 14'	60258	MAYFAIR-IN-THE-GROVE	FDEP	Class V Non-ASR	-	73	59	Biscayne	5/4/1983
5780	25° 53'	80° 7'	60303	KENILWORTH HOUSE, INC.	FDEP	Class V Non-ASR	-	73	63	Biscayne	8/27/1981
5781	25° 47'	80° 7'	60304	SOLYMAR AT PLACE MISHAL	FDEP	Class V Non-ASR	-	73	68	Biscayne	4/2/1984
5782	25° 43'	80° 14'	60310	SHOPS IN THE GROVE, INC.	FDEP	Class V Non-ASR	-	73	65	Biscayne	8/15/1979
5783	25° 46'	80° 11'	60311	GERSHEN, LESTER M.	FDEP	Class V Non-ASR	-	73	58	Biscayne	3/15/1979
5784	25° 41'	80° 9'	59857	OCEANA RESIDENCES AT KEY BISCAYNE	FDEP	Class V Non-ASR	-	73	50	Biscayne	10/4/2012
5785	25° 45'	80° 11'	59944	THE YACHT CLUB AT BRICKELL	FDEP	Class V Non-ASR	-	73	41	Biscayne	7/14/1997
5786	25° 47'	80° 11'	59998	SYNCHRON PARKING (MIRAMAR TOWER I)	FDEP	Class V Non-ASR	-	73	41	Biscayne	7/8/1998
5787	25° 49'	80° 15'	61556	SOUTHERN BEVERAGES	FDEP	Class V Non-ASR	-	73	67	Biscayne	7/20/1984

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
5788	25° 41'	80° 9'	60021	GRAND BAY TOWER	FDEP	Class V Non-ASR	-	73	53	Biscayne	8/12/1999
5789	25° 45'	80° 8'	60140	ISLAND DEVELOPERS LTD. WATER SHED A	FDEP	Class V Non-ASR	-	73	63	Biscayne	2/3/1982
5790	25° 52'	80° 7'	60165	ABBOTT BY THE SEA CONDOMINIUM	FDEP	Class V Non-ASR	-	73	65	Biscayne	6/23/1981
5791	25° 53'	80° 7'	60171	WIMBLEDON RACQUET CLUB, INC.	FDEP	Class V Non-ASR	-	73	68	Biscayne	9/6/1980
5792	25° 44'	80° 12'	64228	MERCY HOSPITAL	FDEP	Class V Non-ASR	-	73	65	Biscayne	10/22/1984
5793	25° 50'	80° 14'	63442	HI-GRADE FOOD CO.	FDEP	Class V Non-ASR	-	73	69	Biscayne	8/16/1985
5794	25° 49'	80° 11'	63043	GALT, ROBERT	FDEP	Class V Non-ASR	-	73	68	Biscayne	11/27/1984
5795	25° 52'	80° 11'	63085	SAYE, ROLAND	FDEP	Class V Non-ASR	-	73	70	Biscayne	11/28/1984
5796	25° 51'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	73	44	Biscayne	1/3/1996
5797	25° 52'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	73	39	Biscayne	6/23/1995
5798	25° 52'	80° 10'	64055	COLOVOS, LOUIS	FDEP	Class V Non-ASR	-	73	53	Biscayne	10/4/1984
5799	25° 42'	80° 18'	64081	SOUTH MIAMI LUTHERAN CHURCH	FDEP	Class V Non-ASR	-	73	63	Biscayne	10/4/1984
5800	25° 41'	80° 9'	84672	RITZ-CARLTON RESORT, KEY BISCAYNE	FDEP	Class V Non-ASR	-	73	51	Biscayne	1/10/2000
5801	25° 41'	80° 9'	84672	RITZ-CARLTON RESORT, KEY BISCAYNE	FDEP	Class V Non-ASR	-	73	50	Biscayne	2/18/2000
5802	25° 47'	80° 8'	83446	THE GRAND FLAMINGO	FDEP	Class V Non-ASR	-	73	60	Biscayne	6/16/1999
5803	25° 47'	80° 8'	83446	THE GRAND FLAMINGO	FDEP	Class V Non-ASR	-	73	62	Biscayne	6/30/1999
5804	25° 47'	80° 8'	83446	THE GRAND FLAMINGO	FDEP	Class V Non-ASR	-	73	58	Biscayne	7/22/1999
5805	25° 47'	80° 8'	83446	THE GRAND FLAMINGO	FDEP	Class V Non-ASR	-	73	58	Biscayne	7/20/1999
5806	25° 45'	80° 11'	89318	JADE RESIDENCES/BAYSHORE PALM	FDEP	Class V Non-ASR	-	73	38	Biscayne	6/11/2002
5807	25° 41'	80° 10'	92256	KEY BISCAYNE COMMUNITY SCHOOL	FDEP	Class V Non-ASR	-	73	58	Biscayne	8/3/2004
5808	25° 53'	80° 8'	91086	BAY HARBOR ISLANDS, TOWN OF	FDEP	Class V Non-ASR	-	73	63	Biscayne	10/22/2003
5809	25° 53'	80° 8'	91086	BAY HARBOR ISLANDS, TOWN OF	FDEP	Class V Non-ASR	-	73	63	Biscayne	10/10/2003
5810	25° 43'	80° 14'	91461	CITY OF MIAMI BEACH INTERNATIONAL WATER SPORTS CTR	FDEP	Class V Non-ASR	-	73	53	Biscayne	11/25/2003
5811	25° 47'	80° 8'	103213	MONAD TERRACE	FDEP	Class V Non-ASR	-	73	60	Biscayne	3/8/2018
5812	25° 47'	80° 8'	101229	GAP STORE	FDEP	Class V Non-ASR	-	74	64	Biscayne	8/2/2013
5813	25° 47'	80° 8'	98465	PODA RESIDENCE	FDEP	Class V Non-ASR	-	74	58	Biscayne	9/8/2010
5814	25° 53'	80° 7'	97735	BAY HARBOR PARKING GARAGE	FDEP	Class V Non-ASR	-	74	59	Biscayne	7/6/2009
5815	25° 53'	80° 9'	59131	UNIVERSAL PLAZA	FDEP	Class V Non-ASR	-	74	61	Biscayne	2/28/1993
5816	25° 55'	80° 7'	57044	HAULOVER BEACH PARKING LOT NO. 2	FDEP	Class V Non-ASR	-	74	53	Biscayne	12/23/1991
5817	25° 47'	80° 8'	57108	SUNSET HARBOUR DRIVE ROAD IMPROVEMENTS	FDEP	Class V Non-ASR	-	74	61	Biscayne	10/22/2012
5818	25° 46'	80° 11'	59329	OLD FLAGLER FED. BLDG. PTNSHP	FDEP	Class V Non-ASR	-	74	64	Biscayne	11/10/1993
5819	25° 45'	80° 11'	59422	GANADERO FINANCIAL CENTER	FDEP	Class V Non-ASR	-	74	58	Biscayne	3/25/1994
5820	25° 45'	80° 11'	59423	INTERN'L FINANCE BANK BRICKELL BRANCH	FDEP	Class V Non-ASR	-	74	56	Biscayne	3/24/1994
5821	25° 49'	80° 11'	60973	SMITH, CLEVELAND	FDEP	Class V Non-ASR	-	74	70	Biscayne	8/23/1984
5822	25° 47'	80° 7'	60304	SOLYMAR AT PLACE MISHAL	FDEP	Class V Non-ASR	-	74	68	Biscayne	4/2/1984
5823	25° 46'	80° 17'	60546	ANTHONY & BRIDY, INC.	FDEP	Class V Non-ASR	-	74	57	Biscayne	7/31/1984
5824	25° 46'	80° 12'	60627	GONZALES, B.	FDEP	Class V Non-ASR	-	74	70	Biscayne	8/2/1984
5825	25° 44'	80° 16'	62186	GRAHAM, H.W.	FDEP	Class V Non-ASR	-	74	72	Biscayne	9/21/1984
5826	25° 44'	80° 13'	60692	OREN, BENJAMIN	FDEP	Class V Non-ASR	-	74	62	Biscayne	8/7/1984
5827	25° 40'	80° 17'	62325	OCCUPANT (HARRY R. ATKISON)	FDEP	Class V Non-ASR	-	74	68	Biscayne	10/12/1984
5828	25° 49'	80° 11'	62404	RYON, F. N.	FDEP	Class V Non-ASR	-	74	69	Biscayne	9/24/1984
5829	25° 44'	80° 13'	64290	ROSE, MICHAEL	FDEP	Class V Non-ASR	-	74	72	Biscayne	10/24/1984
5830	25° 41'	80° 16'	63543	CUNNINGHAM, IVAN	FDEP	Class V Non-ASR	-	74	70	Biscayne	7/11/1984
5831	25° 54'	80° 9'	63624	KASPER, JACK	FDEP	Class V Non-ASR	-	74	69	Biscayne	7/13/1984
5832	25° 50'	80° 7'	63985	CHAVES, LEON	FDEP	Class V Non-ASR	-	74	70	Biscayne	9/26/1984
5833	25° 51'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	74	34	Biscayne	6/23/1995
5834	25° 44'	80° 12'	64116	WEINKLE, M.R.	FDEP	Class V Non-ASR	-	74	0	Biscayne	10/9/1984
5835	25° 47'	80° 8'	83446	THE GRAND FLAMINGO	FDEP	Class V Non-ASR	-	74	66	Biscayne	6/23/1999
5836	25° 47'	80° 8'	83446	THE GRAND FLAMINGO	FDEP	Class V Non-ASR	-	74	60	Biscayne	7/13/1999
5837	25° 46'	80° 11'	87445	COURTS BRICKELL KEY	FDEP	Class V Non-ASR	-	74	50	Biscayne	5/30/2001
5838	25° 53'	80° 9'	89404	HOME DEPOT-BISCAYNE BLVD.	FDEP	Class V Non-ASR	-	74	50	Biscayne	1/23/2003
5839	25° 47'	80° 7'	94907	LUMMUS NEIGHBORHOOD DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	74	55	Biscayne	2/25/2008
5840	25° 46'	80° 7'	94351	7 & 8 STREETS DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	74	63	Biscayne	9/19/2006
5841	25° 53'	80° 7'	103203	ONE BY TROSS AKA 1150 101ST STREET	FDEP	Class V Non-ASR	-	74	60	Biscayne	2/5/2017
5842	25° 45'	80° 8'	102631	PALAZZO DEL LUNA	FDEP	Class V Non-ASR	-	74	60	Biscayne	10/24/2016
5843	25° 47'	80° 7'	106169	NASSAU HOTEL	FDEP	Class V Non-ASR	-	74	88	Biscayne	6/27/2019
5844	25° 46'	80° 11'	98958	FLORIDA DEPT. OF STATE FOR TIITF	FDEP	Class V Non-ASR	-	75	60	Biscayne	1/22/2011
5845	25° 46'	80° 9'	101363	V.I. HIBISCUS 4445 LLC	FDEP	Class V Non-ASR	-	75	65	Biscayne	7/23/2014
5846	25° 46'	80° 9'	100967	CITY OF MIAMI BEACH - PUBLIC WORKS DEPT.	FDEP	Class V Non-ASR	-	75	65	Biscayne	1/24/2014
5847	25° 46'	80° 9'	100967	CITY OF MIAMI BEACH - PUBLIC WORKS DEPT.	FDEP	Class V Non-ASR	-	75	65	Biscayne	1/22/2014
5848	25° 46'	80° 8'	101509	PORFIRIO'S RESTAURANT	FDEP	Class V Non-ASR	-	75	61	Biscayne	12/5/2013
5849	25° 46'	80° 7'	102330	HEATHCOTE & POOL DECK	FDEP	Class V Non-ASR	-	75	60	Biscayne	7/21/2015
5850	25° 44'	80° 9'	56557	102 INCH FORCE MAIN AT VIRGINIA KEY	FDEP	Class V Non-ASR	-	75	50	Biscayne	7/28/1994
5851	25° 46'	80° 11'	59584	TEQUESTA	FDEP	Class V Non-ASR	-	75	60	Biscayne	1/24/1995
5852	25° 50'	80° 14'	59608	BURDINES	FDEP	Class V Non-ASR	-	75	60	Biscayne	1/1/1979
5853	25° 44'	80° 10'	57169	RUSTY PELICAN	FDEP	Class V Non-ASR	-	75	57	Biscayne	3/12/1987
5854	25° 38'	80° 17'	59378	DEERING BAY MARINA	FDEP	Class V Non-ASR	-	75	48	Biscayne	2/15/1994
5855	25° 52'	80° 7'	59414	ATLANTIC ROSE CONDOMINIUMS	FDEP	Class V Non-ASR	-	75	54	Biscayne	6/21/1994
5856	25° 43'	80° 16'	62553	MARTIN, FRANK	FDEP	Class V Non-ASR	-	75	0	Biscayne	10/16/1984
5857	25° 49'	80° 15'	61786	UNITED STEEL CONT.	FDEP	Class V Non-ASR	-	75	66	Biscayne	8/1/1984
5858	25° 44'	80° 13'	61800	THOMASON, V. S.	FDEP	Class V Non-ASR	-	75	75	Biscayne	8/2/1984
5859	25° 45'	80° 11'	62584	SMITH, FRED	FDEP	Class V Non-ASR	-	75	70	Biscayne	10/18/1984
5860	25° 46'	80° 11'	60999	CONGRESS BUILDING, INC.	FDEP	Class V Non-ASR	-	75	73	Biscayne	8/24/1984
5861	25° 45'	80° 11'	61008	CORAL-PONCE CORP.	FDEP	Class V Non-ASR	-	75	64	Biscayne	8/24/1984
5862	25° 50'	80° 12'	62623	SIRMAN, G.G.	FDEP	Class V Non-ASR	-	75	0	Biscayne	10/19/1984
5863	25° 47'	80° 7'	60304	SOLYMAR AT PLACE MISHAL	FDEP	Class V Non-ASR	-	75	68	Biscayne	4/10/1984
5864	25° 45'	80° 12'	60368	MAKSTEIN, SAMUAL	FDEP	Class V Non-ASR	-	75	75	Biscayne	6/27/1984
5865	25° 46'	80° 8'	59707	VILLAS OF SOUTH BEACH	FDEP	Class V Non-ASR	-	75	49	Biscayne	2/14/1996
5866	25° 45'	80° 13'	60390	IGNELZI, A. J.	FDEP	Class V Non-ASR	-	75	0	Biscayne	6/28/1984
5867	25° 46'	80° 11'	62007	WOMETCO ENTERPRISES, INC.	FDEP	Class V Non-ASR	-	75	70	Biscayne	8/14/1984
5868	25° 45'	80° 12'	61221	MEISELMAN, DR. BARRY	FDEP	Class V Non-ASR	-	75	70	Biscayne	9/6/1984
5869	25° 44'	80° 13'	61228	SUAREZ, DR. E. T.	FDEP	Class V Non-ASR	-	75	65	Biscayne	9/6/1984
5870	25° 46'	80° 13'	61233	MCELHENY, DR. FRANKLIN	FDEP	Class V Non-ASR	-	75	70	Biscayne	9/6/1984
5871	25° 44'	80° 16'	61237	GREEN, HENRY, DR.	FDEP	Class V Non-ASR	-	75	75	Biscayne	9/6/1984
5872	25° 46'	80° 14'	62020	1ST CHURCH OF NAZARENE	FDEP	Class V Non-ASR	-	75	70	Biscayne	8/14/1984
5873	25° 51'	80° 7'	62068	MAURER, GEORGE	FDEP	Class V Non-ASR	-	75	70	Biscayne	9/13/1984
5874	25° 40'	80° 16'	62164	HARTLINE, H. C.	FDEP	Class V Non-ASR	-	75	75	Biscayne	9/20/1984
5875	25° 51'	80° 8'	60658	BAY TERRACE APTS.	FDEP	Class V Non-ASR	-	75	63	Biscayne	8/6/1984
5876	25° 47'	80° 7'	62230	VOILER, HARRY O.	FDEP	Class V Non-ASR	-	75	70	Biscayne	9/25/1984

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
5877	25° 47'	80° 8'	59926	SUNSET HARBOR SOUTH TOWER	FDEP	Class V Non-ASR	-	75	63	Biscayne	2/13/1997
5878	25° 47'	80° 8'	59926	SUNSET HARBOR SOUTH TOWER	FDEP	Class V Non-ASR	-	75	63	Biscayne	2/13/1997
5879	25° 46'	80° 8'	59961	YACHT CLUB AT PORTOFINO	FDEP	Class V Non-ASR	-	75	60	Biscayne	1/29/1999
5880	25° 41'	80° 9'	61486	SHOREHAM NORMAN HOTEL	FDEP	Class V Non-ASR	-	75	65	Biscayne	7/19/1984
5881	25° 54'	80° 8'	60003	DADE MARINE INSTITUTE	FDEP	Class V Non-ASR	-	75	45	Biscayne	8/1/1998
5882	25° 49'	80° 11'	61590	BUILDERS, STANLEY	FDEP	Class V Non-ASR	-	75	67	Biscayne	7/23/1984
5883	25° 41'	80° 9'	60021	GRAND BAY TOWER	FDEP	Class V Non-ASR	-	75	40	Biscayne	7/30/1999
5884	25° 46'	80° 7'	62427	FERRAND CORP.	FDEP	Class V Non-ASR	-	75	58	Biscayne	9/26/1984
5885	25° 44'	80° 14'	62454	FLORIDA HILL YORK CORPORATION	FDEP	Class V Non-ASR	-	75	0	Biscayne	9/28/1984
5886	25° 45'	80° 8'	60139	ISLAND DEVELOPERS LTD. WATER SHED B	FDEP	Class V Non-ASR	-	75	52	Biscayne	2/3/1982
5887	25° 41'	80° 9'	62508	FOOD FAIR STORES	FDEP	Class V Non-ASR	-	75	64	Biscayne	10/8/1984
5888	25° 52'	80° 10'	64264	MIAMI SHORES CITY CLUB	FDEP	Class V Non-ASR	-	75	63	Biscayne	10/23/1984
5889	25° 45'	80° 12'	64415	MARGOSHES, MRS. STANLEY	FDEP	Class V Non-ASR	-	75	0	Biscayne	10/30/1984
5890	25° 43'	80° 14'	62903	RUGGLES, READ S., JR.	FDEP	Class V Non-ASR	-	75	75	Biscayne	11/19/1984
5891	25° 51'	80° 8'	63693	JAMES V. WARNOCK	FDEP	Class V Non-ASR	-	75	0	Biscayne	7/25/1984
5892	25° 49'	80° 18'	63027	MATTES, ROBERT A.	FDEP	Class V Non-ASR	-	75	0	Biscayne	11/27/1984
5893	25° 43'	80° 15'	62945	NW OPERATING CO.	FDEP	Class V Non-ASR	-	75	0	Biscayne	8/26/1985
5894	25° 52'	80° 10'	63249	K-MART SHOPPING CENTER	FDEP	Class V Non-ASR	-	75	70	Biscayne	1/4/1985
5895	25° 43'	80° 14'	64109	STODDARD, M. L.	FDEP	Class V Non-ASR	-	75	65	Biscayne	10/5/1984
5896	25° 47'	80° 8'	83446	THE GRAND FLAMINGO	FDEP	Class V Non-ASR	-	75	60	Biscayne	6/18/1999
5897	25° 47'	80° 8'	83446	THE GRAND FLAMINGO	FDEP	Class V Non-ASR	-	75	60	Biscayne	6/11/1999
5898	25° 47'	80° 8'	83446	THE GRAND FLAMINGO	FDEP	Class V Non-ASR	-	75	65	Biscayne	6/29/1999
5899	25° 47'	80° 8'	83446	THE GRAND FLAMINGO	FDEP	Class V Non-ASR	-	75	62	Biscayne	7/2/1999
5900	25° 45'	80° 11'	85505	ESPIRITO SANTO PLAZA	FDEP	Class V Non-ASR	-	75	40	Biscayne	9/27/2000
5901	25° 46'	80° 7'	89446	SOUTH BEACH PARKING GARAGE	FDEP	Class V Non-ASR	-	75	52	Biscayne	6/20/2002
5902	25° 46'	80° 8'	90207	WEST AVENUE PARKING	FDEP	Class V Non-ASR	-	75	35	Biscayne	2/3/2003
5903	25° 46'	80° 8'	90255	METROPOLITAN 900	FDEP	Class V Non-ASR	-	75	63	Biscayne	2/10/2003
5904	25° 47'	80° 8'	91749	BAY ROAD BETWEEN 14TH & 16TH STREETS	FDEP	Class V Non-ASR	-	75	60	Biscayne	4/16/2004
5905	25° 47'	80° 8'	91749	BAY ROAD BETWEEN 14TH & 16TH STREETS	FDEP	Class V Non-ASR	-	75	58	Biscayne	1/11/2013
5906	25° 47'	80° 8'	91749	BAY ROAD BETWEEN 14TH & 16TH STREETS	FDEP	Class V Non-ASR	-	75	58	Biscayne	3/25/2013
5907	25° 51	80° 9'	92089	BLUE BAY TOWER	FDEP	Class V Non-ASR	-	75	65	Biscayne	4/12/2005
5908	25° 51'	80° 9'	94810	CIELO ON THE BAY	FDEP	Class V Non-ASR	-	75	65	Biscayne	12/11/2007
5909	25° 51'	80° 9'	94778	ELOQUENCE ON THE BAY	FDEP	Class V Non-ASR	-	75	65	Biscayne	11/27/2007
5910	25° 47'	80° 8'	95044	1300 PENNSYLVANIA CONDO	FDEP	Class V Non-ASR	-	75	63	Biscayne	6/23/2008
5911	25° 53'	80° 7'	103084	BIJOU BAY HARBOR	FDEP	Class V Non-ASR	-	75	50	Biscayne	1/11/2017
5912	25° 46'	80° 8'	105896	929 ALTON RD	FDEP	Class V Non-ASR	-	75	65	Biscayne	3/7/2019
5913	25° 47'	80° 8'	105985	1212 LINCOLN	FDEP	Class V Non-ASR	-	75	65	Biscayne	5/29/2019
5914	25° 47'	80° 9'	102733	SAN MARINO ISLAND	FDEP	Class V Non-ASR	-	75	59	Biscayne	3/10/2016
5915	25° 47'	80° 8'	103213	MONAD TERRACE	FDEP	Class V Non-ASR	-	75	60	Biscayne	2/7/2018
5916	25° 47'	80° 8'	103213	MONAD TERRACE	FDEP	Class V Non-ASR	-	75	60	Biscayne	2/10/2018
5917	25° 47'	80° 8'	103213	MONAD TERRACE	FDEP	Class V Non-ASR	-	75	60	Biscayne	2/16/2018
5918	25° 46'	80° 7'	97936	LUMMUS 8TH STREET AND COLLINS CT DRAINAGE IMP	FDEP	Class V Non-ASR	-	76	64	Biscayne	7/16/2009
5919	25° 46'	80° 9'	101624	BORUKHIN RESIDENCE	FDEP	Class V Non-ASR	-	76	56	Biscayne	3/3/2014
5920	25° 46'	80° 9'	99771	JOHN FORTE RESIDENCE	FDEP	Class V Non-ASR	-	76	50	Biscayne	12/9/2011
5921	25° 47'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	76	57	Biscayne	4/1/1993
5922	25° 55'	80° 7'	57044	HAULOVER BEACH PARKING LOT NO. 2	FDEP	Class V Non-ASR	-	76	63	Biscayne	6/26/2015
5923	25° 47'	80° 8'	57108	SUNSET HARBOUR DRIVE ROAD IMPROVEMENTS	FDEP	Class V Non-ASR	-	76	63	Biscayne	7/25/2012
5924	25° 48'	80° 8'	57111	MIAMI BEACH MICH. AVE & NAUTILUS DR	FDEP	Class V Non-ASR	-	76	50	Biscayne	10/8/1996
5925	25° 53'	80° 9'	59278	JOHNSON & WALES UNIVERSITY N.M. CAMP	FDEP	Class V Non-ASR	-	76	60	Biscayne	8/2/1993
5926	25° 48'	80° 11'	62621	G.G.S. CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	76	71	Biscayne	10/19/1984
5927	25° 50'	80° 9'	60280	NORTH BAY VILLAGE JEWISH CENTER	FDEP	Class V Non-ASR	-	76	69	Biscayne	8/29/1977
5928	25° 47'	80° 8'	59786	SUNSET HARBOUR NORTH TOWER	FDEP	Class V Non-ASR	-	76	66	Biscayne	7/9/1996
5929	25° 46'	80° 8'	59896	FLORIDIAN OF MIAMI BEACH	FDEP	Class V Non-ASR	-	76	60	Biscayne	5/1/1997
5930	25° 46'	80° 8'	59896	FLORIDIAN OF MIAMI BEACH	FDEP	Class V Non-ASR	-	76	60	Biscayne	5/1/1997
5931	25° 45'	80° 17'	60619	STERLING, B. A.	FDEP	Class V Non-ASR	-	76	71	Biscayne	8/2/1984
5932	25° 41'	80° 9'	59857	OCEANA RESIDENCES AT KEY BISCAYNE	FDEP	Class V Non-ASR	-	76	50	Biscayne	10/9/2012
5933	25° 53'	80° 7'	59862	BAL HARBOUR VILLAGE	FDEP	Class V Non-ASR	-	76	29	Biscayne	9/13/1996
5934	25° 42'	80° 15'	61407	JOSEPH, SAM	FDEP	Class V Non-ASR	-	76	70	Biscayne	7/18/1984
5935	25° 47'	80° 8'	59950	PUBLIX STORE NUMBER 621	FDEP	Class V Non-ASR	-	76	64	Biscayne	1/5/1998
5936	25° 48'	80° 15'	61502	SIMKINS INDUSTRIES	FDEP	Class V Non-ASR	-	76	70	Biscayne	7/20/1984
5937	25° 46'	80° 11'	60002	FEDERAL EXPRESS DISTRIBUTION CTR	FDEP	Class V Non-ASR	-	76	47	Biscayne	10/1/1998
5938	25° 45'	80° 15'	62453	FLA HILL YORK CORPORORATION	FDEP	Class V Non-ASR	-	76	0	Biscayne	9/28/1984
5939	25° 53'	80° 9'	61702	RANCHER MOTEL, THE	FDEP	Class V Non-ASR	-	76	72	Biscayne	7/30/1984
5940	25° 41'	80° 9'	62508	FOOD FAIR STORES	FDEP	Class V Non-ASR	-	76	64	Biscayne	10/8/1984
5941	25° 43'	80° 15'	64260	MIAMI SHIP BUILDING CORPORATION	FDEP	Class V Non-ASR	-	76	64	Biscayne	10/23/1984
5942	25° 50'	80° 11'	65464	FDOT 87030-3581 NE77 ST - NE78 ST	FDEP	Class V Non-ASR	-	76	55	Biscayne	2/14/1996
5943	25° 47'	80° 14'	65484	FDOT - SR9/NORTHWEST 27TH AVENUE	FDEP	Class V Non-ASR	-	76	42	Biscayne	9/2/1994
5944	25° 46'	80° 7'	64113	NASH, M.	FDEP	Class V Non-ASR	-	76	70	Biscayne	10/9/1984
5945	25° 45'	80° 11'	84580	FOUR SEASONS HOTEL & TOWER	FDEP	Class V Non-ASR	-	76	37	Biscayne	12/7/1999
5946	25° 53'	80° 7'	84948	FDOT SR922/NE96 ST. & SR4A/COLLINS AVE.	FDEP	Class V Non-ASR	-	76	40	Biscayne	8/14/2001
5947	25° 47'	80° 8'	83446	THE GRAND FLAMINGO	FDEP	Class V Non-ASR	-	76	60	Biscayne	6/7/1999
5948	25° 45'	80° 11'	87631	BRICKELL BAY PLAZA	FDEP	Class V Non-ASR	-	76	41	Biscayne	9/10/2002
5949	25° 53'	80° 9'	89404	HOME DEPOT-BISCAYNE BLVD.	FDEP	Class V Non-ASR	-	76	50	Biscayne	2/5/2003
5950	25° 46'	80° 8'	93139	THE AIMEE APTS	FDEP	Class V Non-ASR	-	76	66	Biscayne	9/19/2005
5951	25° 46'	80° 8'	92410	CLARIS CONDOMINIUM	FDEP	Class V Non-ASR	-	76	65	Biscayne	5/26/2005
5952	25° 47'	80° 8'	91975	MONT CLAIR	FDEP	Class V Non-ASR	-	76	68	Biscayne	11/2/2004
5953	25° 45'	80° 11'	91510	MARY BRICKELL VILLAGE - EAST	FDEP	Class V Non-ASR	-	76	57	Biscayne	2/2/2004
5954	25° 46'	80° 8'	94160	THE ANGLERS RESORT	FDEP	Class V Non-ASR	-	76	62	Biscayne	7/19/2006
5955	25° 53'	80° 7'	102706	GRAND BEACH HOTEL	FDEP	Class V Non-ASR	-	76	66	Biscayne	3/10/2016
5956	25° 46'	80° 8'	102960	MICHIGAN HOTEL	FDEP	Class V Non-ASR	-	76	60	Biscayne	11/7/2016
5957	25° 47'	80° 9'	102733	SAN MARINO ISLAND	FDEP	Class V Non-ASR	-	76	60	Biscayne	3/16/2016
5958	25° 47'	80° 9'	102735	DILIDO ISLAND	FDEP	Class V Non-ASR	-	76	62	Biscayne	3/20/2016
5959	25° 47'	80° 9'	102735	DILIDO ISLAND	FDEP	Class V Non-ASR	-	76	63	Biscayne	3/23/2016
5960	25° 46'	80° 8'	101258	ONE OCEAN	FDEP	Class V Non-ASR	-	77	65	Biscayne	3/4/2014
5961	25° 46'	80° 8'	101393	TRG ALASKA III LLC MAREA	FDEP	Class V Non-ASR	-	77	61	Biscayne	9/18/2013
5962	25° 46'	80° 8'	102029	619 MERIDIAN AVE. LLC	FDEP	Class V Non-ASR	-	77	70	Biscayne	2/27/2015
5963	25° 52'	80° 8'	99417	BISCAYNE POINT NEIGHBORHOOD	FDEP	Class V Non-ASR	-	77	60	Biscayne	12/27/2012
5964	25° 51'	80° 7'	99417	BISCAYNE POINT NEIGHBORHOOD	FDEP	Class V Non-ASR	-	77	59	Biscayne	10/26/2012
5965	25° 51'	80° 7'	99417	BISCAYNE POINT NEIGHBORHOOD	FDEP	Class V Non-ASR	-	77	59	Biscayne	10/26/2012

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
5966	25° 52'	80° 7'	99417	BISCAYNE POINT NEIGHBORHOOD	FDEP	Class V Non-ASR	-	77	60	Biscayne	3/27/2013
5967	25° 52'	80° 7'	99417	BISCAYNE POINT NEIGHBORHOOD	FDEP	Class V Non-ASR	-	77	60	Biscayne	4/3/2013
5968	25° 52'	80° 7'	99417	BISCAYNE POINT NEIGHBORHOOD	FDEP	Class V Non-ASR	-	77	60	Biscayne	7/2/2013
5969	25° 52'	80° 7'	99417	BISCAYNE POINT NEIGHBORHOOD	FDEP	Class V Non-ASR	-	77	60	Biscayne	7/9/2013
5970	25° 46'	80° 13'	57041	CITY OF MIAMI P/R/W - PROJECT B-4536	FDEP	Class V Non-ASR	-	77	60	Biscayne	2/25/1992
5971	25° 46'	80° 13'	57041	CITY OF MIAMI P/R/W - PROJECT B-4536	FDEP	Class V Non-ASR	-	77	60	Biscayne	2/25/1992
5972	25° 47'	80° 8'	57108	SUNSET HARBOUR DRIVE ROAD IMPROVEMENTS	FDEP	Class V Non-ASR	-	77	63	Biscayne	7/9/1996
5973	25° 45'	80° 11'	57068	S.E 15 ROAD STORM SEWER RELOCATION	FDEP	Class V Non-ASR	-	77	40	Biscayne	11/16/1993
5974	25° 47'	80° 7'	57090	LINCOLN DISTRICT IMPROVEMENTS	FDEP	Class V Non-ASR	-	77	50	Biscayne	10/2/1995
5975	25° 53'	80° 9'	59278	JOHNSON & WALES UNIVERSITY N.M. CAMP	FDEP	Class V Non-ASR	-	77	62	Biscayne	8/2/1993
5976	25° 46'	80° 8'	59654	THE COURTS AT SOUTH BEACH	FDEP	Class V Non-ASR	-	77	54	Biscayne	9/2/1995
5977	25° 53'	80° 7'	59703	BAY HARBOR ELEMENTARY	FDEP	Class V Non-ASR	-	77	53	Biscayne	8/19/1996
5978	25° 53'	80° 7'	59703	BAY HARBOR ELEMENTARY	FDEP	Class V Non-ASR	-	77	48	Biscayne	8/19/1996
5979	25° 42'	80° 16'	61328	EDWARDS GREEN, INC.	FDEP	Class V Non-ASR	-	77	70	Biscayne	9/11/1984
5980	25° 47'	80° 8'	59834	BAYVIEW PLAZA CONDOMONIUM	FDEP	Class V Non-ASR	-	77	59	Biscayne	7/9/1996
5981	25° 47'	80° 8'	59950	PUBLIX STORE NUMBER 621	FDEP	Class V Non-ASR	-	77	57	Biscayne	1/5/1998
5982	25° 50'	80° 8'	59957	TREASURE ISLAND ELEMENTARY	FDEP	Class V Non-ASR	-	77	57	Biscayne	9/19/1997
5983	25° 46'	80° 7'	59958	TIFFANY HOTEL	FDEP	Class V Non-ASR	-	77	48	Biscayne	10/24/1997
5984	25° 46'	80° 8'	59964	GUMNICK BLDG. PARKING LOT	FDEP	Class V Non-ASR	-	77	58	Biscayne	10/17/1997
5985	25° 46'	80° 8'	59964	GUMNICK BLDG. PARKING LOT	FDEP	Class V Non-ASR	-	77	60	Biscayne	10/6/1997
5986	25° 46'	80° 11'	60002	FEDERAL EXPRESS DISTRIBUTION CTR	FDEP	Class V Non-ASR	-	77	50	Biscayne	10/12/1998
5987	25° 48'	80° 13'	61542	WECHTER, SOL	FDEP	Class V Non-ASR	-	77	70	Biscayne	7/20/1984
5988	25° 47'	80° 7'	60178	100 LINCOLN ROAD COMPANY	FDEP	Class V Non-ASR	-	77	64	Biscayne	10/23/1981
5989	25° 51'	80° 14'	64177	CANONICO, MARY	FDEP	Class V Non-ASR	-	77	67	Biscayne	10/12/1984
5990	25° 45'	80° 12'	63505	MILLER, I. H.	FDEP	Class V Non-ASR	-	77	74	Biscayne	7/9/1984
5991	25° 47'	80° 12'	62859	RICHARDSON, R. R.	FDEP	Class V Non-ASR	-	77	71	Biscayne	11/13/1984
5992	25° 50'	80° 11'	63857	KEN-LIN MOTEL	FDEP	Class V Non-ASR	-	77	66	Biscayne	9/5/1984
5993	25° 48'	80° 11'	63948	LARAMORE NEESE, INC.	FDEP	Class V Non-ASR	-	77	72	Biscayne	8/8/2007
5994	25° 46'	80° 12'	63961	MILLER, LEE	FDEP	Class V Non-ASR	-	77	71	Biscayne	9/25/1984
5995	25° 48'	80° 8'	65470	FDOT-SUNSET DRIVE BRIDGE REPLACEM.	FDEP	Class V Non-ASR	-	77	63	Biscayne	10/18/1995
5996	25° 47'	80° 14'	65477	FDOT SR9/NORTHWEST 27 AVENUE	FDEP	Class V Non-ASR	-	77	42	Biscayne	3/11/1994
5997	25° 46'	80° 8'	86666	SOUTH POINTE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	77	61	Biscayne	8/9/2002
5998	25° 53'	80° 9'	89404	HOME DEPOT-BISCAYNE BLVD.	FDEP	Class V Non-ASR	-	77	50	Biscayne	1/16/2003
5999	25° 46'	80° 7'	88798	CLINTON HOTEL	FDEP	Class V Non-ASR	-	77	37	Biscayne	7/31/2002
6000	25° 53'	80° 7'	89978	LE NAUTIQUE AT HAULOVER INLET	FDEP	Class V Non-ASR	-	77	55	Biscayne	9/17/2002
6001	25° 46'	80° 11'	90875	STORM SEWER IMPROVEMENTS-DOWNTOWN, B-4662	FDEP	Class V Non-ASR	-	77	55	Biscayne	7/12/2003
6002	25° 46'	80° 8'	90979	MIRADOR MIXED USE GARAGE	FDEP	Class V Non-ASR	-	77	49	Biscayne	5/6/2003
6003	25° 51'	80° 9'	92633	360 CONDOMINIUM PHASE 1 & 2	FDEP	Class V Non-ASR	-	77	66	Biscayne	1/25/2005
6004	25° 46'	80° 7'	94907	LUMMUS NEIGHBORHOOD DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	77	60	Biscayne	1/18/2008
6005	25° 46'	80° 7'	94907	LUMMUS NEIGHBORHOOD DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	77	61	Biscayne	1/14/2008
6006	25° 46'	80° 7'	95350	FAIRWIND HOTEL	FDEP	Class V Non-ASR	-	77	61	Biscayne	9/22/2008
6007	25° 48'	80° 8'	102544	LOWER NORTH BAY ROAD INFRASTRUCTURE IMPROVEMENTS	FDEP	Class V Non-ASR	-	77	60	Biscayne	9/14/2015
6008	25° 48'	80° 8'	102544	LOWER NORTH BAY ROAD INFRASTRUCTURE IMPROVEMENTS	FDEP	Class V Non-ASR	-	77	60	Biscayne	9/21/2015
6009	25° 46'	80° 8'	105098	EUCLID	FDEP	Class V Non-ASR	-	77	57	Biscayne	5/19/2018
6010	25° 46'	80° 8'	101393	TRG ALASKA III LLC MAREA	FDEP	Class V Non-ASR	-	78	68	Biscayne	8/1/2014
6011	25° 51'	80° 7'	91127	VILAMUR	FDEP	Class V Non-ASR	-	78	60	Biscayne	8/4/2003
6012	25° 46'	80° 8'	58223	SOUTH POINTE ELEMENTARY	FDEP	Class V Non-ASR	-	78	67	Biscayne	8/28/1990
6013	25° 46'	80° 13'	57041	CITY OF MIAMI P/R/W - PROJECT B-4536	FDEP	Class V Non-ASR	-	78	63	Biscayne	2/25/1992
6014	25° 47'	80° 8'	57108	SUNSET HARBOUR DRIVE ROAD IMPROVEMENTS	FDEP	Class V Non-ASR	-	78	67	Biscayne	8/19/1996
6015	25° 47'	80° 8'	57108	SUNSET HARBOUR DRIVE ROAD IMPROVEMENTS	FDEP	Class V Non-ASR	-	78	67	Biscayne	9/18/2012
6016	25° 45'	80° 11'	59218	COMMODORE BAY CONDOMINIUM	FDEP	Class V Non-ASR	-	78	47	Biscayne	7/26/1993
6017	25° 45'	80° 11'	57068	S.E 15 ROAD STORM SEWER RELOCATION	FDEP	Class V Non-ASR	-	78	40	Biscayne	11/16/1993
6018	25° 45'	80° 11'	57068	S.E 15 ROAD STORM SEWER RELOCATION	FDEP	Class V Non-ASR	-	78	40	Biscayne	11/16/1993
6019	25° 45'	80° 11'	57068	S.E 15 ROAD STORM SEWER RELOCATION	FDEP	Class V Non-ASR	-	78	40	Biscayne	11/16/1993
6020	25° 45'	80° 11'	57068	S.E 15 ROAD STORM SEWER RELOCATION	FDEP	Class V Non-ASR	-	78	40	Biscayne	11/16/1993
6021	25° 47'	80° 8'	57090	LINCOLN DISTRICT IMPROVEMENTS	FDEP	Class V Non-ASR	-	78	50	Biscayne	10/2/1995
6022	25° 47'	80° 8'	59445	BARNETT BANK-ALTON ROAD	FDEP	Class V Non-ASR	-	78	62	Biscayne	6/8/1994
6023	25° 49'	80° 15'	60967	SCHMULTER, CLARENCE	FDEP	Class V Non-ASR	-	78	70	Biscayne	8/23/1984
6024	25° 45'	80° 13'	62571	AUGUST, FRED	FDEP	Class V Non-ASR	-	78	74	Biscayne	10/16/1984
6025	25° 53'	80° 7'	61318	EDISON HOTEL	FDEP	Class V Non-ASR	-	78	65	Biscayne	9/10/1984
6026	25° 46'	80° 13'	62139	GRAVES CONSTRUCTION CO., INC.	FDEP	Class V Non-ASR	-	78	74	Biscayne	9/19/1984
6027	25° 47'	80° 8'	59834	BAYVIEW PLAZA CONDOMONIUM	FDEP	Class V Non-ASR	-	78	63	Biscayne	7/9/1996
6028	25° 46'	80° 7'	59951	BENTLEY HOTEL	FDEP	Class V Non-ASR	-	78	52	Biscayne	7/13/1997
6029	25° 46'	80° 8'	59980	ARMITAGE PLACE	FDEP	Class V Non-ASR	-	78	50	Biscayne	1/27/1998
6030	25° 46'	80° 12'	60759	BOUNDER'S INVESTORS	FDEP	Class V Non-ASR	-	78	70	Biscayne	8/15/1984
6031	25° 46'	80° 7'	60030	200 OCEAN DRIVE CONDOMINIUM	FDEP	Class V Non-ASR	-	78	56	Biscayne	3/30/1999
6032	25° 45'	80° 11'	60033	BARCLAYS FINANCIAL CENTER	FDEP	Class V Non-ASR	-	78	39	Biscayne	3/16/1999
6033	25° 45'	80° 17'	62452	FLA HILL YORK CORPORATION	FDEP	Class V Non-ASR	-	78	0	Biscayne	9/28/1984
6034	25° 45'	80° 8'	60139	ISLAND DEVELOPERS LTD. WATER SHED B	FDEP	Class V Non-ASR	-	78	57	Biscayne	2/3/1982
6035	25° 45'	80° 14'	64241	MIAMI BOWLERS, INC.	FDEP	Class V Non-ASR	-	78	74	Biscayne	10/22/1984
6036	25° 47'	80° 12'	64307	STEINHARDT, MILTON	FDEP	Class V Non-ASR	-	78	66	Biscayne	10/24/1984
6037	25° 51'	80° 12'	62937	NATIONAL FREEZERS	FDEP	Class V Non-ASR	-	78	67	Biscayne	11/20/1984
6038	25° 47'	80° 8'	65354	HOME SAVINGS OF AMERICA-ALTON ROAD	FDEP	Class V Non-ASR	-	78	72	Biscayne	11/14/1986
6039	25° 43'	80° 19'	63940	LAKEVIEW APARTMENTS	FDEP	Class V Non-ASR	-	78	76	Biscayne	9/25/1984
6040	25° 54'	80° 7'	94909	HAULOVER MARINA	FDEP	Class V Non-ASR	-	78	50	Biscayne	8/14/2009
6041	25° 41'	80° 9'	84672	RITZ-CARLTON RESORT, KEY BISCAYNE	FDEP	Class V Non-ASR	-	78	60	Biscayne	1/25/2000
6042	25° 47'	80° 8'	83446	THE GRAND FLAMINGO	FDEP	Class V Non-ASR	-	78	59	Biscayne	7/16/1999
6043	25° 46'	80° 8'	86621	TOWER GATE OF SOUTH BEACH	FDEP	Class V Non-ASR	-	78	43	Biscayne	10/29/2000
6044	25° 46'	80° 8'	85556	MURANO AT PORTOFINO	FDEP	Class V Non-ASR	-	78	60	Biscayne	6/13/2000
6045	25° 46'	80° 12'	90115	RAYOS DEL SOL	FDEP	Class V Non-ASR	-	78	58	Biscayne	1/27/2003
6046	25° 46'	80° 7'	92996	THE SUITES AT PARK CENTRAL FKA 620 MXE	FDEP	Class V Non-ASR	-	78	63	Biscayne	4/14/2006
6047	25° 46'	80° 11'	91672	BRICKLE ON THE RIVER	FDEP	Class V Non-ASR	-	78	60	Biscayne	2/25/2004
6048	25° 52'	80° 10'	91178	K-MART # 4295	FDEP	Class V Non-ASR	-	78	60	Biscayne	8/1/2003
6049	25° 47'	80° 8'	91297	2001 MERIDIAN CONDOMINUM	FDEP	Class V Non-ASR	-	78	49	Biscayne	1/29/2004
6050	25° 52'	80° 8'	92151	EZRATTI RESIDENCE	FDEP	Class V Non-ASR	-	78	55	Biscayne	7/19/2004
6051	25° 45'	80° 11'	91510	MARY BRICKELL VILLAGE - EAST	FDEP	Class V Non-ASR	-	78	57	Biscayne	1/23/2004
6052	25° 47'	80° 7'	94655	WASHINGTON AVE & 16TH ST DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	78	68	Biscayne	5/14/2007
6053	25° 47'	80° 7'	94655	WASHINGTON AVE & 16TH ST DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	78	67	Biscayne	5/21/2007
6054	25° 49'	80° 7'	94237	FELTENSTEIN RESIDENCE	FDEP	Class V Non-ASR	-	78	55	Biscayne	10/20/2006

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
6055	25° 46'	80° 8'	102643	LOUVER HOUSE	FDEP	Class V Non-ASR	-	78	60	Biscayne	12/23/2015
6056	25° 47'	80° 7'	102632	THE CARLTON SOUTH BEACH HOTEL	FDEP	Class V Non-ASR	-	78	66	Biscayne	1/28/2015
6057	25° 47'	80° 7'	106088	SADIGO COURT HOTEL	FDEP	Class V Non-ASR	-	78	100	Biscayne	10/21/2019
6058	25° 47'	80° 8'	102544	LOWER NORTH BAY ROAD INFRASTRUCTURE IMPROVEMENTS	FDEP	Class V Non-ASR	-	78	67	Biscayne	9/5/2015
6059	25° 46'	80° 8'	102620	635-643 JEFFERSON AVE.	FDEP	Class V Non-ASR	-	78	60	Biscayne	1/23/2016
6060	25° 46'	80° 8'	102960	MICHIGAN HOTEL	FDEP	Class V Non-ASR	-	78	62	Biscayne	11/2/2016
6061	25° 47'	80° 8'	103213	MONAD TERRACE	FDEP	Class V Non-ASR	-	78	56	Biscayne	9/25/2017
6062	25° 46'	80° 8'	101393	TRG ALASKA III LLC MAREA	FDEP	Class V Non-ASR	-	79	64	Biscayne	11/11/2013
6063	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	79	64	Biscayne	8/12/2014
6064	25° 48'	80° 8'	56560	NAUTILUS MIDDLE SCHOOL	FDEP	Class V Non-ASR	-	79	58	Biscayne	5/5/1995
6065	25° 40'	80° 16'	58352	SHERRY RESIDENCE	FDEP	Class V Non-ASR	-	79	67	Biscayne	11/13/1990
6066	25° 46'	80° 8'	59872	EL CYCLONE	FDEP	Class V Non-ASR	-	79	50	Biscayne	9/12/1996
6067	25° 45'	80° 12'	61404	HAMILTON, SAM	FDEP	Class V Non-ASR	-	79	0	Biscayne	7/18/1984
6068	25° 47'	80° 8'	59927	THE VISTAS	FDEP	Class V Non-ASR	-	79	54	Biscayne	2/13/1997
6069	25° 52'	80° 10'	59960	NE 103 STREET (MIAMI SHORES VILLAGE)	FDEP	Class V Non-ASR	-	79	58	Biscayne	10/29/1997
6070	25° 47'	80° 8'	60098	CHASE FEDERAL SAVINGS & LOAN	FDEP	Class V Non-ASR	-	79	70	Biscayne	12/28/1984
6071	25° 45'	80° 8'	60140	ISLAND DEVELOPERS LTD. WATER SHED A	FDEP	Class V Non-ASR	-	79	67	Biscayne	2/2/1982
6072	25° 47'	80° 7'	62478	FLORIDA POWER & LIGHT	FDEP	Class V Non-ASR	-	79	75	Biscayne	10/4/1984
6073	25° 47'	80° 7'	60178	100 LINCOLN ROAD COMPANY	FDEP	Class V Non-ASR	-	79	64	Biscayne	11/4/1981
6074	25° 44'	80° 13'	64453	MCCREA, W. S.	FDEP	Class V Non-ASR	-	79	75	Biscayne	10/31/1984
6075	25° 46'	80° 11'	65322	BAYFRONT PARK REDEVELOPMENT - PH-11	FDEP	Class V Non-ASR	-	79	51	Biscayne	3/26/1986
6076	25° 46'	80° 11'	65322	BAYFRONT PARK REDEVELOPMENT - PH-11	FDEP	Class V Non-ASR	-	79	54	Biscayne	4/2/1986
6077	25° 50'	80° 14'	63106	ROWLAND TRUCK EQUIPMENT	FDEP	Class V Non-ASR	-	79	74	Biscayne	11/29/1984
6078	25° 47'	80° 10'	65512	WATSON ISLAND ACCESS ROAD	FDEP	Class V Non-ASR	-	79	51	Biscayne	9/24/1998
6079	25° 46'	80° 9'	87814	ESTEFAN RESIDENCE	FDEP	Class V Non-ASR	-	79	51	Biscayne	8/7/2001
6080	25° 47'	80° 8'	86439	GRAND VENETIAN CONDOMINIUM	FDEP	Class V Non-ASR	-	79	61	Biscayne	4/11/2001
6081	25° 47'	80° 8'	86523	THE LOFTS AT SOUTH BEACH	FDEP	Class V Non-ASR	-	79	57	Biscayne	10/9/2000
6082	25° 51'	80° 7'	90497	MARSEILLE DRIVE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	79	40	Biscayne	2/7/2003
6083	25° 45'	80° 11'	92544	SOLARIS	FDEP	Class V Non-ASR	-	79	54	Biscayne	2/17/2005
6084	25° 52'	80° 8'	91181	SOFFER RESIDENCE	FDEP	Class V Non-ASR	-	79	54	Biscayne	7/29/2003
6085	25° 47'	80° 7'	94907	LUMMUS NEIGHBORHOOD DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	79	60	Biscayne	12/12/2007
6086	25° 53'	80° 7'	103084	BIJOU BAY HARBOR	FDEP	Class V Non-ASR	-	79	60	Biscayne	6/1/2018
6087	25° 47'	80° 7'	98640	2200 COLLINS AVENUE	FDEP	Class V Non-ASR	-	80	68	Biscayne	1/8/2010
6088	25° 47'	80° 8'	99646	URIEL LABER	FDEP	Class V Non-ASR	-	80	66	Biscayne	8/15/2011
6089	25° 47'	80° 8'	102100	530 LINCOLN ROAD	FDEP	Class V Non-ASR	-	80	65	Biscayne	2/23/2015
6090	25° 46'	80° 8'	101258	ONE OCEAN	FDEP	Class V Non-ASR	-	80	64	Biscayne	9/12/2013
6091	25° 46'	80° 8'	99523	CITY OF MIAMI BEACH, POLICE STATION	FDEP	Class V Non-ASR	-	80	60	Biscayne	6/1/2011
6092	25° 46'	80° 8'	99523	CITY OF MIAMI BEACH, POLICE STATION	FDEP	Class V Non-ASR	-	80	60	Biscayne	6/1/2011
6093	25° 47'	80° 7'	101996	HADDON HALL HOTEL	FDEP	Class V Non-ASR	-	80	61	Biscayne	12/5/2014
6094	25° 47'	80° 8'	99124	700 LINCOLN	FDEP	Class V Non-ASR	-	80	68	Biscayne	6/8/2011
6095	25° 45'	80° 8'	102084	CENTRAL DISTRICT WWTP	FDEP	Class V Non-ASR	-	80	56	Biscayne	9/26/2014
6096	25° 46'	80° 8'	101500	35 STAR ISLAND	FDEP	Class V Non-ASR	-	80	56	Biscayne	1/21/2014
6097	25° 40'	80° 10'	101423	500 MASHTA DRIVE	FDEP	Class V Non-ASR	-	80	57	Biscayne	9/5/2013
6098	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	80	64	Biscayne	8/12/2014
6099	25° 46'	80° 9'	99262	GARDEN ISLANDS INTERNATIONAL	FDEP	Class V Non-ASR	-	80	68	Biscayne	2/22/2011
6100	25° 47'	80° 7'	98731	1826 COLLINS	FDEP	Class V Non-ASR	-	80	68	Biscayne	6/1/2011
6101	25° 52'	80° 8'	99417	BISCAYNE POINT NEIGHBORHOOD	FDEP	Class V Non-ASR	-	80	67	Biscayne	12/27/2012
6102	25° 52'	80° 8'	99417	BISCAYNE POINT NEIGHBORHOOD	FDEP	Class V Non-ASR	-	80	67	Biscayne	12/27/2012
6103	25° 52'	80° 8'	99417	BISCAYNE POINT NEIGHBORHOOD	FDEP	Class V Non-ASR	-	80	63	Biscayne	12/27/2012
6104	25° 51'	80° 8'	99417	BISCAYNE POINT NEIGHBORHOOD	FDEP	Class V Non-ASR	-	80	60	Biscayne	10/26/2012
6105	25° 52'	80° 7'	99417	BISCAYNE POINT NEIGHBORHOOD	FDEP	Class V Non-ASR	-	80	60	Biscayne	4/2/2013
6106	25° 52'	80° 7'	99417	BISCAYNE POINT NEIGHBORHOOD	FDEP	Class V Non-ASR	-	80	60	Biscayne	4/4/2013
6107	25° 46'	80° 8'	99456	HOUSING AUTHORITY OF THE CITY OF MIAMI BEACH	FDEP	Class V Non-ASR	-	80	60	Biscayne	1/31/2014
6108	25° 44'	80° 9'	56810	CENTRAL DISTRICT WWTP (MDW&SD-CD WWTP)	FDEP	Class V Non-ASR	-	80	55	Biscayne	6/2/1998
6109	25° 44	80° 9'	56810	CENTRAL DISTRICT WWTP (MDW&SD-CD WWTP)	FDEP	Class V Non-ASR	-	80	60	Biscayne	6/5/1998
6110	25° 45'	80° 12'	56835	RICKENBACKER CAUSEWAY IMPROVEMENTS	FDEP	Class V Non-ASR	-	80	70	Biscayne	9/7/1984
6111	25° 46'	80° 10'	59541	RCI INNOVATION LAB - ROYAL CARIBBEAN	FDEP	Class V Non-ASR	-	80	71	Biscayne	12/16/2019
6112	25° 46'	80° 7'	57109	CITY OF MIAMI BEACH - WASH. AVE.	FDEP	Class V Non-ASR	-	80	60	Biscayne	6/30/1997
6113	25° 51'	80° 7'	57082	S.E.NORMANDY ISLES IMPROVEMENTS	FDEP	Class V Non-ASR	-	80	49	Biscayne	6/23/1995
6114	25° 51'	80° 7'	57082	S.E.NORMANDY ISLES IMPROVEMENTS	FDEP	Class V Non-ASR	-	80	52	Biscayne	6/23/1995
6115	25° 47'	80° 8'	57090	LINCOLN DISTRICT IMPROVEMENTS	FDEP	Class V Non-ASR	-	80	50	Biscayne	10/2/1995
6116	25° 41'	80° 9'	58552	KEY BISCAYNE HOTEL AND VILLAS	FDEP	Class V Non-ASR	-	80	33	Biscayne	4/26/1991
6117	25° 41'	80° 9'	58552	KEY BISCAYNE HOTEL AND VILLAS	FDEP	Class V Non-ASR	-	80	34	Biscayne	5/1/1991
6118	25° 45'	80° 11'	59469	SANTA MARIA	FDEP	Class V Non-ASR	-	80	50	Biscayne	1/24/1995
6119	25° 45'	80° 8'	57365	COMMERCIAL CENTER C-2	FDEP	Class V Non-ASR	-	80	70	Biscayne	9/2/1987
6120	25° 45'	80° 8'	57365	COMMERCIAL CENTER C-2	FDEP	Class V Non-ASR	-	80	70	Biscayne	9/2/1987
6121	25° 49'	80° 13'	61720	TINY'S LIQUOR STORE	FDEP	Class V Non-ASR	-	80	80	Biscayne	7/30/1984
6122	25° 52'	80° 11'	61733	TOWN AND COUTNRY MOTEL	FDEP	Class V Non-ASR	-	80	0	Biscayne	7/31/1984
6123	25° 49'	80° 7'	62554	MCKAY,FRANK	FDEP	Class V Non-ASR	-	80	0	Biscayne	10/16/1984
6124	25° 50'	80° 15'	62557	CERAVOLO, FRANK O.	FDEP	Class V Non-ASR	-	80	75	Biscayne	10/16/1984
6125	25° 44'	80° 13'	60203	1690 SOUTH BAYSHORE LANE (GROVE HARBOR CONDO)	FDEP	Class V Non-ASR	-	80	70	Biscayne	2/18/1982
6126	25° 53'	80° 9'	61769	TWIN MANOR APARTMENTS	FDEP	Class V Non-ASR	-	80	66	Biscayne	7/31/1984
6127	25° 52'	80° 10'	62576	COLLINS, FRED	FDEP	Class V Non-ASR	-	80	70	Biscayne	10/18/1984
6128	25° 47'	80° 13'	61831	PALOZZOLA, VINCENT	FDEP	Class V Non-ASR	-	80	0	Biscayne	8/3/1984
6129	25° 53'	80° 7'	60303	KENILWORTH HOUSE, INC.	FDEP	Class V Non-ASR	-	80	67	Biscayne	4/5/1984
6130	25° 46'	80° 11'	61089	DADE COUNTY BAR ASSOCIATION	FDEP	Class V Non-ASR	-	80	70	Biscayne	8/30/1984
6131	25° 47'	80° 12'	61860	MARSHALL, W.M.	FDEP	Class V Non-ASR	-	80	47	Biscayne	8/7/1984
6132	25° 51'	80° 11'	60404	ROSENBERG, A.	FDEP	Class V Non-ASR	-	80	80	Biscayne	7/12/1984
6133	25° 52'	80° 9'	60459	KAHN, ALAN	FDEP	Class V Non-ASR	-	80	0	Biscayne	7/25/1984
6134	25° 43'	80° 15'	61224	NEILL, DR. C. H.	FDEP	Class V Non-ASR	-	80	0	Biscayne	9/19/1984
6135	25° 43'	80° 14'	61242	ROBERTSON, DR. JAMES G.	FDEP	Class V Non-ASR	-	80	75	Biscayne	9/6/1984
6136	25° 41'	80° 10'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	80	60	Biscayne	4/18/1996
6137	25° 41'	80° 10'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	80	60	Biscayne	4/18/1996
6138	25° 41'	80° 10'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	80	60	Biscayne	4/18/1996
6139	25° 41'	80° 10'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	80	60	Biscayne	4/18/1996
6140	25° 41'	80° 10'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	80	60	Biscayne	4/18/1996
6141	25° 41'	80° 10'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	80	60	Biscayne	4/18/1996
6142	25° 41'	80° 10'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	80	59	Biscayne	4/18/1996
6143	25° 41'	80° 10'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	80	58	Biscayne	4/18/1996

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
6144	25° 41'	80° 10'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	80	60	Biscayne	4/18/1996
6145	25° 41'	80° 10'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	80	40	Biscayne	4/18/1996
6146	25° 47'	80° 8'	59786	SUNSET HARBOUR NORTH TOWER	FDEP	Class V Non-ASR	-	80	65	Biscayne	7/9/1996
6147	25° 46'	80° 13'	61301	E-Z HOME LAUNDERETTE	FDEP	Class V Non-ASR	-	80	0	Biscayne	9/18/1984
6148	25° 49'	80° 14'	61310	EASTERN STAR CHAPEL	FDEP	Class V Non-ASR	-	80	70	Biscayne	9/18/1984
6149	25° 43'	80° 16'	62125	HIRSCH, GEORGE W.	FDEP	Class V Non-ASR	-	80	0	Biscayne	9/19/1984
6150	25° 47'	80° 15'	60674	GAINES, BEN B.	FDEP	Class V Non-ASR	-	80	0	Biscayne	8/7/1984
6151	25° 44'	80° 15'	61405	JOSEPH, SAM	FDEP	Class V Non-ASR	-	80	0	Biscayne	7/18/1984
6152	25° 47'	80° 8'	59922	EPICURE MARKET	FDEP	Class V Non-ASR	-	80	60	Biscayne	5/1/1997
6153	25° 45'	80° 11'	59931	BRICKELL BAYFRONT CLUB	FDEP	Class V Non-ASR	-	80	36	Biscayne	9/30/1997
6154	25° 45'	80° 11'	59944	THE YACHT CLUB AT BRICKELL	FDEP	Class V Non-ASR	-	80	40	Biscayne	7/10/1997
6155	25° 53'	80° 7'	59954	TOWNHOUSES OF BAY HARBOR	FDEP	Class V Non-ASR	-	80	60	Biscayne	11/16/1997
6156	25° 46'	80° 8'	59961	YACHT CLUB AT PORTOFINO	FDEP	Class V Non-ASR	-	80	60	Biscayne	1/26/1999
6157	25° 46'	80° 8'	59961	YACHT CLUB AT PORTOFINO	FDEP	Class V Non-ASR	-	80	60	Biscayne	12/5/1997
6158	25° 46'	80° 8'	59961	YACHT CLUB AT PORTOFINO	FDEP	Class V Non-ASR	-	80	60	Biscayne	12/2/1997
6159	25° 48'	80° 7'	60720	SWANSON, BETILDA	FDEP	Class V Non-ASR	-	80	0	Biscayne	8/8/1984
6160	25° 46'	80° 11'	60725	BIG DAN CORPORATION	FDEP	Class V Non-ASR	-	80	77	Biscayne	8/8/1984
6161	25° 49'	80° 11'	60751	BOULEVARD DRUG COMPANY	FDEP	Class V Non-ASR	-	80	0	Biscayne	8/10/1984
6162	25° 43'	80° 15'	61551	SOUNDLAB, INC.	FDEP	Class V Non-ASR	-	80	0	Biscayne	7/20/1984
6163	25° 41'	80° 18'	60097	CHASE FEDERAL SAVINGS & LOAN ASSOC.	FDEP	Class V Non-ASR	-	80	60	Biscayne	1/9/1985
6164	25° 54'	80° 9'	61588	STANDARD INVEST. MFG. CO.	FDEP	Class V Non-ASR	-	80	70	Biscayne	7/23/1984
6165	25° 46'	80° 10'	60019	(PORT OF MIAMI) TERMINAL 3,4,5 PARKING GARAGE	FDEP	Class V Non-ASR	-	80	60	Biscayne	5/3/1999
6166	25° 46'	80° 10'	60019	(PORT OF MIAMI) TERMINAL 3,4,5 PARKING GARAGE	FDEP	Class V Non-ASR	-	80	53	Biscayne	5/3/1999
6167	25° 41'	80° 9'	60021	GRAND BAY TOWER	FDEP	Class V Non-ASR	-	80	55	Biscayne	7/22/1999
6168	25° 47'	80° 13'	62456	FLA. NURSING HOME, INC.	FDEP	Class V Non-ASR	-	80	74	Biscayne	9/28/1984
6169	25° 45'	80° 8'	60114	FISHER ISLAND DEVELOPMENT	FDEP	Class V Non-ASR	-	80	62	Biscayne	2/26/1984
6170	25° 46'	80° 12'	60898	WALDER, CHARLES	FDEP	Class V Non-ASR	-	80	0	Biscayne	8/20/1984
6171	25° 51'	80° 17'	60933	CITY OF HIALEAH	FDEP	Class V Non-ASR	-	80	80	Biscayne	8/21/1984
6172	25° 45'	80° 15'	62501	FLY-INN,INC.	FDEP	Class V Non-ASR	-	80	70	Biscayne	10/8/1984
6173	25° 43'	80° 14'	62510	FOOD FAIR STORES FLORIDA	FDEP	Class V Non-ASR	-	80	72	Biscayne	10/11/1984
6174	25° 47'	80° 7'	60181	WHITEHOUSE HOTEL	FDEP	Class V Non-ASR	-	80	70	Biscayne	10/30/1982
6175	25° 47'	80° 14'	63355	WILDWOOD RIVER VILLAS CONDOS.	FDEP	Class V Non-ASR	-	80	0	Biscayne	1/15/1985
6176	25° 44'	80° 13'	63385	KINDLER HELEN	FDEP	Class V Non-ASR	-	80	70	Biscayne	7/5/1984
6177	25° 44'	80° 13'	63416	MAUGET HERBERT	FDEP	Class V Non-ASR	-	80	0	Biscayne	7/6/1984
6178	25° 49'	80° 12'	64224	MER. & TRADERS REALTY COMPANY	FDEP	Class V Non-ASR	-	80	76	Biscayne	10/18/1984
6179	25° 45'	80° 17'	64226	MERCHANTS BANK OF MIA.	FDEP	Class V Non-ASR	-	80	72	Biscayne	10/22/1984
6180	25° 43'	80° 14'	64230	MERLIE PROD. CORP.	FDEP	Class V Non-ASR	-	80	0	Biscayne	10/22/1984
6181	25° 53'	80° 10'	64233	MEYERSON MANOR APARTMENTS	FDEP	Class V Non-ASR	-	80	80	Biscayne	10/22/1984
6182	25° 46'	80° 12'	63450	HILL YORK CORPORATION	FDEP	Class V Non-ASR	-	80	67	Biscayne	7/6/1984
6183	25° 50'	80° 12'	63472	HOUSE BEAUTIFUL FURNITURE	FDEP	Class V Non-ASR	-	80	76	Biscayne	7/6/1984
6184	25° 46'	80° 11'	64254	MIA. MEAT MARKET	FDEP	Class V Non-ASR	-	80	0	Biscayne	10/22/1984
6185	25° 47'	80° 13'	64255	MIAMI MEDICAL CENTER	FDEP	Class V Non-ASR	-	80	72	Biscayne	10/22/1984
6186	25° 52'	80° 10'	64279	MIAMI MILITARY ACADEMY	FDEP	Class V Non-ASR	-	80	80	Biscayne	10/23/1984
6187	25° 45'	80° 12'	62693	OWNER UNKNOWN	FDEP	Class V Non-ASR	-	80	0	Biscayne	10/16/1984
6188	25° 44'	80° 17'	64320	MODERN PHARMACY	FDEP	Class V Non-ASR	-	80	0	Biscayne	10/24/1984
6189	25° 45'	80° 15'	62725	PARKER ART PRINTING	FDEP	Class V Non-ASR	-	80	0	Biscayne	10/19/1984
6190	25° 46'	80° 11'	63597	BROWN, J. R.	FDEP	Class V Non-ASR	-	80	0	Biscayne	7/12/1984
6191	25° 44'	80° 16'	63622	HOUSTON, JACK	FDEP	Class V Non-ASR	-	80	80	Biscayne	7/13/1984
6192	25° 42'	80° 15'	64450	MCNAUGHTON, MRS. R.	FDEP	Class V Non-ASR	-	80	77	Biscayne	10/31/1984
6193	25° 45'	80° 12'	62841	R. C. FORSBLADE	FDEP	Class V Non-ASR	-	80	0	Biscayne	11/6/1984
6194	25° 49'	80° 16'	62846	EDWARDS, R. E.	FDEP	Class V Non-ASR	-	80	0	Biscayne	11/13/1984
6195	25° 43'	80° 15'	62868	ASHE, R. W.	FDEP	Class V Non-ASR	-	80	70	Biscayne	11/13/1984
6196	25° 43'	80° 14'	63673	ROBERTSON, JAMES G.	FDEP	Class V Non-ASR	-	80	75	Biscayne	7/19/1984
6197	25° 39'	80° 17'	63694	JAMES VOSTERS	FDEP	Class V Non-ASR	-	80	0	Biscayne	7/25/1984
6198	25° 46'	80° 12'	63726	RICO, JESUS	FDEP	Class V Non-ASR	-	80	75	Biscayne	7/31/1984
6199	25° 52'	80° 10'	62990	LOAR, RICHARD E.	FDEP	Class V Non-ASR	-	80	68	Biscayne	11/19/1984
6200	25° 44'	80° 15'	63004	ZION, RICHARD	FDEP	Class V Non-ASR	-	80	80	Biscayne	11/20/1984
6201	25° 49'	80° 11'	62951	ORANGE STATE OIL COMPANY	FDEP	Class V Non-ASR	-	80	0	Biscayne	8/15/1985
6202	25° 45'	80° 12'	63801	BERMAN, JOSEPH	FDEP	Class V Non-ASR	-	80	75	Biscayne	8/10/1984
6203	25° 42'	80° 15'	63075	WHEATLEY, ROBERT, JR.	FDEP	Class V Non-ASR	-	80	65	Biscayne	11/28/1984
6204	25° 48'	80° 13'	63127	MACNEILL, RUSSELL	FDEP	Class V Non-ASR	-	80	0	Biscayne	11/29/1984
6205	25° 47'	80° 8'	63905	COE, L. C.	FDEP	Class V Non-ASR	-	80	0	Biscayne	8/16/1985
6206	25° 44'	80° 15'	63929	BASSE, L. W.	FDEP	Class V Non-ASR	-	80	0	Biscayne	9/25/1984
6207	25° 43'	80° 15'	63208	LOWENTHAL, HAROLD	FDEP	Class V Non-ASR	-	80	42	Biscayne	1/2/1985
6208	25° 48'	80° 16'	63164	SACRE ENTERPRISES, INC.	FDEP	Class V Non-ASR	-	80	0	Biscayne	1/17/1985
6209	25° 42'	80° 16'	64044	COPPOCK, LORING F.	FDEP	Class V Non-ASR	-	80	80	Biscayne	10/4/1984
6210	25° 48'	80° 11'	63265	PYKE BROTHERS & SON	FDEP	Class V Non-ASR	-	80	70	Biscayne	1/4/1985
6211	25° 54'	80° 9'	64075	LUDMAN CORP.	FDEP	Class V Non-ASR	-	80	74	Biscayne	1/1/1970
6212	25° 46'	80° 7'	63312	OCEAN POINT ASSOC, INC.	FDEP	Class V Non-ASR	-	80	80	Biscayne	2/7/2011
6213	25° 46'	80° 7'	86778	226 OCEAN DRIVE, LTD.	FDEP	Class V Non-ASR	-	80	49	Biscayne	6/8/2001
6214	25° 45'	80° 8'	86145	BAYVIEW 7 BUILDING	FDEP	Class V Non-ASR	-	80	60	Biscayne	9/1/2000
6215	25° 55'	80° 9'	87628	EQUITABLE BANK-N. MIAMI BEACH BRANCH	FDEP	Class V Non-ASR	-	80	50	Biscayne	5/31/2001
6216	25° 46'	80° 8'	85556	MURANO AT PORTOFINO	FDEP	Class V Non-ASR	-	80	60	Biscayne	6/22/2000
6217	25° 46'	80° 8'	85556	MURANO AT PORTOFINO	FDEP	Class V Non-ASR	-	80	60	Biscayne	6/28/2000
6218	25° 46'	80° 8'	85556	MURANO AT PORTOFINO	FDEP	Class V Non-ASR	-	80	59	Biscayne	6/19/2000
6219	25° 47'	80° 7'	86270	420 LINCOLN ROAD	FDEP	Class V Non-ASR	-	80	60	Biscayne	9/1/2000
6220	25° 45'	80° 11'	85505	ESPIRITO SANTO PLAZA	FDEP	Class V Non-ASR	-	80	40	Biscayne	7/17/2000
6221	25° 46'	80° 8'	88700	MURANO GRANDE AT PORTOFINO	FDEP	Class V Non-ASR	-	80	49	Biscayne	4/25/2003
6222	25° 47'	80° 10'	90176	MIAMI CHILDREN'S MUSEUM	FDEP	Class V Non-ASR	-	80	60	Biscayne	10/14/2002
6223	25° 41'	80° 9'	88522	KEY BISCAYNE FIRE RESCUE DEPARTMENT	FDEP	Class V Non-ASR	-	80	64	Biscayne	2/4/2002
6224	25° 51'	80° 7'	90007	NORTH SHORE PARK & YOUTH CENTER	FDEP	Class V Non-ASR	-	80	40	Biscayne	10/8/2002
6225	25° 52'	80° 10'	91178	K-MART # 4295	FDEP	Class V Non-ASR	-	80	60	Biscayne	8/11/2003
6226	25° 46'	80° 8'	92839	ARMITAGE PLACE	FDEP	Class V Non-ASR	-	80	65	Biscayne	10/17/2005
6227	25° 51'	80° 7'	93661	VILAZUL SEASIDE LOFTS	FDEP	Class V Non-ASR	-	80	72	Biscayne	1/26/2006
6228	25° 46'	80° 7'	94921	120 OCEAN DRIVE-KALLISTO	FDEP	Class V Non-ASR	-	80	64	Biscayne	12/5/2013
6229	25° 45'	80° 11'	95059	ONE PLAZA	FDEP	Class V Non-ASR	-	80	75	Biscayne	11/20/2008
6230	25° 46'	80° 8'	94414	401 JEFFERSON	FDEP	Class V Non-ASR	-	80	71	Biscayne	9/29/2006
6231	25°	53° 80'	102930	BAY HARBOR 1	FDEP	Class V Non-ASR	-	80	60	Biscayne	8/1/2018
6232	25°	53° 80'	102930	BAY HARBOR 1	FDEP	Class V Non-ASR	-	80	60	Biscayne	8/1/2018

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Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
6233	25° 46'	80° 16'	104374	MARIO SOSA	FDEP	Class V Non-ASR	-	80	85	Biscayne	1/1/1970
6234	25° 42'	80° 14'	102972	COCONUT HARBOUR RESIDENCES	FDEP	Class V Non-ASR	-	80	60	Biscayne	9/9/2016
6235	25° 53'	80° 7'	103084	BIJOU BAY HARBOR	FDEP	Class V Non-ASR	-	80	60	Biscayne	6/1/2018
6236	25° 46'	80° 8'	102841	709 ALTON RD	FDEP	Class V Non-ASR	-	80	60	Biscayne	8/23/2016
6237	25° 46'	80° 8'	102841	709 ALTON RD	FDEP	Class V Non-ASR	-	80	60	Biscayne	6/14/2016
6238	25° 46'	80° 8'	102841	709 ALTON RD	FDEP	Class V Non-ASR	-	80	60	Biscayne	7/1/2016
6239	25° 46'	80° 8'	102841	709 ALTON RD	FDEP	Class V Non-ASR	-	80	60	Biscayne	6/28/2016
6240	25° 47'	80° 8'	103213	MONAD TERRACE	FDEP	Class V Non-ASR	-	80	60	Biscayne	9/25/2017
6241	25° 46'	80° 8'	101258	ONE OCEAN	FDEP	Class V Non-ASR	-	81	69	Biscayne	8/26/2013
6242	25° 46'	80° 8'	101258	ONE OCEAN	FDEP	Class V Non-ASR	-	81	60	Biscayne	9/24/2013
6243	25° 46'	80° 7'	102290	SURFSTYLE	FDEP	Class V Non-ASR	-	81	63	Biscayne	7/21/2015
6244	25° 47'	80° 8'	97847	CRATE & BARREL	FDEP	Class V Non-ASR	-	81	69	Biscayne	7/7/2009
6245	25° 46'	80° 8'	99838	CITY OF MIAMI FLAMINGO-LUMMUS	FDEP	Class V Non-ASR	-	81	62	Biscayne	4/14/2011
6246	25° 46'	80° 8'	99838	CITY OF MIAMI FLAMINGO-LUMMUS	FDEP	Class V Non-ASR	-	81	62	Biscayne	5/16/2011
6247	25° 46'	80° 8'	99838	CITY OF MIAMI FLAMINGO-LUMMUS	FDEP	Class V Non-ASR	-	81	61	Biscayne	5/30/2011
6248	25° 51'	80° 7'	59500	HARDING TOWER	FDEP	Class V Non-ASR	-	81	60	Biscayne	9/2/1994
6249	25° 51'	80° 7'	59500	HARDING TOWER	FDEP	Class V Non-ASR	-	81	74	Biscayne	9/2/1994
6250	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	81	52	Biscayne	1/7/1991
6251	25° 46'	80° 13'	57041	CITY OF MIAMI P/R/W - PROJECT B-4536	FDEP	Class V Non-ASR	-	81	60	Biscayne	2/25/1992
6252	25° 46'	80° 13'	57041	CITY OF MIAMI P/R/W - PROJECT B-4536	FDEP	Class V Non-ASR	-	81	60	Biscayne	2/25/1992
6253	25° 46'	80° 13'	57041	CITY OF MIAMI P/R/W - PROJECT B-4536	FDEP	Class V Non-ASR	-	81	60	Biscayne	2/25/1992
6254	25° 46'	80° 13'	57041	CITY OF MIAMI P/R/W - PROJECT B-4536	FDEP	Class V Non-ASR	-	81	61	Biscayne	2/25/1992
6255	25° 47'	80° 7'	57099	BHOJWANI FOLLY	FDEP	Class V Non-ASR	-	81	71	Biscayne	2/14/1996
6256	25° 52'	80° 7'	59464	CHAMPLAIN TOWERS EAST	FDEP	Class V Non-ASR	-	81	56	Biscayne	7/28/1994
6257	25° 48'	80° 15'	61781	UNI-VINYL CORP.	FDEP	Class V Non-ASR	-	81	77	Biscayne	8/1/1984
6258	25° 43'	80° 16'	61790	UNIV. OF MIAMI	FDEP	Class V Non-ASR	-	81	73	Biscayne	8/1/1984
6259	25° 41'	80° 10'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	81	60	Biscayne	4/18/1996
6260	25° 47'	80° 7'	59956	THE ANCHOR SHOPS & PARKING	FDEP	Class V Non-ASR	-	81	63	Biscayne	1/28/1998
6261	25° 46'	80° 11'	60008	AMERICAN AILRLINES ARENA	FDEP	Class V Non-ASR	-	81	40	Biscayne	9/4/1998
6262	25° 46'	80° 11'	60008	AMERICAN AILRLINES ARENA	FDEP	Class V Non-ASR	-	81	51	Biscayne	9/1/1998
6263	25° 46'	80° 7'	60009	721 COLLINS BUILDING	FDEP	Class V Non-ASR	-	81	48	Biscayne	8/24/1998
6264	25° 45'	80° 15'	62346	HENDRICKSON, OLIVER	FDEP	Class V Non-ASR	-	81	74	Biscayne	10/15/1984
6265	25° 46'	80° 7'	60017	740 COLLINS AVENUE	FDEP	Class V Non-ASR	-	81	63	Biscayne	11/25/1998
6266	25° 47'	80° 7'	60029	SASSON ON THE OCEAN	FDEP	Class V Non-ASR	-	81	68	Biscayne	5/18/1999
6267	25° 44'	80° 15'	64310	MIRACLE THEATER	FDEP	Class V Non-ASR	-	81	0	Biscayne	10/24/1984
6268	25° 51'	80° 10'	63785	TAYLOR, JOHN	FDEP	Class V Non-ASR	-	81	80	Biscayne	8/9/1984
6269	25° 41'	80° 17'	63054	SCHWARZ, ROBERT J.	FDEP	Class V Non-ASR	-	81	63	Biscayne	11/27/1984
6270	25° 47'	80° 12'	63907	PANSKY, L. D.	FDEP	Class V Non-ASR	-	81	76	Biscayne	9/24/1984
6271	25° 46'	80° 11'	65450	FDOT STATE PROJECT NO.870006-3502	FDEP	Class V Non-ASR	-	81	59	Biscayne	1/14/1994
6272	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	81	69	Biscayne	6/25/2001
6273	25° 53'	80° 7'	87672	IMPERIAL 101	FDEP	Class V Non-ASR	-	81	58	Biscayne	9/24/2001
6274	25° 46'	80° 8'	88700	MURANO GRANDE AT PORTOFINO	FDEP	Class V Non-ASR	-	81	66	Biscayne	9/17/2002
6275	25° 47'	80° 7'	88892	PLAZA DE ESPANA	FDEP	Class V Non-ASR	-	81	40	Biscayne	6/10/2002
6276	25° 46'	80° 8'	89010	FLAMINGO PARK	FDEP	Class V Non-ASR	-	81	55	Biscayne	8/5/2002
6277	25° 47'	80° 7'	91692	FIRE STATION # 2	FDEP	Class V Non-ASR	-	81	66	Biscayne	6/20/2005
6278	25° 53'	80° 9'	93287	BROAD CAUSEWAY	FDEP	Class V Non-ASR	-	81	60	Biscayne	8/23/2005
6279	25° 46'	80° 8'	91182	BENTLEY BAY	FDEP	Class V Non-ASR	-	81	64	Biscayne	8/6/2003
6280	25° 46'	80° 8'	91293	ABSOLUTE LOFTS	FDEP	Class V Non-ASR	-	81	58	Biscayne	9/19/2003
6281	25° 47'	80° 8'	91297	2001 MERIDIAN CONDOMINUM	FDEP	Class V Non-ASR	-	81	52	Biscayne	1/12/2004
6282	25° 47'	80° 8'	94697	MULTI-PURPOSE MUNICIPAL PARKING FACILITY	FDEP	Class V Non-ASR	-	81	68	Biscayne	7/13/2007
6283	25° 47'	80° 8'	94697	MULTI-PURPOSE MUNICIPAL PARKING FACILITY	FDEP	Class V Non-ASR	-	81	68	Biscayne	6/29/2007
6284	25° 47'	80° 8'	105219	TIRE CHOICE - ALTON ROAD	FDEP	Class V Non-ASR	-	81	67	Biscayne	7/12/2018
6285	25° 47'	80° 8'	99646	URIEL LABER	FDEP	Class V Non-ASR	-	82	65	Biscayne	8/22/2011
6286	25° 47'	80° 9'	98488	3 ISLAND	FDEP	Class V Non-ASR	-	82	60	Biscayne	11/20/2009
6287	25° 46'	80° 8'	99838	CITY OF MIAMI FLAMINGO-LUMMUS	FDEP	Class V Non-ASR	-	82	62	Biscayne	4/8/2011
6288	25° 46'	80° 8'	99838	CITY OF MIAMI FLAMINGO-LUMMUS	FDEP	Class V Non-ASR	-	82	62	Biscayne	4/20/2011
6289	25° 46'	80° 8'	99838	CITY OF MIAMI FLAMINGO-LUMMUS	FDEP	Class V Non-ASR	-	82	62	Biscayne	5/10/2011
6290	25° 44'	80° 10'	56489	MARITIME & SCIENCE TECHNOLOGY ACADEMY	FDEP	Class V Non-ASR	-	82	71	Biscayne	2/25/1993
6291	25° 45'	80° 8'	58130	FISHER ISLAND BLDG #10-BAYVIEW	FDEP	Class V Non-ASR	-	82	60	Biscayne	6/12/2001
6292	25° 43'	80° 14'	57519	TERREMARK CENTRE (GENERAL DEV. CORP)	FDEP	Class V Non-ASR	-	82	69	Biscayne	1/26/1988
6293	25° 45'	80° 11'	59038	CONSOLIDATED BANK	FDEP	Class V Non-ASR	-	82	43	Biscayne	9/8/1992
6294	25° 54'	80° 9'	59114	COSTCO - NORTH MIAMI BEACH	FDEP	Class V Non-ASR	-	82	62	Biscayne	12/3/1992
6295	25° 55'	80° 7'	57044	HAULOVER BEACH PARKING LOT NO. 2	FDEP	Class V Non-ASR	-	82	58	Biscayne	12/23/1991
6296	25° 55'	80° 7'	57044	HAULOVER BEACH PARKING LOT NO. 2	FDEP	Class V Non-ASR	-	82	56	Biscayne	6/23/2015
6297	25° 44'	80° 16'	57725	VENETIAN POOL	FDEP	Class V Non-ASR	-	82	48	Biscayne	1/12/1989
6298	25° 41'	80° 9'	58552	KEY BISCAYNE HOTEL AND VILLAS	FDEP	Class V Non-ASR	-	82	37	Biscayne	5/10/1991
6299	25° 45'	80° 17'	61768	TURNKEY CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	82	76	Biscayne	7/31/1984
6300	25° 48'	80° 15'	62644	VARNEY,GARDEN	FDEP	Class V Non-ASR	-	82	78	Biscayne	10/24/1984
6301	25° 44'	80° 14'	60360	BAYVIEW EXECUTIVE PLAZA	FDEP	Class V Non-ASR	-	82	72	Biscayne	1/29/1986
6302	25° 46'	80° 7'	59754	SINCLAIR BUILDING	FDEP	Class V Non-ASR	-	82	65	Biscayne	4/11/1996
6303	25° 47'	80° 8'	59786	SUNSET HARBOUR NORTH TOWER	FDEP	Class V Non-ASR	-	82	64	Biscayne	7/9/1996
6304	25° 51'	80° 7'	62200	HARDING APTS.	FDEP	Class V Non-ASR	-	82	74	Biscayne	9/21/1984
6305	25° 42'	80° 16'	60675	GAINES, BEN B.	FDEP	Class V Non-ASR	-	82	37	Biscayne	8/7/1984
6306	25° 46'	80° 17'	60943	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	82	76	Biscayne	8/22/1984
6307	25° 53'	80° 11'	62509	FOOD FAIR STORES	FDEP	Class V Non-ASR	-	82	82	Biscayne	10/8/1984
6308	25° 47'	80° 14'	64258	MIA. RETAIL GROCERS	FDEP	Class V Non-ASR	-	82	78	Biscayne	10/23/1984
6309	25° 48'	80° 15'	62956	PEARCE-SIMPSON INC.	FDEP	Class V Non-ASR	-	82	77	Biscayne	11/21/1984
6310	25° 45'	80° 12'	63848	KASOW BUILDERS, INC.	FDEP	Class V Non-ASR	-	82	75	Biscayne	9/5/1984
6311	25° 52'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	82	52	Biscayne	6/23/1995
6312	25° 46'	80° 10'	65512	WATSON ISLAND ACCESS ROAD	FDEP	Class V Non-ASR	-	82	42	Biscayne	10/16/1998
6313	25° 47'	80° 8'	85133	PARK-SHORE	FDEP	Class V Non-ASR	-	82	59	Biscayne	3/24/2000
6314	25° 38'	80° 17'	87001	DEERING BAY	FDEP	Class V Non-ASR	-	82	66	Biscayne	5/10/2001
6315	25° 46'	80° 8'	87965	COSMOPOLITAN @ SOUTH BEACH	FDEP	Class V Non-ASR	-	82	51	Biscayne	8/14/2002
6316	25° 53'	80° 9'	89404	HOME DEPOT-BISCAYNE BLVD.	FDEP	Class V Non-ASR	-	82	60	Biscayne	1/24/2003
6317	25° 38'	80° 17'	88261	DEERING BAY MARINA	FDEP	Class V Non-ASR	-	82	30	Biscayne	9/28/2001
6318	25° 46'	80° 8'	89700	MURANO MAXIMUS	FDEP	Class V Non-ASR	-	82	58	Biscayne	6/9/2003
6319	25° 54'	80° 9'	90897	BANK UNITED/KEYSTONE PLAZA	FDEP	Class V Non-ASR	-	82	45	Biscayne	4/15/2003
6320	25° 46'	80° 11'	93206	ASIA AT BRICKELL KEY	FDEP	Class V Non-ASR	-	82	56	Biscayne	9/15/2005
6321	25° 46'	80° 11'	93206	ASIA AT BRICKELL KEY	FDEP	Class V Non-ASR	-	82	54	Biscayne	9/19/2005

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
6322	25° 46'	80° 11'	93206	ASIA AT BRICKELL KEY	FDEP	Class V Non-ASR	-	82	54	Biscayne	9/23/2005
6323	25° 48'	80° 7'	93214	TEMPLE BETH SHOLOM	FDEP	Class V Non-ASR	-	82	60	Biscayne	1/12/2006
6324	25° 45'	80° 8'	93226	APOGEE	FDEP	Class V Non-ASR	-	82	62	Biscayne	10/10/2005
6325	25° 40'	80° 10'	93271	HARBOR DRIVE	FDEP	Class V Non-ASR	-	82	60	Biscayne	10/14/2005
6326	25° 46'	80° 7'	95602	VICTORIA SECRET	FDEP	Class V Non-ASR	-	82	64	Biscayne	7/3/2009
6327	25° 46'	80° 11'	93876	ICON BRICKELL	FDEP	Class V Non-ASR	-	82	60	Biscayne	5/27/2006
6328	25° 51'	80° 8'	94966	NORMANDY SHORES GOLF CLUB	FDEP	Class V Non-ASR	-	82	45	Biscayne	3/10/2008
6329	25° 52'	80° 7'	102755	8701 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	82	66	Biscayne	5/13/2016
6330	25° 46'	80° 10'	103025	DYER RESIDENCE	FDEP	Class V Non-ASR	-	82	65	Biscayne	7/10/2017
6331	25° 47'	80° 8'	103277	17TH & WEST	FDEP	Class V Non-ASR	-	82	60	Biscayne	3/17/2017
6332	25° 47'	80° 7'	102980	GREYSTONE HOTEL	FDEP	Class V Non-ASR	-	82	71	Biscayne	11/20/2018
6333	25° 46'	80° 7'	102211	1201 VILLAGE AKA TIDES VILLAGE	FDEP	Class V Non-ASR	-	83	65	Biscayne	8/20/2015
6334	25° 46'	80° 7'	101675	WYNDHAM GARDENS HOTELS	FDEP	Class V Non-ASR	-	83	60	Biscayne	6/11/2014
6335	25° 46'	80° 11'	102050	THE LANGFORD HOTEL	FDEP	Class V Non-ASR	-	83	73	Biscayne	11/4/2014
6336	25° 46'	80° 8'	99838	CITY OF MIAMI FLAMINGO-LUMMUS	FDEP	Class V Non-ASR	-	83	62	Biscayne	4/27/2011
6337	25° 46'	80° 8'	99838	CITY OF MIAMI FLAMINGO-LUMMUS	FDEP	Class V Non-ASR	-	83	62	Biscayne	5/25/2011
6338	25° 44'	80° 10'	56489	MARITIME & SCIENCE TECHNOLOGY ACADEMY	FDEP	Class V Non-ASR	-	83	60	Biscayne	2/25/1993
6339	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	83	66	Biscayne	1/25/2016
6340	25° 44'	80° 16'	57725	VENETIAN POOL	FDEP	Class V Non-ASR	-	83	50	Biscayne	1/12/1989
6341	25° 47'	80° 8'	57108	SUNSET HARBOUR DRIVE ROAD IMPROVEMENTS	FDEP	Class V Non-ASR	-	83	71	Biscayne	10/9/2012
6342	25° 46'	80° 12'	61972	EVANS, WILLIAM P.	FDEP	Class V Non-ASR	-	83	79	Biscayne	8/13/1984
6343	25° 47'	80° 8'	59788	THE TOWNHOMES AT SUNSET HARBOUR	FDEP	Class V Non-ASR	-	83	73	Biscayne	4/11/1996
6344	25° 47'	80° 7'	59913	1500 OCEAN DR/OCEAN STEPS	FDEP	Class V Non-ASR	-	83	69	Biscayne	8/11/1997
6345	25° 43'	80° 18'	60593	HUTTON, ARTHUR E.	FDEP	Class V Non-ASR	-	83	78	Biscayne	8/1/1984
6346	25° 44'	80° 15'	61424	SAN-TAN INVESTMENT, INC.	FDEP	Class V Non-ASR	-	83	75	Biscayne	7/19/1984
6347	25° 47'	80° 13'	61447	SEABOARD AIR LNS. R.R.	FDEP	Class V Non-ASR	-	83	71	Biscayne	7/19/1984
6348	25° 46'	80° 11'	59924	PANELINIOUS LTD., BVI	FDEP	Class V Non-ASR	-	83	48	Biscayne	5/2/1997
6349	25° 41'	80° 10'	60740	BISCAYNE BAY ESTATES	FDEP	Class V Non-ASR	-	83	76	Biscayne	8/10/1984
6350	25° 47'	80° 11'	60107	PLAZA VENETIA I	FDEP	Class V Non-ASR	-	83	12	Biscayne	6/29/1983
6351	25° 51'	80° 8'	60939	CITY OF MIAMI BEACH	FDEP	Class V Non-ASR	-	83	77	Biscayne	8/22/1984
6352	25° 41'	80° 9'	62508	FOOD FAIR STORES	FDEP	Class V Non-ASR	-	83	77	Biscayne	10/8/1984
6353	25° 46'	80° 11'	60194	BRICKELL KEY	FDEP	Class V Non-ASR	-	83	72	Biscayne	12/5/1981
6354	25° 46'	80° 14'	64285	MIAMI SENIOR HIGH SCHOOL	FDEP	Class V Non-ASR	-	83	70	Biscayne	10/24/1984
6355	25° 45'	80° 12'	62705	PACKER PONTIAC, INC.	FDEP	Class V Non-ASR	-	83	68	Biscayne	10/18/1984
6356	25° 40'	80° 19'	63642	JACKSON BUILDERS	FDEP	Class V Non-ASR	-	83	68	Biscayne	7/19/1984
6357	25° 46'	80° 11'	65401	FDOT 87000-3687 PORT OF MIAMI BRIDGE	FDEP	Class V Non-ASR	-	83	59	Biscayne	11/17/1988
6358	25° 45'	80° 12'	63154	LEV, ALFRED	FDEP	Class V Non-ASR	-	83	80	Biscayne	12/28/1984
6359	25° 47'	80° 10'	65512	WATSON ISLAND ACCESS ROAD	FDEP	Class V Non-ASR	-	83	45	Biscayne	9/23/1998
6360	25° 47'	80° 8'	85133	PARK-SHORE	FDEP	Class V Non-ASR	-	83	59	Biscayne	3/21/2000
6361	25° 45'	80° 11'	84580	FOUR SEASONS HOTEL & TOWER	FDEP	Class V Non-ASR	-	83	37	Biscayne	12/29/1999
6362	25° 47'	80° 7'	86270	420 LINCOLN ROAD	FDEP	Class V Non-ASR	-	83	70	Biscayne	6/27/2011
6363	25° 47'	80° 7'	88892	PLAZA DE ESPANA	FDEP	Class V Non-ASR	-	83	53	Biscayne	6/3/2002
6364	25° 46'	80° 8'	89700	MURANO MAXIMUS	FDEP	Class V Non-ASR	-	83	52	Biscayne	5/22/2003
6365	25° 52'	80° 10'	88454	TOWNHOMES OF QUAYSIDE (BAYFRONT & LAKESIDE)	FDEP	Class V Non-ASR	-	83	60	Biscayne	2/1/2002
6366	25° 54'	80° 9'	88668	KEYSTONE PLAZA	FDEP	Class V Non-ASR	-	83	40	Biscayne	6/4/2002
6367	25° 46'	80° 7'	94686	4TH AND OCEAN HOTEL	FDEP	Class V Non-ASR	-	83	70	Biscayne	6/6/2007
6368	25° 47'	80° 8'	94697	MULTI-PURPOSE MUNICIPAL PARKING FACILITY	FDEP	Class V Non-ASR	-	83	72	Biscayne	6/21/2007
6369	25° 51'	80° 7'	94263	6800 INDIAN CREEK	FDEP	Class V Non-ASR	-	83	73	Biscayne	4/26/2019
6370	25° 52'	80° 7'	102755	8701 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	83	66	Biscayne	2/1/2017
6371	25° 46'	80° 7'	103024	CVS	FDEP	Class V Non-ASR	-	83	73	Biscayne	12/13/2016
6372	25° 47'	80° 8'	102566	NIKE - LINCOLN RD.	FDEP	Class V Non-ASR	-	83	65	Biscayne	10/28/2015
6373	25° 45'	80° 11'	106114	888 BRICKELL PLAZA	FDEP	Class V Non-ASR	-	83	72	Biscayne	11/7/2019
6374	25° 46'	80° 7'	103021	THE VITRINE	FDEP	Class V Non-ASR	-	83	70	Biscayne	2/2/2017
6375	25° 47'	80° 8'	98432	THE FRESH MARKET # 105	FDEP	Class V Non-ASR	-	84	64	Biscayne	2/15/2010
6376	25° 47'	80° 8'	98432	THE FRESH MARKET # 105	FDEP	Class V Non-ASR	-	84	64	Biscayne	2/15/2010
6377	25° 47'	80° 8'	101908	PALAU SUNSET HARBOR	FDEP	Class V Non-ASR	-	84	75	Biscayne	7/2/2014
6378	25° 47'	80° 8'	101908	PALAU SUNSET HARBOR	FDEP	Class V Non-ASR	-	84	75	Biscayne	7/10/2014
6379	25° 47'	80° 8'	98550	1600 MICHIGAN	FDEP	Class V Non-ASR	-	84	73	Biscayne	11/29/2010
6380	25° 46'	80° 7'	102211	1201 VILLAGE AKA TIDES VILLAGE	FDEP	Class V Non-ASR	-	84	65	Biscayne	8/1/2015
6381	25° 41'	80° 9'	100518	THE ISLAND HOUSE APARTMENTS INC.	FDEP	Class V Non-ASR	-	84	75	Biscayne	2/12/2013
6382	25° 41'	80° 9'	100518	THE ISLAND HOUSE APARTMENTS INC.	FDEP	Class V Non-ASR	-	84	75	Biscayne	2/25/2013
6383	25° 41'	80° 9'	100518	THE ISLAND HOUSE APARTMENTS INC.	FDEP	Class V Non-ASR	-	84	75	Biscayne	3/12/2013
6384	25° 41'	80° 9'	100518	THE ISLAND HOUSE APARTMENTS INC.	FDEP	Class V Non-ASR	-	84	75	Biscayne	3/1/2013
6385	25° 46'	80° 7'	59609	SPEC'S MUSIC	FDEP	Class V Non-ASR	-	84	48	Biscayne	5/17/1995
6386	25° 46'	80° 7'	59611	8TH STREET STORES	FDEP	Class V Non-ASR	-	84	68	Biscayne	1/24/1995
6387	25° 47'	80° 8'	57525	MIAMI BEACH YACHT CLUB	FDEP	Class V Non-ASR	-	84	64	Biscayne	2/5/1988
6388	25° 53'	80° 9'	59131	UNIVERSAL PLAZA	FDEP	Class V Non-ASR	-	84	62	Biscayne	2/19/1993
6389	25° 55'	80° 7'	57044	HAULOVER BEACH PARKING LOT NO. 2	FDEP	Class V Non-ASR	-	84	56	Biscayne	6/19/2015
6390	25° 47'	80° 8'	57109	CITY OF MIAMI BEACH - WASH. AVE.	FDEP	Class V Non-ASR	-	84	60	Biscayne	11/5/1996
6391	25° 50'	80° 10'	57114	BELLE MEADE STORM SEWER PH II A	FDEP	Class V Non-ASR	-	84	60	Biscayne	2/13/1995
6392	25° 41'	80° 9'	58552	KEY BISCAYNE HOTEL AND VILLAS	FDEP	Class V Non-ASR	-	84	34	Biscayne	4/26/1991
6393	25° 41'	80° 9'	58552	KEY BISCAYNE HOTEL AND VILLAS	FDEP	Class V Non-ASR	-	84	35	Biscayne	5/21/1991
6394	25° 41'	80° 9'	58552	KEY BISCAYNE HOTEL AND VILLAS	FDEP	Class V Non-ASR	-	84	37	Biscayne	5/26/1991
6395	25° 38'	80° 17'	59378	DEERING BAY MARINA	FDEP	Class V Non-ASR	-	84	31	Biscayne	2/15/1994
6396	25° 50'	80° 7'	60197	SURF CONDOMINIUM, THE	FDEP	Class V Non-ASR	-	84	74	Biscayne	3/1/1982
6397	25° 47'	80° 12'	61767	STUDESTILL, TURNER	FDEP	Class V Non-ASR	-	84	79	Biscayne	7/31/1984
6398	25° 46'	80° 8'	59653	WALGREEN - JEFFERSON AVENUE	FDEP	Class V Non-ASR	-	84	56	Biscayne	5/17/1995
6399	25° 53'	80° 7'	59703	BAY HARBOR ELEMENTARY	FDEP	Class V Non-ASR	-	84	58	Biscayne	8/19/1996
6400	25° 40'	80° 18'	61283	MCLEOD, E. F.	FDEP	Class V Non-ASR	-	84	78	Biscayne	9/7/1984
6401	25° 45'	80° 13'	62171	HEWETT, H. F.	FDEP	Class V Non-ASR	-	84	84	Biscayne	9/20/1984
6402	25° 46'	80° 15'	61454	SECURITY REAL ESTATE	FDEP	Class V Non-ASR	-	84	79	Biscayne	7/19/1984
6403	25° 41'	80° 9'	61488	SHOREHAM-NORMAN HOTEL	FDEP	Class V Non-ASR	-	84	0	Biscayne	7/19/1984
6404	25° 41'	80° 16'	62323	OCCUPANT (SEAN COUTTS)	FDEP	Class V Non-ASR	-	84	82	Biscayne	10/12/1984
6405	25° 47'	80° 12'	62382	MORI, EUGENE	FDEP	Class V Non-ASR	-	84	80	Biscayne	9/21/1984
6406	25° 51'	80° 7'	60938	CITY OF MIAMI BEACH	FDEP	Class V Non-ASR	-	84	83	Biscayne	8/21/1984
6407	25° 44'	80° 14'	61666	LACKHART, T. E.	FDEP	Class V Non-ASR	-	84	79	Biscayne	7/25/1984
6408	25° 47'	80° 11'	63455	HODSON PONTIAC, INC.	FDEP	Class V Non-ASR	-	84	59	Biscayne	7/6/1984
6409	25° 47'	80° 7'	63506	SCHULTZ, I.	FDEP	Class V Non-ASR	-	84	76	Biscayne	7/9/1984
6410	25° 45'	80° 15'	63117	CENAL, RUBIN	FDEP	Class V Non-ASR	-	84	78	Biscayne	11/29/1984

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Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
6411	25° 44'	80° 13'	63296	BELIN, MAX AND ANN	FDEP	Class V Non-ASR	-	84	80	Biscayne	1/9/1985
6412	25° 47'	80° 8'	84203	1021-1025 LINCOLN ROAD	FDEP	Class V Non-ASR	-	84	65	Biscayne	1/28/2015
6413	25° 45'	80° 8'	87669	OCEANSIDE 6 AT FISHER ISLAND	FDEP	Class V Non-ASR	-	84	61	Biscayne	1/29/2002
6414	25° 47'	80° 8'	88892	PLAZA DE ESPANA	FDEP	Class V Non-ASR	-	84	53	Biscayne	6/17/2002
6415	25° 54'	80° 9'	89623	ARCH CREEK ESTATES PH. I & II	FDEP	Class V Non-ASR	-	84	71	Biscayne	8/26/2003
6416	25° 54'	80° 9'	88668	KEYSTONE PLAZA	FDEP	Class V Non-ASR	-	84	49	Biscayne	6/18/2002
6417	25° 53'	80° 8'	91761	GUILDFORD HOUSE CONDO	FDEP	Class V Non-ASR	-	84	55	Biscayne	10/1/2004
6418	25° 45'	80° 11'	92009	EMRALD AT BRICKELL	FDEP	Class V Non-ASR	-	84	42	Biscayne	7/2/2004
6419	25° 51'	80° 7'	92749	FIRE STATION NO. 4	FDEP	Class V Non-ASR	-	84	57	Biscayne	4/11/2005
6420	25° 46'	80° 8'	94921	120 OCEAN DRIVE-KALLISTO	FDEP	Class V Non-ASR	-	84	70	Biscayne	12/20/2013
6421	25° 47'	80° 8'	95383	PRAIRIE AVE DRAINAGE IMPROVEMANTS	FDEP	Class V Non-ASR	-	84	68	Biscayne	7/21/2008
6422	25° 52'	80° 7'	102755	8701 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	84	66	Biscayne	2/2/2017
6423	25° 52'	80° 7'	102755	8701 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	84	66	Biscayne	4/27/2016
6424	25° 47'	80° 8'	102410	1800 BAY ROAD BOUTIQUE	FDEP	Class V Non-ASR	-	84	77	Biscayne	9/9/2015
6425	25° 46'	80° 7'	104972	1200 OCEAN DRIVE	FDEP	Class V Non-ASR	-	84	65	Biscayne	1/8/2018
6426	25° 50'	80° 7'	98650	RESIDENCE AT 6601 WINDSOR LANE	FDEP	Class V Non-ASR	-	85	67	Biscayne	2/11/2010
6427	25° 47'	80° 8'	101908	PALAU SUNSET HARBOR	FDEP	Class V Non-ASR	-	85	75	Biscayne	10/29/2014
6428	25° 46'	80° 18'	99431	ANTHONY-BRIDY, INC	FDEP	Class V Non-ASR	-	85	80	Biscayne	2/18/1963
6429	25° 52'	80° 7'	101389	BH DEVELOPERS LLC	FDEP	Class V Non-ASR	-	85	47	Biscayne	1/18/2014
6430	25° 53'	80° 7'	97735	BAY HARBOR PARKING GARAGE	FDEP	Class V Non-ASR	-	85	64	Biscayne	7/28/2009
6431	25° 46'	80° 8'	91172	555 JEFFERSON AVENUE	FDEP	Class V Non-ASR	-	85	70	Biscayne	9/16/2003
6432	25° 48'	80° 8'	101784	PRIVATE RESIDENCE	FDEP	Class V Non-ASR	-	85	68	Biscayne	8/19/2014
6433	25° 48'	80° 8'	102144	41ST STREET RETAIL	FDEP	Class V Non-ASR	-	85	74	Biscayne	1/22/2015
6434	25° 46'	80° 10'	59541	RCL INNOVATION LAB - ROYAL CARIBBEAN	FDEP	Class V Non-ASR	-	85	70	Biscayne	12/16/2019
6435	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	85	66	Biscayne	2/9/2016
6436	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	85	66	Biscayne	2/2/2016
6437	25° 45'	80° 11'	59038	CONSOLIDATED BANK	FDEP	Class V Non-ASR	-	85	40	Biscayne	9/8/1992
6438	25° 41'	80° 9'	59054	KEY BISCAYNE COMMUNITY CENTER	FDEP	Class V Non-ASR	-	85	65	Biscayne	9/14/2004
6439	25° 53'	80° 7'	102289	O RESIDENCES	FDEP	Class V Non-ASR	-	85	72	Biscayne	5/26/2015
6440	25° 41'	80° 9'	57358	COMMODORE CLUB I	FDEP	Class V Non-ASR	-	85	73	Biscayne	8/6/1987
6441	25° 46'	80° 8'	59456	SOUTH POINTE, PHASE I	FDEP	Class V Non-ASR	-	85	69	Biscayne	9/2/1986
6442	25° 45'	80° 17'	61719	KELLY, TIMOTHY	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/30/1984
6443	25° 46'	80° 15'	61729	TEIJEIRO, TONY	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/31/1984
6444	25° 45'	80° 15'	61754	TRIO MOTEL	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/31/1984
6445	25° 46'	80° 16'	61757	TROPIC AIR DEVELOPMENT	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/31/1984
6446	25° 46'	80° 15'	62544	KLEBBA, FRANK	FDEP	Class V Non-ASR	-	85	85	Biscayne	9/12/1984
6447	25° 42'	80° 19'	62545	KLEBBA, FRANK	FDEP	Class V Non-ASR	-	85	85	Biscayne	10/15/1984
6448	25° 41'	80° 17'	62550	KLEBBA, FRANK	FDEP	Class V Non-ASR	-	85	85	Biscayne	10/16/1984
6449	25° 46'	80° 11'	60204	SOUTHEAST FINANCIAL CENTER	FDEP	Class V Non-ASR	-	85	75	Biscayne	8/6/1982
6450	25° 48'	80° 17'	61778	CARBO, ULISES	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/26/1985
6451	25° 46'	80° 17'	61037	CORAL GABLES REALTY, INC.	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/24/1984
6452	25° 44'	80° 18'	61044	CORAL PLAZA CORP., INC.	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/24/1984
6453	25° 45'	80° 15'	62647	SALZMAN, GARY I.	FDEP	Class V Non-ASR	-	85	85	Biscayne	10/24/1984
6454	25° 45'	80° 15'	62648	SALZMAN, GARY I.	FDEP	Class V Non-ASR	-	85	80	Biscayne	10/24/1984
6455	25° 46'	80° 16'	62651	NAGYMIHALY, GASPER	FDEP	Class V Non-ASR	-	85	85	Biscayne	10/24/1984
6456	25° 44'	80° 19'	61049	CUTLER GATE PROPERTIES	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/28/1984
6457	25° 44'	80° 19'	61049	CUTLER GATE PROPERTIES	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/28/1984
6458	25° 50'	80° 18'	61868	HODGES, W. R.	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/7/1984
6459	25° 45'	80° 15'	61904	WALTERS DEVELOPMENT APARTMENTS	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/8/1984
6460	25° 53'	80° 7'	60363	THE J&J BUILDING LIMITED	FDEP	Class V Non-ASR	-	85	72	Biscayne	3/29/1985
6461	25° 41'	80° 18'	61096	DADELAND EAST, INC.	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/30/1984
6462	25° 45'	80° 15'	61098	DAMANDA APARTMENTS	FDEP	Class V Non-ASR	-	85	82	Biscayne	8/30/1984
6463	25° 44'	80° 15'	61913	WE-WASH-O-RAMA LAUNDRY	FDEP	Class V Non-ASR	-	85	80	Biscayne	8/8/1984
6464	25° 45'	80° 20'	61927	WESTBROOKE POOL & CABANAS	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/9/1984
6465	25° 45'	80° 20'	61927	WESTBROOKE POOL & CABANAS	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/9/1984
6466	25° 45'	80° 16'	60411	A AND R DEVELOPMENT, INC.	FDEP	Class V Non-ASR	-	85	0	Biscayne	7/13/1984
6467	25° 46'	80° 17'	61167	DIMUN INVESTMENT CORPORATION	FDEP	Class V Non-ASR	-	85	85	Biscayne	9/4/1984
6468	25° 44'	80° 16'	60465	SAKOLSKY, ALBERT H.	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/26/1985
6469	25° 46'	80° 16'	60471	PERLMAN, ALBERT	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/26/1984
6470	25° 46'	80° 16'	62042	ABRAHAM, GEORGE	FDEP	Class V Non-ASR	-	85	85	Biscayne	9/12/1984
6471	25° 46'	80° 17'	62044	ANTHONY, GEORGE	FDEP	Class V Non-ASR	-	85	0	Biscayne	11/16/1984
6472	25° 52'	80° 9'	60515	KAHN, ALLEN S.	FDEP	Class V Non-ASR	-	85	0	Biscayne	7/30/1984
6473	25° 51'	80° 16'	62076	THEINSTEIN, GEORGE	FDEP	Class V Non-ASR	-	85	85	Biscayne	9/13/1984
6474	25° 45'	80° 15'	62083	SUTCLIFF, GERALD C.	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/16/1984
6475	25° 42'	80° 17'	62085	GREEN, GERALD J.	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/16/1984
6476	25° 46'	80° 15'	62088	SCHAIMUCK, GERARD	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/16/1984
6477	25° 41'	80° 9'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	85	59	Biscayne	3/2/2018
6478	25° 46'	80° 18'	60556	ANTHONY & BRIDY, INC.	FDEP	Class V Non-ASR	-	85	80	Biscayne	7/31/1984
6479	25° 44'	80° 12'	61320	GAMSE, EDMOND	FDEP	Class V Non-ASR	-	85	80	Biscayne	9/11/1984
6480	25° 45'	80° 13'	61332	LEITNER, EDWARD	FDEP	Class V Non-ASR	-	85	85	Biscayne	9/11/1984
6481	25° 42'	80° 17'	62143	GREEN CONSTRUCTION CORP.	FDEP	Class V Non-ASR	-	85	80	Biscayne	9/20/1984
6482	25° 41'	80° 16'	62160	ROSS, H .A.	FDEP	Class V Non-ASR	-	85	85	Biscayne	9/20/1984
6483	25° 47'	80° 7'	59913	1500 OCEAN DR/OCEAN STEPS	FDEP	Class V Non-ASR	-	85	67	Biscayne	8/21/1997
6484	25° 51'	80° 17'	60592	HUTTOE, ARTHUR E.	FDEP	Class V Non-ASR	-	85	80	Biscayne	12/14/1985
6485	25° 52'	80° 15'	60595	HIESTAND, ARTHUR	FDEP	Class V Non-ASR	-	85	0	Biscayne	8/1/1984
6486	25° 43'	80° 17'	60608	ATLAS PROPERTIES, INC.	FDEP	Class V Non-ASR	-	85	0	Biscayne	8/2/1984
6487	25° 46'	80° 17'	60609	ATLAS PROPERTIES, INC.	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/2/1984
6488	25° 48'	80° 16'	60614	AVERMAN & YHOUNGS	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/2/1984
6489	25° 45'	80° 15'	60641	DIPRIMA, BALDWIN	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/3/1984
6490	25° 52'	80° 7'	61356	STAHL, ELIZABETH D.	FDEP	Class V Non-ASR	-	85	76	Biscayne	9/11/1984
6491	25° 54'	80° 11'	61361	ELLENESS CORPORATION	FDEP	Class V Non-ASR	-	85	85	Biscayne	9/11/1984
6492	25° 49'	80° 16'	61382	SPROVERO, S. J.	FDEP	Class V Non-ASR	-	85	80	Biscayne	7/18/1984
6493	25° 46'	80° 16'	62191	HALE KAI APARTMENTS, INC.	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/16/1984
6494	25° 53'	80° 9'	61412	ROUTENBERG, SAM	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/18/1984
6495	25° 50'	80° 13'	61425	SANDERS' SUNDRIES	FDEP	Class V Non-ASR	-	85	78	Biscayne	7/19/1984
6496	25° 46'	80° 17'	61429	SANTA CRUZ, INC.	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/19/1984
6497	25° 48'	80° 13'	62226	HORWICH, HARRY	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/19/1984
6498	25° 45'	80° 18'	62248	HASKELL M. LIBERMAN, INC.	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/19/1984
6499	25° 42'	80° 15'	60695	BENNELL-PACCOCK POOL	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/7/1984

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
6500	25° 46'	80° 13'	60700	BERMAR APARTMENTS	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/8/1984
6501	25° 41'	80° 18'	60735	HARELICK, BRIAN	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/10/1984
6502	25° 54'	80° 10'	61479	SHELMARK LAND CORPORATION	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/19/1984
6503	25° 50'	80° 17'	62290	NORALINA APARTMENTS, INC.	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/15/1984
6504	25° 49'	80° 15'	62301	NATIONAL CYLINDER GAS COMPANY	FDEP	Class V Non-ASR	-	85	79	Biscayne	11/15/1984
6505	25° 50'	80° 16'	62308	CALABREESE, ORLANDO M.	FDEP	Class V Non-ASR	-	85	0	Biscayne	10/9/1984
6506	25° 41'	80° 18'	60757	BOSTON-MIAMI CORPORATION	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/18/1984
6507	25° 42'	80° 17'	60781	BUTLER APARTMENTS	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/15/1984
6508	25° 50'	80° 17'	62356	CALABRESE, ORLANDO M., JR.	FDEP	Class V Non-ASR	-	85	0	Biscayne	10/15/1984
6509	25° 50'	80° 17'	62359	SANDLER, OSCAR	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/15/1984
6510	25° 45'	80° 12'	60824	CACTUS MOTEL	FDEP	Class V Non-ASR	-	85	74	Biscayne	8/16/1984
6511	25° 46'	80° 14'	61573	VIZENTHAL, ST. GEORGE	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/20/1984
6512	25° 41'	80° 18'	61592	BAUMANN, STANLEY J.	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/23/1984
6513	25° 53'	80° 7'	61593	LEVITCH, STANLEY	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/23/1984
6514	25° 45'	80° 12'	62396	LAVIGNE, F. C.	FDEP	Class V Non-ASR	-	85	80	Biscayne	9/24/1984
6515	25° 47'	80° 7'	60026	THE SURFCOMBER HOTEL	FDEP	Class V Non-ASR	-	85	70	Biscayne	1/14/1999
6516	25° 44'	80° 13'	60857	MORROW,CAROLYN	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/17/1984
6517	25° 41'	80° 19'	60869	BABCOCK, CHARLES, JR.	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/28/1984
6518	25° 41'	80° 19'	60869	BABCOCK, CHARLES, JR.	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/28/1984
6519	25° 41'	80° 18'	61608	BROWN, STEVE	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/26/1984
6520	25° 45'	80° 15'	62421	FASHODA CORPORATION	FDEP	Class V Non-ASR	-	85	85	Biscayne	9/24/1984
6521	25° 46'	80° 15'	62423	FEDERAL FIRE & CASUALTY CO.	FDEP	Class V Non-ASR	-	85	80	Biscayne	9/24/1984
6522	25° 40'	80° 18'	62436	FIRST FLORIDA BUILDING CORP.	FDEP	Class V Non-ASR	-	85	85	Biscayne	9/26/1984
6523	25° 51'	80° 16'	60923	CITY CLERK	FDEP	Class V Non-ASR	-	85	78	Biscayne	8/21/1984
6524	25° 45'	80° 15'	61670	CONROY, T. M.	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/25/1984
6525	25° 46'	80° 15'	61685	TELLERIA APARTMENTS	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/25/1984
6526	25° 48'	80° 16'	61704	SPRINGS TOWERS APARTMENTS	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/30/1984
6527	25° 53'	80° 7'	60176	MAZAL INVESTMENTS	FDEP	Class V Non-ASR	-	85	67	Biscayne	10/31/1981
6528	25° 43'	80° 14'	60180	KROLL WILSON COCONUT GROVE BAYSHORE	FDEP	Class V Non-ASR	-	85	75	Biscayne	8/31/1981
6529	25° 51'	80° 16'	64168	KURZWEIL, MARTIN	FDEP	Class V Non-ASR	-	85	85	Biscayne	10/12/1984
6530	25° 53'	80° 11'	64186	BELLOWS, MAURICE C.	FDEP	Class V Non-ASR	-	85	85	Biscayne	10/15/1984
6531	25° 41'	80° 18'	64194	HEIMAN, MAX	FDEP	Class V Non-ASR	-	85	85	Biscayne	10/15/1984
6532	25° 44'	80° 16'	63381	HEINZ, KORNER	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/5/1984
6533	25° 45'	80° 13'	63386	LOW, HELEN	FDEP	Class V Non-ASR	-	85	81	Biscayne	7/5/1984
6534	25° 48'	80° 14'	63394	FINKELSTEIN, HENRY	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/5/1984
6535	25° 46'	80° 13'	63412	RAAB, HERBERT L.	FDEP	Class V Non-ASR	-	85	0	Biscayne	7/5/1984
6536	25° 46'	80° 16'	63427	KASKEL, HERMAN	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/6/1984
6537	25° 49'	80° 16'	64218	KEONIG, MELVIN	FDEP	Class V Non-ASR	-	85	80	Biscayne	10/18/1984
6538	25° 50'	80° 13'	64225	MERCER-FUSSELL COMPANY	FDEP	Class V Non-ASR	-	85	80	Biscayne	10/18/1984
6539	25° 52'	80° 11'	64267	MIAMI SHORES VILLAGE	FDEP	Class V Non-ASR	-	85	80	Biscayne	10/23/1984
6540	25° 49'	80° 17'	64288	CODELLA, MICHAEL	FDEP	Class V Non-ASR	-	85	85	Biscayne	10/24/1984
6541	25° 53'	80° 10'	64291	CODELLA, MICHALE	FDEP	Class V Non-ASR	-	85	85	Biscayne	10/24/1984
6542	25° 43'	80° 19'	64298	MILLER LAKE GARDENS APT.	FDEP	Class V Non-ASR	-	85	80	Biscayne	10/24/1984
6543	25° 48'	80° 16'	62681	DIVOSTA, OTTO	FDEP	Class V Non-ASR	-	85	0	Biscayne	11/14/1984
6544	25° 46'	80° 16'	63498	HYDE PARK FASHIONS, INC.	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/9/1984
6545	25° 46'	80° 17'	64352	AZABOKY, MR. BAYA	FDEP	Class V Non-ASR	-	85	85	Biscayne	10/29/1984
6546	25° 41'	80° 18'	63562	J. D. D. CORPORATION	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/11/1984
6547	25° 45'	80° 15'	64364	PROSPERO, MR. GUIDO	FDEP	Class V Non-ASR	-	85	85	Biscayne	10/29/1984
6548	25° 51'	80° 16'	64376	MONTIEL, MR.	FDEP	Class V Non-ASR	-	85	80	Biscayne	10/29/1984
6549	25° 43'	80° 19'	63590	LOPEZ, J.	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/12/1984
6550	25° 46'	80° 15'	63621	FLEISCHER, JACK	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/13/1984
6551	25° 46'	80° 16'	62871	R & A DEVELOPMENT CORPORATION	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/13/1984
6552	25° 46'	80° 17'	63658	COLROSS, JAMES	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/19/1984
6553	25° 45'	80° 18'	63661	COLROSS, JAMES	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/19/1984
6554	25° 46'	80° 16'	63662	COLROSS, JAMES	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/19/1984
6555	25° 44'	80° 12'	62898	WEITZNER, RAYMOND D.	FDEP	Class V Non-ASR	-	85	85	Biscayne	1/4/1985
6556	25° 44'	80° 14'	62901	COTE, RAYMOND W.	FDEP	Class V Non-ASR	-	85	84	Biscayne	11/19/1984
6557	25° 49'	80° 11'	63687	JAMES R. BARRETT	FDEP	Class V Non-ASR	-	85	0	Biscayne	7/25/1984
6558	25° 53'	80° 11'	63704	PARDI, JEANETTE	FDEP	Class V Non-ASR	-	85	85	Biscayne	7/31/1984
6559	25° 53'	80° 11'	62998	BENNETT, RICHARD R.	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/20/1984
6560	25° 50'	80° 16'	63003	HUNTER, RICHARD W.	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/20/1984
6561	25° 50'	80° 17'	63737	WEISS, JOE	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/1/1984
6562	25° 41'	80° 19'	63739	WYNNE, JOEL F.	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/1/1984
6563	25° 51'	80° 13'	63753	CARLSON, JOHN	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/6/1984
6564	25° 48'	80° 17'	63762	GIBBS, JOHN	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/7/1984
6565	25° 41'	80° 18'	63767	JEWETT, JOHN	FDEP	Class V Non-ASR	-	85	80	Biscayne	8/8/1984
6566	25° 50'	80° 14'	63781	CARLSON, JOHN R.	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/9/1984
6567	25° 42'	80° 17'	62977	POPPE, REX H.	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/19/1984
6568	25° 41'	80° 18'	63788	MITCHELL, JOHN W.	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/9/1984
6569	25° 50'	80° 14'	63789	JORDON INDUSTRIES	FDEP	Class V Non-ASR	-	85	80	Biscayne	8/9/1984
6570	25° 45'	80° 15'	63790	ORTEGA, JOSE A.	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/9/1984
6571	25° 45'	80° 14'	63792	MILTON, JOSE	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/9/1984
6572	25° 49'	80° 17'	63797	WEISS, JOSE	FDEP	Class V Non-ASR	-	85	85	Biscayne	8/10/1984
6573	25° 45'	80° 14'	63834	RODRIGUEZ, JULIO	FDEP	Class V Non-ASR	-	85	80	Biscayne	9/5/1984
6574	25° 44'	80° 14'	63835	RODRIQUEZ, JULIO	FDEP	Class V Non-ASR	-	85	80	Biscayne	9/5/1984
6575	25° 44'	80° 14'	63835	RODRIQUEZ, JULIO	FDEP	Class V Non-ASR	-	85	80	Biscayne	9/5/1984
6576	25° 42'	80° 17'	63033	COUTURE, ROBERT E.	FDEP	Class V Non-ASR	-	85	80	Biscayne	11/27/1984
6577	25° 46'	80° 17'	63034	COUTURE, ROBERT E.	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/27/1984
6578	25° 44'	80° 16'	63035	MASELLI, ROBERT E.	FDEP	Class V Non-ASR	-	85	85	Biscayne	1/15/1985
6579	25° 43'	80° 18'	63039	ENGLISH, ROBERT	FDEP	Class V Non-ASR	-	85	80	Biscayne	11/27/1984
6580	25° 41'	80° 18'	63046	GITTLEMAN, ROBERT	FDEP	Class V Non-ASR	-	85	80	Biscayne	11/27/1984
6581	25° 52'	80° 14'	63064	MANHEIM, ROBERT	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/27/1984
6582	25° 48'	80° 15'	63067	WOLK, ROBERT S.	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/28/1984
6583	25° 50'	80° 16'	63070	STERN, ROBERT	FDEP	Class V Non-ASR	-	85	0	Biscayne	11/28/1984
6584	25° 46'	80° 17'	63842	K&L DEV. CORP	FDEP	Class V Non-ASR	-	85	85	Biscayne	9/5/1984
6585	25° 53'	80° 11'	63855	KEMPE APARTMENTS	FDEP	Class V Non-ASR	-	85	80	Biscayne	9/5/1984
6586	25° 42'	80° 17'	63093	STICH, RONALD	FDEP	Class V Non-ASR	-	85	0	Biscayne	11/28/1984
6587	25° 45'	80° 15'	63116	CENAL, RUBIN	FDEP	Class V Non-ASR	-	85	80	Biscayne	11/29/1984
6588	25° 45'	80° 15'	63118	CENAL, RUBIN	FDEP	Class V Non-ASR	-	85	85	Biscayne	11/29/1984

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
6589	25° 50'	80° 11'	63891	KNOXON MOTEL	FDEP	Class V Non-ASR	-	85	85	Biscayne	9/6/1984
6590	25° 44'	80° 15'	63916	MILTON, L.	FDEP	Class V Non-ASR	-	85	85	Biscayne	9/25/1984
6591	25° 42'	80° 17'	63229	CLOISTERS APARTMENTS	FDEP	Class V Non-ASR	-	85	85	Biscayne	1/3/1985
6592	25° 45'	80° 15'	63967	SCHMIDT, LEE	FDEP	Class V Non-ASR	-	85	85	Biscayne	9/26/1984
6593	25° 53'	80° 10'	63981	LAROSE, LEO	FDEP	Class V Non-ASR	-	85	85	Biscayne	9/26/1984
6594	25° 41'	80° 18'	63144	KENDALLWOOD APARTMENTS	FDEP	Class V Non-ASR	-	85	85	Biscayne	1/29/2008
6595	25° 41'	80° 18'	63147	KIRSNER, HYMAN	FDEP	Class V Non-ASR	-	85	85	Biscayne	12/28/1984
6596	25° 54'	80° 9'	63172	ASHLEY PLACE OF NORTH MIAMI	FDEP	Class V Non-ASR	-	85	0	Biscayne	1/17/1985
6597	25° 48'	80° 13'	63175	CARPENTER LOCAL UNION 1509	FDEP	Class V Non-ASR	-	85	0	Biscayne	1/17/1985
6598	25° 51'	80° 15'	64005	KAUFMAN, LEONARDO	FDEP	Class V Non-ASR	-	85	0	Biscayne	9/26/1984
6599	25° 48'	80° 17'	64033	BENNETT, LLOYD	FDEP	Class V Non-ASR	-	85	85	Biscayne	9/27/1984
6600	25° 45'	80° 18'	64073	LUDLAM PLAZA APARTMENTS	FDEP	Class V Non-ASR	-	85	80	Biscayne	10/4/1984
6601	25° 55'	80° 11'	63316	PAFOS CORP (DBA THE KNOBEL SCHOOL)	FDEP	Class V Non-ASR	-	85	80	Biscayne	1/29/2008
6602	25° 53'	80° 11'	64100	BELLOWS, M. G.	FDEP	Class V Non-ASR	-	85	85	Biscayne	10/5/1984
6603	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	85	71	Biscayne	6/18/2001
6604	25° 46'	80° 7'	84928	WASHINGTON RETAIL SHOPS	FDEP	Class V Non-ASR	-	85	41	Biscayne	2/29/2000
6605	25° 45'	80° 11'	87631	BRICKELL BAY PLAZA	FDEP	Class V Non-ASR	-	85	51	Biscayne	8/26/2002
6606	25° 46'	80° 7'	89117	BROWN'S HOTEL	FDEP	Class V Non-ASR	-	85	60	Biscayne	6/21/2002
6607	25° 47'	80° 8'	92304	ALTON SHOPPES	FDEP	Class V Non-ASR	-	85	60	Biscayne	1/20/2005
6608	25° 45'	80° 12'	92539	ROADS END VILLAGE	FDEP	Class V Non-ASR	-	85	74	Biscayne	2/22/2005
6609	25° 45'	80° 12'	92539	ROADS END VILLAGE	FDEP	Class V Non-ASR	-	85	76	Biscayne	2/22/2006
6610	25° 47'	80° 10'	91978	WATSON ISLAND SOUTH PARKING LOT	FDEP	Class V Non-ASR	-	85	55	Biscayne	5/25/2004
6611	25° 47'	80° 10'	91978	WATSON ISLAND SOUTH PARKING LOT	FDEP	Class V Non-ASR	-	85	55	Biscayne	5/24/2004
6612	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	85	65	Biscayne	3/19/2009
6613	25° 47'	80° 8'	94630	INDUSTRY FLATS	FDEP	Class V Non-ASR	-	85	70	Biscayne	4/2/2007
6614	25° 46'	80° 11'	93876	ICON BRICKELL	FDEP	Class V Non-ASR	-	85	60	Biscayne	3/16/2006
6615	25° 51'	80° 8'	94716	NORMANDY SHORES NEIGHBORHOOD NO 3	FDEP	Class V Non-ASR	-	85	58	Biscayne	3/18/2008
6616	25° 51'	80° 9'	94778	ELOQUENCE ON THE BAY	FDEP	Class V Non-ASR	-	85	65	Biscayne	11/5/2007
6617	25° 51'	80° 7'	94263	6800 INDIAN CREEK	FDEP	Class V Non-ASR	-	85	75	Biscayne	4/26/2019
6618	25° 46'	80° 8'	94415	421 MERIDIAN	FDEP	Class V Non-ASR	-	85	76	Biscayne	10/31/2006
6619	25° 46'	80° 7'	97688	APPLE HOTEL	FDEP	Class V Non-ASR	-	85	70	Biscayne	3/5/2009
6620	25° 43'	80° 14'	104400	KENNETH TREISTER/YACHT HARBOR CONDOMINIUM	FDEP	Class V Non-ASR	-	85	70	Biscayne	11/28/1973
6621	25° 46'	80° 13'	104316	JORGE M. GARCIA- VILLA VERDE APTS.	FDEP	Class V Non-ASR	-	85	80	Biscayne	1/1/1970
6622	25° 46'	80° 14'	104369	JORGE RAMIREZ	FDEP	Class V Non-ASR	-	85	80	Biscayne	1/1/1970
6623	25° 44'	80° 16'	104375	STEVE HESSEN	FDEP	Class V Non-ASR	-	85	80	Biscayne	1/1/1970
6624	25° 46'	80° 8'	105120	624 MICHIGAN AVE LLC	FDEP	Class V Non-ASR	-	85	65	Biscayne	7/10/2018
6625	25° 47'	80° 7'	102980	GREYSTONE HOTEL	FDEP	Class V Non-ASR	-	85	72	Biscayne	10/12/2016
6626	25° 47'	80° 14'	104341	JOSE PERELIS	FDEP	Class V Non-ASR	-	85	80	Biscayne	1/1/1970
6627	25° 49'	80° 11'	104348	WILLIAM NECKMAN - SABAL PALM APTS.	FDEP	Class V Non-ASR	-	85	80	Biscayne	1/1/1970
6628	25° 46'	80° 7'	102732	344 OCEAN	FDEP	Class V Non-ASR	-	85	70	Biscayne	5/19/2016
6629	25° 46'	80° 8'	103086	MORAVIA AT 250 COLLINS	FDEP	Class V Non-ASR	-	85	75	Biscayne	6/2/2017
6630	25° 47'	80° 8'	101908	PALAU SUNSET HARBOR	FDEP	Class V Non-ASR	-	86	76	Biscayne	7/15/2014
6631	25° 46'	80° 8'	101258	ONE OCEAN	FDEP	Class V Non-ASR	-	86	74	Biscayne	10/4/2013
6632	25° 46'	80° 8'	98516	WALGREENS STORE 10983	FDEP	Class V Non-ASR	-	86	60	Biscayne	8/2/2010
6633	25° 46'	80° 8'	99838	CITY OF MIAMI FLAMINGO-LUMMUS	FDEP	Class V Non-ASR	-	86	64	Biscayne	5/4/2011
6634	25° 45'	80° 12'	56835	RICKENBACKER CAUSEWAY IMPROVEMENTS	FDEP	Class V Non-ASR	-	86	77	Biscayne	9/14/1984
6635	25° 55'	80° 9'	56490	NORTH DIST. WWTP EXP PH I	FDEP	Class V Non-ASR	-	86	51	Biscayne	1/14/1992
6636	25° 55'	80° 9'	56577	MDWSD 2575 N.E. 151ST STREET	FDEP	Class V Non-ASR	-	86	50	Biscayne	10/2/1995
6637	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	86	66	Biscayne	2/15/2016
6638	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	86	66	Biscayne	1/15/2016
6639	25° 53'	80° 7'	102289	O RESIDENCES	FDEP	Class V Non-ASR	-	86	72	Biscayne	5/12/2015
6640	25° 53'	80° 7'	102289	O RESIDENCES	FDEP	Class V Non-ASR	-	86	72	Biscayne	5/26/2015
6641	25° 41'	80° 9'	57088	VILLAGE OF KEY BISCAYNE	FDEP	Class V Non-ASR	-	86	52	Biscayne	10/2/1995
6642	25° 46'	80° 7'	57098	BALLET VALET PARKING GARAGE	FDEP	Class V Non-ASR	-	86	41	Biscayne	2/14/1996
6643	25° 43'	80° 14'	60264	GRAND BAY PLAZA OFFICE BUILDING	FDEP	Class V Non-ASR	-	86	66	Biscayne	8/25/1983
6644	25° 47'	80° 12'	60300	LINDSEY HOPKINS TECH. EDUCATION CTR	FDEP	Class V Non-ASR	-	86	75	Biscayne	3/27/1984
6645	25° 48'	80° 19'	61131	KASKEL, DAVID	FDEP	Class V Non-ASR	-	86	83	Biscayne	8/31/1984
6646	25° 49'	80° 12'	61995	WINTERS-BECKER CORP.	FDEP	Class V Non-ASR	-	86	0	Biscayne	8/13/1984
6647	25° 46'	80° 8'	59896	FLORIDIAN OF MIAMI BEACH	FDEP	Class V Non-ASR	-	86	58	Biscayne	5/1/1997
6648	25° 47'	80° 7'	59900	CITIBANK MIAMI BEACH BRANCH	FDEP	Class V Non-ASR	-	86	63	Biscayne	11/4/1996
6649	25° 53'	80° 12'	60626	B.G. APARTMENTS	FDEP	Class V Non-ASR	-	86	82	Biscayne	8/2/1984
6650	25° 50'	80° 7'	59837	6550 COLLINS PLAZA	FDEP	Class V Non-ASR	-	86	43	Biscayne	7/9/1996
6651	25° 52'	80° 10'	60650	PASCIEZZI, BARBARA	FDEP	Class V Non-ASR	-	86	69	Biscayne	8/6/1984
6652	25° 44'	80° 15'	61477	THE COLLECTION	FDEP	Class V Non-ASR	-	86	80	Biscayne	1/4/1985
6653	25° 41'	80° 9'	61489	SHORHEHAM-NORMAN HOTEL	FDEP	Class V Non-ASR	-	86	73	Biscayne	7/20/1984
6654	25° 41'	80° 18'	61492	SIBA CORPORATION	FDEP	Class V Non-ASR	-	86	85	Biscayne	7/20/1984
6655	25° 51	80° 7'	60005	ROND POINT CONDO	FDEP	Class V Non-ASR	-	86	43	Biscayne	8/11/1998
6656	25° 44'	80° 17'	60800	CRANDON, C. H.	FDEP	Class V Non-ASR	-	86	80	Biscayne	8/16/1984
6657	25° 47'	80° 7'	60031	ROYAL PALM CROWNE PLAZA RESORT	FDEP	Class V Non-ASR	-	86	63	Biscayne	1/25/1999
6658	25° 47'	80° 7'	60031	ROYAL PALM CROWNE PLAZA RESORT	FDEP	Class V Non-ASR	-	86	47	Biscayne	1/25/1999
6659	25° 46'	80° 8'	60049	CORPORATE OFFICE	FDEP	Class V Non-ASR	-	86	71	Biscayne	4/18/1999
6660	25° 41'	80° 9'	62420	FARRAND CORP.	FDEP	Class V Non-ASR	-	86	74	Biscayne	9/24/1984
6661	25° 43'	80° 18'	61658	SYGREG, INC.	FDEP	Class V Non-ASR	-	86	84	Biscayne	7/24/1984
6662	25° 45'	80° 13'	62503	FOOD FAIR	FDEP	Class V Non-ASR	-	86	80	Biscayne	10/8/1984
6663	25° 43'	80° 14'	60180	KROLL WILSON COCONUT GROVE BAYSHORE	FDEP	Class V Non-ASR	-	86	82	Biscayne	8/31/1981
6664	25° 49'	80° 16'	64152	MARTINEZ, MARIO	FDEP	Class V Non-ASR	-	86	82	Biscayne	10/11/1984
6665	25° 48'	80° 16'	64275	MIAMI AIRWAYS HOTEL	FDEP	Class V Non-ASR	-	86	83	Biscayne	10/23/1984
6666	25° 50'	80° 11'	62755	PEPPER & COFFERIN, INC.	FDEP	Class V Non-ASR	-	86	84	Biscayne	10/25/1984
6667	25° 42'	80° 15'	62770	ABEL, PHILIP, M.D.	FDEP	Class V Non-ASR	-	86	82	Biscayne	10/26/1984
6668	25° 49'	80° 17'	63804	COREY, JOSEPH	FDEP	Class V Non-ASR	-	86	83	Biscayne	8/13/1984
6669	25° 46'	80° 11'	65450	FDOT STATE PROJECT NO.870006-3502	FDEP	Class V Non-ASR	-	86	61	Biscayne	1/14/1994
6670	25° 52'	80° 10'	65469	BISCAYNE BLVD. BRIDGE /CANAL (C-8)	FDEP	Class V Non-ASR	-	86	57	Biscayne	3/17/1994
6671	25° 52'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	86	44	Biscayne	6/23/1995
6672	25° 51'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	86	49	Biscayne	6/23/1995
6673	25° 47'	80° 10'	65512	WATSON ISLAND ACCESS ROAD	FDEP	Class V Non-ASR	-	86	51	Biscayne	9/22/1998
6674	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	86	71	Biscayne	4/19/2001
6675	25° 47'	80° 7'	86270	420 LINCOLN ROAD	FDEP	Class V Non-ASR	-	86	70	Biscayne	7/5/2011
6676	25° 54'	80° 9'	89623	ARCH CREEK ESTATES PH. I & II	FDEP	Class V Non-ASR	-	86	53	Biscayne	8/13/2003
6677	25° 43'	80° 15'	92805	BERMUDA VILLAGE	FDEP	Class V Non-ASR	-	86	64	Biscayne	10/3/2005

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
6678	25° 43'	80° 14'	91442	THE GROVE CLUB CONDOMINIUM	FDEP	Class V Non-ASR	-	86	61	Biscayne	1/23/2004
6679	25° 46'	80° 11'	93651	500 BRICKELL	FDEP	Class V Non-ASR	-	86	59	Biscayne	1/9/2006
6680	25° 46'	80° 7'	95379	FRANKLIN HOTEL	FDEP	Class V Non-ASR	-	86	64	Biscayne	10/16/2008
6681	25° 47'	80° 8'	95498	PEDESTRIAN MALL ON 1100 BLOCK OF LINCOLN ROAD	FDEP	Class V Non-ASR	-	86	72	Biscayne	2/6/2009
6682	25° 51'	80° 8'	94966	NORMANDY SHORES GOLF CLUB	FDEP	Class V Non-ASR	-	86	45	Biscayne	2/22/2008
6683	25° 51'	80° 8'	94966	NORMANDY SHORES GOLF CLUB	FDEP	Class V Non-ASR	-	86	45	Biscayne	3/17/2008
6684	25° 52'	80° 7'	102755	8701 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	86	66	Biscayne	4/18/2016
6685	25° 52'	80° 7'	102755	8701 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	86	66	Biscayne	4/22/2016
6686	25° 39'	80° 16'	102421	GULLIVER ACADEMY	FDEP	Class V Non-ASR	-	86	74	Biscayne	9/4/2015
6687	25° 46'	80° 11'	104292	R. M. VICKERS	FDEP	Class V Non-ASR	-	86	80	Biscayne	10/1/1971
6688	25° 46'	80° 8'	101258	ONE OCEAN	FDEP	Class V Non-ASR	-	87	67	Biscayne	10/2/2013
6689	25° 46'	80° 7'	101196	AVERY SMITH HOUSE	FDEP	Class V Non-ASR	-	87	77	Biscayne	8/30/2013
6690	25° 46'	80° 8'	99838	CITY OF MIAMI FLAMINGO-LUMMUS	FDEP	Class V Non-ASR	-	87	66	Biscayne	6/6/2011
6691	25° 47'	80° 13'	100638	METRO DADE JUSTICE CENTER	FDEP	Class V Non-ASR	-	87	32	Biscayne	3/14/1995
6692	25° 46'	80° 10'	59541	RCL INNOVATION LAB - ROYAL CARIBBEAN	FDEP	Class V Non-ASR	-	87	60	Biscayne	10/18/1994
6693	25° 46'	80° 10'	59541	RCL INNOVATION LAB - ROYAL CARIBBEAN	FDEP	Class V Non-ASR	-	87	61	Biscayne	10/18/1994
6694	25° 44'	80° 13'	58309	TREASURE TROVE PROPERTIES	FDEP	Class V Non-ASR	-	87	65	Biscayne	10/18/1990
6695	25° 54'	80° 9'	59114	COSTCO - NORTH MIAMI BEACH	FDEP	Class V Non-ASR	-	87	68	Biscayne	12/3/1992
6696	25° 54'	80° 9'	59114	COSTCO - NORTH MIAMI BEACH	FDEP	Class V Non-ASR	-	87	56	Biscayne	12/3/1992
6697	25° 45'	80° 8'	58422	FISHER ISLAND OCEANSIDE BLDG. 7	FDEP	Class V Non-ASR	-	87	72	Biscayne	9/5/1991
6698	25° 46'	80° 7'	57098	BALLET VALET PARKING GARAGE	FDEP	Class V Non-ASR	-	87	68	Biscayne	2/14/1996
6699	25° 46'	80° 15'	61846	WEST FLAGLER APARTMENTS	FDEP	Class V Non-ASR	-	87	84	Biscayne	9/24/1984
6700	25° 50'	80° 12'	61054	D & S REALTY	FDEP	Class V Non-ASR	-	87	82	Biscayne	8/28/1984
6701	25° 50'	80° 11'	61074	DADE COUNTY DAIRIES	FDEP	Class V Non-ASR	-	87	81	Biscayne	8/30/1984
6702	25° 48'	80° 11'	60366	MIAMI DECORATING & DESIGN PLAZA 3	FDEP	Class V Non-ASR	-	87	82	Biscayne	8/27/1985
6703	25° 47'	80° 11'	60684	SCHOCKETT, BEN	FDEP	Class V Non-ASR	-	87	87	Biscayne	8/7/1984
6704	25° 48'	80° 13'	61408	HAMILTON, SAM L. INC.	FDEP	Class V Non-ASR	-	87	81	Biscayne	7/18/1984
6705	25° 50'	80° 11'	61494	GOLDBERG, SIDNEY	FDEP	Class V Non-ASR	-	87	67	Biscayne	7/20/1984
6706	25° 51'	80° 7'	60006	STANLEY C. MYERS COMM. HLTH. CTR.	FDEP	Class V Non-ASR	-	87	44	Biscayne	2/5/1999
6707	25° 41'	80° 17'	61629	SUMMERHILL APARTMENTS, INC.	FDEP	Class V Non-ASR	-	87	84	Biscayne	7/23/1984
6708	25° 44'	80° 19'	64203	DAVER, MAXWELL	FDEP	Class V Non-ASR	-	87	84	Biscayne	10/16/1984
6709	25° 45'	80° 15'	63966	SCHMIDT, LEE	FDEP	Class V Non-ASR	-	87	85	Biscayne	9/26/1984
6710	25° 46'	80° 11'	65450	FDOT STATE PROJECT NO.870006-3502	FDEP	Class V Non-ASR	-	87	64	Biscayne	1/14/1994
6711	25° 52'	80° 10'	65469	BISCAYNE BLVD. BRIDGE /CANAL (C-8)	FDEP	Class V Non-ASR	-	87	47	Biscayne	1/18/1994
6712	25° 52'	80° 10'	65469	BISCAYNE BLVD. BRIDGE /CANAL (C-8)	FDEP	Class V Non-ASR	-	87	63	Biscayne	2/4/1994
6713	25° 45'	80° 11'	84580	FOUR SEASONS HOTEL & TOWER	FDEP	Class V Non-ASR	-	87	36	Biscayne	12/9/1999
6714	25° 45'	80° 11'	84580	FOUR SEASONS HOTEL & TOWER	FDEP	Class V Non-ASR	-	87	37	Biscayne	12/17/1999
6715	25° 45'	80° 11'	84580	FOUR SEASONS HOTEL & TOWER	FDEP	Class V Non-ASR	-	87	40	Biscayne	11/18/1999
6716	25° 45'	80° 11'	84580	FOUR SEASONS HOTEL & TOWER	FDEP	Class V Non-ASR	-	87	40	Biscayne	11/23/1999
6717	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	87	68	Biscayne	5/2/2001
6718	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	87	67	Biscayne	6/22/2001
6719	25° 47'	80° 7'	83455	SAGAMORE HOTEL	FDEP	Class V Non-ASR	-	87	66	Biscayne	7/22/1999
6720	25° 47'	80° 8'	86113	WESTSIDE BAYS/FELLIG WAREHOUSE	FDEP	Class V Non-ASR	-	87	63	Biscayne	8/21/2000
6721	25° 47'	80° 10'	88330	PARROT JUNGLE @ GARDENS @ WATSON ISLAND	FDEP	Class V Non-ASR	-	87	62	Biscayne	6/5/2002
6722	25° 46'	80° 8'	89700	MURANO MAXIMUS	FDEP	Class V Non-ASR	-	87	60	Biscayne	6/2/2003
6723	25° 51'	80° 7'	90497	MARSEILLE DRIVE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	87	37	Biscayne	2/3/2003
6724	25° 46'	80° 12'	90514	THE CITADEL APARTMENTS	FDEP	Class V Non-ASR	-	87	75	Biscayne	2/22/2003
6725	25° 46'	80° 8'	88445	THYSSEN BUILDING	FDEP	Class V Non-ASR	-	87	51	Biscayne	1/24/2002
6726	25° 47'	80° 7'	90625	DE SOLEIL SOUTH BEACH	FDEP	Class V Non-ASR	-	87	73	Biscayne	1/29/2004
6727	25° 51'	80° 7'	90007	NORTH SHORE PARK & YOUTH CENTER	FDEP	Class V Non-ASR	-	87	71	Biscayne	11/13/2002
6728	25° 46'	80° 7'	92402	OCEAN FIVE CONDO	FDEP	Class V Non-ASR	-	87	69	Biscayne	2/18/2005
6729	25° 51'	80° 9'	92633	360 CONDOMINIUM PHASE 1 & 2	FDEP	Class V Non-ASR	-	87	66	Biscayne	1/13/2005
6730	25° 46'	80° 8'	91294	SHOPS AT SOUTH BEACH	FDEP	Class V Non-ASR	-	87	63	Biscayne	1/21/2004
6731	25° 45'	80° 8'	94928	PALAZZO DEL SOL CONDOMINIUM	FDEP	Class V Non-ASR	-	87	77	Biscayne	8/1/2008
6732	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	87	65	Biscayne	10/15/2008
6733	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	87	65	Biscayne	1/22/2009
6734	25° 49'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	87	65	Biscayne	4/17/2009
6735	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	87	66	Biscayne	3/26/2009
6736	25° 47'	80° 8'	95437	730 LINCOLN RETAIL STORE	FDEP	Class V Non-ASR	-	87	74	Biscayne	1/13/2009
6737	25° 53'	80° 7'	94550	THE VILLAS AT BAY HARBOR	FDEP	Class V Non-ASR	-	87	65	Biscayne	1/18/2007
6738	25° 47'	80° 8'	95045	PRAIRIE LOFTS	FDEP	Class V Non-ASR	-	87	67	Biscayne	6/13/2008
6739	25° 51'	80° 7'	94716	NORMANDY SHORES NEIGHBORHOOD NO 3	FDEP	Class V Non-ASR	-	87	45	Biscayne	5/9/2008
6740	25° 51'	80° 9'	101267	BLU AT NORTH BAY VILLAGE	FDEP	Class V Non-ASR	-	88	70	Biscayne	10/1/2013
6741	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	88	81	Biscayne	8/12/2014
6742	25° 49'	80° 7'	102026	RITZ CARLTON RESIDENCES	FDEP	Class V Non-ASR	-	88	71	Biscayne	10/3/2014
6743	25° 49'	80° 10'	56477	CITY OF MIAMI, PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	88	63	Biscayne	9/5/1991
6744	25° 48'	80° 8'	56560	NAUTILUS MIDDLE SCHOOL	FDEP	Class V Non-ASR	-	88	65	Biscayne	6/20/1995
6745	25° 46'	80° 7'	59546	HOTEL ASTOR	FDEP	Class V Non-ASR	-	88	72	Biscayne	10/18/1994
6746	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	88	68	Biscayne	6/1/2007
6747	25° 41'	80° 9'	58316	LANAI APARTMENTS	FDEP	Class V Non-ASR	-	88	79	Biscayne	1/11/1991
6748	25° 53'	80° 7'	102289	O RESIDENCES	FDEP	Class V Non-ASR	-	88	62	Biscayne	5/7/2015
6749	25° 41'	80° 9'	57088	VILLAGE OF KEY BISCAYNE	FDEP	Class V Non-ASR	-	88	51	Biscayne	10/2/1995
6750	25° 41'	80° 9'	57088	VILLAGE OF KEY BISCAYNE	FDEP	Class V Non-ASR	-	88	56	Biscayne	8/29/2015
6751	25° 47'	80° 8'	57090	LINCOLN DISTRICT IMPROVEMENTS	FDEP	Class V Non-ASR	-	88	50	Biscayne	10/2/1995
6752	25° 45'	80° 11'	60225	BRICKELL AVENUE STATION MTR NO. 115	FDEP	Class V Non-ASR	-	88	75	Biscayne	11/2/1982
6753	25° 50'	80° 13'	61761	TROPICAL TRAILER PARK	FDEP	Class V Non-ASR	-	88	84	Biscayne	7/31/1984
6754	25° 54'	80° 13'	61779	UMCA	FDEP	Class V Non-ASR	-	88	84	Biscayne	8/1/1984
6755	25° 48'	80° 15'	61798	URQUHART APARTMENTS	FDEP	Class V Non-ASR	-	88	85	Biscayne	8/2/1984
6756	25° 44'	80° 12'	60305	MERCY HOSPITAL PARKING LOT	FDEP	Class V Non-ASR	-	88	77	Biscayne	4/3/1984
6757	25° 44'	80° 15'	61884	WALDEMERE HOMES, INC.	FDEP	Class V Non-ASR	-	88	81	Biscayne	8/7/1984
6758	25° 45'	80° 15'	60342	CREDIT BANK HEADQUARTERS	FDEP	Class V Non-ASR	-	88	67	Biscayne	2/19/1985
6759	25° 44'	80° 12'	60349	SISTER'S CONVENT	FDEP	Class V Non-ASR	-	88	75	Biscayne	2/11/1985
6760	25° 45'	80° 14'	60494	SANTOSNOSSO, ALEXANDER	FDEP	Class V Non-ASR	-	88	85	Biscayne	7/26/1984
6761	25° 45'	80° 8'	59817	ESTATES OF FISHER ISLAND	FDEP	Class V Non-ASR	-	88	64	Biscayne	5/20/1996
6762	25° 44'	80° 17'	61326	GRAD, EDWARD	FDEP	Class V Non-ASR	-	88	82	Biscayne	9/11/1984
6763	25° 46'	80° 17'	60607	ATLAS PROPERTIES, INC.	FDEP	Class V Non-ASR	-	88	84	Biscayne	8/2/1984
6764	25° 47'	80° 13'	61376	LEIFERT, S. C.	FDEP	Class V Non-ASR	-	88	80	Biscayne	7/18/1984
6765	25° 47'	80° 8'	59922	EPICURE MARKET	FDEP	Class V Non-ASR	-	88	80	Biscayne	12/30/1996
6766	25° 46'	80° 17'	62351	OPTIMO CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	88	84	Biscayne	11/15/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
6767	25° 52'	80° 7'	61619	STORES OF FLA. INC.	FDEP	Class V Non-ASR	-	88	81	Biscayne	7/23/1984
6768	25° 50'	80° 17'	62438	FIVE ASSOCIATES, INC.	FDEP	Class V Non-ASR	-	88	80	Biscayne	9/26/1984
6769	25° 46'	80° 14'	64187	CONNELL, MAURICE & ASSOCIATES	FDEP	Class V Non-ASR	-	88	12	Biscayne	10/15/1984
6770	25° 50'	80° 16'	63445	HIALEAH HOSPITAL	FDEP	Class V Non-ASR	-	88	80	Biscayne	7/6/1984
6771	25° 47'	80° 15'	64256	MIA. PAPER BRD. MILLS	FDEP	Class V Non-ASR	-	88	82	Biscayne	10/23/1984
6772	25° 50'	80° 17'	62708	PALM INDUSTRY CORP.	FDEP	Class V Non-ASR	-	88	85	Biscayne	11/14/1984
6773	25° 44'	80° 16'	63567	JONES, J.G.	FDEP	Class V Non-ASR	-	88	80	Biscayne	7/11/1984
6774	25° 46'	80° 12'	62768	PHILBRICK FUNERAL HOME	FDEP	Class V Non-ASR	-	88	81	Biscayne	10/26/1984
6775	25° 45'	80° 15'	63587	MALCOMB, J. L.	FDEP	Class V Non-ASR	-	88	85	Biscayne	7/12/1984
6776	25° 41'	80° 18'	63001	TUGG, RICHARD	FDEP	Class V Non-ASR	-	88	83	Biscayne	11/20/1984
6777	25° 46'	80° 12'	65315	I-95 RAMP WIDENING	FDEP	Class V Non-ASR	-	88	68	Biscayne	6/10/1986
6778	25° 46'	80° 11'	65322	BAYFRONT PARK REDEVELOPMENT - PH-11	FDEP	Class V Non-ASR	-	88	61	Biscayne	4/10/1986
6779	25° 48'	80° 11'	65347	BISCAYNE CREDIT BANK	FDEP	Class V Non-ASR	-	88	77	Biscayne	8/29/1986
6780	25° 51'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	88	49	Biscayne	6/23/1995
6781	25° 48'	80° 12'	63282	MCARTHUR DAIRY INC.	FDEP	Class V Non-ASR	-	88	86	Biscayne	1/14/1985
6782	25° 51	80° 7'	83624	COLLINS PARK CONDOMINIUM	FDEP	Class V Non-ASR	-	88	43	Biscayne	6/21/1999
6783	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	88	70	Biscayne	4/19/2001
6784	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	88	71	Biscayne	5/1/2001
6785	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	88	63	Biscayne	4/26/2001
6786	25° 53'	80° 7'	87492	CARROLL WALK CONDOMINIUM	FDEP	Class V Non-ASR	-	88	40	Biscayne	9/20/2001
6787	25° 47'	80° 7'	85360	RITZ CARLTON/DILIDO HOTEL	FDEP	Class V Non-ASR	-	88	71	Biscayne	6/12/2001
6788	25° 54'	80° 9'	89623	ARCH CREEK ESTATES PH. I & II	FDEP	Class V Non-ASR	-	88	65	Biscayne	8/21/2003
6789	25° 54'	80° 9'	88668	KEYSTONE PLAZA	FDEP	Class V Non-ASR	-	88	43	Biscayne	6/27/2002
6790	25° 53'	80° 7'	90981	BELLINI CONDOMINIUM	FDEP	Class V Non-ASR	-	88	54	Biscayne	8/2/2004
6791	25° 51'	80° 9'	92633	360 CONDOMINIUM PHASE 1 & 2	FDEP	Class V Non-ASR	-	88	66	Biscayne	1/7/2005
6792	25° 52'	80° 10'	91406	VILLAGE DEL MAR	FDEP	Class V Non-ASR	-	88	44	Biscayne	12/18/2003
6793	25° 45'	80° 11'	91376	PARK PLACE AT BRICKELL	FDEP	Class V Non-ASR	-	88	77	Biscayne	10/22/2003
6794	25° 45'	80° 8'	93628	PALAZZO DEL MARE CONDOMINIUM	FDEP	Class V Non-ASR	-	88	80	Biscayne	1/23/2006
6795	25° 52'	80° 8'	92151	EZRATTI RESIDENCE	FDEP	Class V Non-ASR	-	88	68	Biscayne	7/28/2004
6796	25° 47'	80° 7'	95363	NEW WORLD SYMPHONY	FDEP	Class V Non-ASR	-	88	68	Biscayne	7/7/2008
6797	25° 46	80° 8'	94484	VITRI CONDOMINIUM	FDEP	Class V Non-ASR	-	88	66	Biscayne	11/14/2006
6798	25° 41'	80° 9'	101874	101 SUNRISE DRIVE	FDEP	Class V Non-ASR	-	89	71	Biscayne	8/19/2014
6799	25° 44'	80° 12'	56835	RICKENBACKER CAUSEWAY IMPROVEMENTS	FDEP	Class V Non-ASR	-	89	80	Biscayne	9/7/1984
6800	25° 49'	80° 11'	56477	CITY OF MIAMI, PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	89	65	Biscayne	9/5/1991
6801	25° 54'	80° 9'	59114	COSTCO - NORTH MIAMI BEACH	FDEP	Class V Non-ASR	-	89	68	Biscayne	12/3/1992
6802	25° 54'	80° 9'	59114	COSTCO - NORTH MIAMI BEACH	FDEP	Class V Non-ASR	-	89	61	Biscayne	12/3/1992
6803	25° 51'	80° 8'	57123	CALAIS DRIVE	FDEP	Class V Non-ASR	-	89	55	Biscayne	9/15/1998
6804	25° 52'	80° 7'	57126	INDIAN CREEK GOVT. CENTER	FDEP	Class V Non-ASR	-	89	38	Biscayne	10/12/1998
6805	25° 41'	80° 9'	57088	VILLAGE OF KEY BISCAYNE	FDEP	Class V Non-ASR	-	89	51	Biscayne	10/2/1995
6806	25° 46'	80° 7'	57096	BANANA REPUBLIC	FDEP	Class V Non-ASR	-	89	69	Biscayne	2/14/1996
6807	25° 41'	80° 9'	57271	KEY BISCAYNE HOTEL & VILLAS	FDEP	Class V Non-ASR	-	89	81	Biscayne	8/3/1987
6808	25° 44'	80° 16'	62527	KLEBBA, FRANIC	FDEP	Class V Non-ASR	-	89	85	Biscayne	10/11/1984
6809	25° 45'	80° 11'	62528	DEZELL, FRANK	FDEP	Class V Non-ASR	-	89	80	Biscayne	10/12/1984
6810	25° 45'	80° 11'	60225	BRICKELL AVENUE STATION MTR NO. 115	FDEP	Class V Non-ASR	-	89	75	Biscayne	6/14/1983
6811	25° 46'	80° 8'	59654	THE COURTS AT SOUTH BEACH	FDEP	Class V Non-ASR	-	89	69	Biscayne	9/2/1995
6812	25° 44'	80° 15'	60433	WHITLEY, ADAM	FDEP	Class V Non-ASR	-	89	84	Biscayne	7/20/1984
6813	25° 51'	80° 16'	61415	ZARET, SAM	FDEP	Class V Non-ASR	-	89	85	Biscayne	7/18/1984
6814	25° 42'	80° 15'	62214	KRUEGER, HARRY A.	FDEP	Class V Non-ASR	-	89	85	Biscayne	9/21/1984
6815	25° 46'	80° 7'	59999	SOUTH BEACH HOTEL	FDEP	Class V Non-ASR	-	89	51	Biscayne	7/1/1998
6816	25° 43'	80° 18'	61661	SYRGREG, INC.	FDEP	Class V Non-ASR	-	89	84	Biscayne	7/24/1984
6817	25° 47'	80° 12'	63629	PASSOFF, JACK	FDEP	Class V Non-ASR	-	89	84	Biscayne	7/13/1984
6818	25° 46'	80° 17'	63665	COLROSS, JAMES	FDEP	Class V Non-ASR	-	89	85	Biscayne	7/19/1984
6819	25° 49'	80° 16'	63009	RIVERO FUNERAL HOME	FDEP	Class V Non-ASR	-	89	83	Biscayne	11/26/1984
6820	25° 46'	80° 12'	65315	I-95 RAMP WIDENING	FDEP	Class V Non-ASR	-	89	80	Biscayne	7/10/1986
6821	25° 45'	80° 11'	65340	SUN BANK	FDEP	Class V Non-ASR	-	89	71	Biscayne	7/3/1986
6822	25° 50'	80° 11'	63930	PERKINS, L. W.	FDEP	Class V Non-ASR	-	89	84	Biscayne	9/25/1984
6823	25° 53'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	89	74	Biscayne	7/28/1994
6824	25° 52'	80° 10'	65478	BISC.BLVD.BRIDGE /BISC.CANAL (C-8)	FDEP	Class V Non-ASR	-	89	53	Biscayne	6/21/1994
6825	25° 46'	80° 10'	65512	WATSON ISLAND ACCESS ROAD	FDEP	Class V Non-ASR	-	89	52	Biscayne	11/4/1998
6826	25° 50'	80° 7'	85301	LA GORCE COUNTRY CLUB	FDEP	Class V Non-ASR	-	89	46	Biscayne	5/11/2000
6827	25° 47'	80° 7'	85360	RITZ CARLTON/DILIDO HOTEL	FDEP	Class V Non-ASR	-	89	69	Biscayne	5/2/2001
6828	25° 46'	80° 8'	87970	THE COURTS AT SOUTH BEACH	FDEP	Class V Non-ASR	-	89	65	Biscayne	8/23/2001
6829	25° 47'	80° 7'	93663	ARTECITY	FDEP	Class V Non-ASR	-	89	78	Biscayne	3/21/2006
6830	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	89	68	Biscayne	12/12/2008
6831	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	89	64	Biscayne	3/11/2009
6832	25° 47'	80° 8'	94681	1111 LINCOLN ROAD	FDEP	Class V Non-ASR	-	89	63	Biscayne	7/1/2008
6833	25° 47'	80° 7'	94920	WEBSTER HOTEL	FDEP	Class V Non-ASR	-	89	77	Biscayne	1/4/2008
6834	25° 46'	80° 7'	95505	10TH STREET AUDITORIUM	FDEP	Class V Non-ASR	-	89	68	Biscayne	12/14/2008
6835	25° 45'	80° 8'	97920	FISHER ISLAND BEACH CLUB	FDEP	Class V Non-ASR	-	90	70	Biscayne	7/3/2009
6836	25° 47'	80° 12'	101816	SHOPPES OF CIVICA	FDEP	Class V Non-ASR	-	90	76	Biscayne	9/8/2014
6837	25° 46'	80° 8'	101393	TRG ALASKA III LLC MAREA	FDEP	Class V Non-ASR	-	90	72	Biscayne	11/13/2013
6838	25° 46'	80° 11'	101801	EAST COAST BUILDING	FDEP	Class V Non-ASR	-	90	75	Biscayne	8/12/2014
6839	25° 51	80° 7'	101385	PALAU NORTH BEACH LLC	FDEP	Class V Non-ASR	-	90	69	Biscayne	11/4/2013
6840	25° 53'	80° 7'	102301	AM TRUST BANK - 9564 HARDING AVENUE	FDEP	Class V Non-ASR	-	90	77	Biscayne	4/8/2016
6841	25° 45'	80° 11'	100915	MILLECENTO	FDEP	Class V Non-ASR	-	90	112	Biscayne	11/26/2012
6842	25° 49'	80° 11'	56477	CITY OF MIAMI, PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	90	63	Biscayne	9/5/1991
6843	25° 55'	80° 9'	56490	NORTH DIST. WWTP EXP PH I	FDEP	Class V Non-ASR	-	90	45	Biscayne	1/14/1992
6844	25° 46'	80° 11'	56494	CITY OF MIAMI B-4521 DTW IMP-PHASE II	FDEP	Class V Non-ASR	-	90	50	Biscayne	2/11/1992
6845	25° 46'	80° 11'	56494	CITY OF MIAMI B-4521 DTW IMP-PHASE II	FDEP	Class V Non-ASR	-	90	49	Biscayne	2/3/1992
6846	25° 55'	80° 9'	56577	MDWSD 2575 N.E. 151ST STREET	FDEP	Class V Non-ASR	-	90	57	Biscayne	10/2/1995
6847	25° 48'	80° 11'	102355	ONE PARAISO	FDEP	Class V Non-ASR	-	90	79	Biscayne	8/24/2015
6848	25° 41'	80° 9'	58137	GALEN BREAKERS CONDOMINIUM	FDEP	Class V Non-ASR	-	90	84	Biscayne	6/6/1990
6849	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	90	69	Biscayne	6/7/2007
6850	25° 51'	80° 7'	57106	SE NORMANDY ISLE ROADWAY IMPRO.	FDEP	Class V Non-ASR	-	90	50	Biscayne	5/20/1996
6851	25° 51'	80° 8'	57940	1975 NORMANDY	FDEP	Class V Non-ASR	-	90	78	Biscayne	8/24/1989
6852	25° 45'	80° 11'	59469	SANTA MARIA	FDEP	Class V Non-ASR	-	90	50	Biscayne	1/24/1995
6853	25° 47'	80° 12'	61707	MEEHAN, THOMAS A., INC.	FDEP	Class V Non-ASR	-	90	85	Biscayne	7/30/1984
6854	25° 45'	80° 12'	61756	TROJAN LOUNGE	FDEP	Class V Non-ASR	-	90	80	Biscayne	7/31/1984
6855	25° 41'	80° 17'	62543	KLEBBA, FRANK	FDEP	Class V Non-ASR	-	90	85	Biscayne	10/15/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
6856	25° 44'	80° 18'	62547	KLEBBA, FRANK	FDEP	Class V Non-ASR	-	90	85	Biscayne	10/15/1984
6857	25° 46'	80° 11'	60204	SOUTHEAST FINANCIAL CENTER	FDEP	Class V Non-ASR	-	90	88	Biscayne	10/12/1982
6858	25° 43'	80° 14'	60993	COMM. RESEARCH INSTITUTE	FDEP	Class V Non-ASR	-	90	80	Biscayne	8/23/1984
6859	25° 48'	80° 17'	60994	COMMANDER APARTMENTS	FDEP	Class V Non-ASR	-	90	85	Biscayne	8/23/1984
6860	25° 50'	80° 9'	61766	TULIP REALTY, CO.	FDEP	Class V Non-ASR	-	90	85	Biscayne	7/31/1984
6861	25° 45'	80° 15'	62589	SNOWMAN, FRED	FDEP	Class V Non-ASR	-	90	85	Biscayne	10/18/1984
6862	25° 53'	80° 7'	60245	TOWN OF BAY HARBOR ISLANDS	FDEP	Class V Non-ASR	-	90	54	Biscayne	5/21/1983
6863	25° 46'	80° 17'	61021	COUTURE APARTMENTS	FDEP	Class V Non-ASR	-	90	84	Biscayne	8/24/1984
6864	25° 50'	80° 11'	61033	CRYSTAL SPRINGS WATER	FDEP	Class V Non-ASR	-	90	83	Biscayne	8/27/1984
6865	25° 45'	80° 16'	61822	VILLA CORTEZ MOTEL	FDEP	Class V Non-ASR	-	90	84	Biscayne	8/2/1984
6866	25° 50'	80° 8'	60302	EL MADRID-ON-THE-BAY	FDEP	Class V Non-ASR	-	90	75	Biscayne	4/13/1984
6867	25° 51'	80° 8'	61055	KRUGER, A. D.	FDEP	Class V Non-ASR	-	90	0	Biscayne	8/28/1984
6868	25° 48'	80° 15'	61093	DADE TRAILER PARK	FDEP	Class V Non-ASR	-	90	0	Biscayne	8/30/1984
6869	25° 45'	80° 12'	61902	MAGA, WALTER & LOTTIE	FDEP	Class V Non-ASR	-	90	80	Biscayne	8/8/1984
6870	25° 46'	80° 8'	59654	THE COURTS AT SOUTH BEACH	FDEP	Class V Non-ASR	-	90	70	Biscayne	9/2/1995
6871	25° 50'	80° 18'	61145	MILLEDGE, DEBLOIS	FDEP	Class V Non-ASR	-	90	0	Biscayne	8/31/1984
6872	25° 48'	80° 17'	61939	GOODMAN, WILHELMINE	FDEP	Class V Non-ASR	-	90	85	Biscayne	8/10/1984
6873	25° 51'	80° 7'	61975	RATNOFF, WILLIAM	FDEP	Class V Non-ASR	-	90	80	Biscayne	8/13/1984
6874	25° 44'	80° 15'	61200	STAPLES, DOUGLAS E.	FDEP	Class V Non-ASR	-	90	90	Biscayne	9/4/1984
6875	25° 46'	80° 15'	61215	DR. SORKIN	FDEP	Class V Non-ASR	-	90	85	Biscayne	9/5/1984
6876	25° 46'	80° 16'	62016	ZSIRAI APARTMENTS	FDEP	Class V Non-ASR	-	90	85	Biscayne	8/14/1984
6877	25° 50'	80° 18'	62039	CAPUTO, GENE	FDEP	Class V Non-ASR	-	90	85	Biscayne	11/16/1984
6878	25° 44'	80° 18'	62045	ANTHONY, GEORGE	FDEP	Class V Non-ASR	-	90	80	Biscayne	11/16/1984
6879	25° 48'	80° 7'	60503	ALGIERS HOTEL	FDEP	Class V Non-ASR	-	90	78	Biscayne	7/27/1984
6880	25° 46'	80° 17'	61268	DURO PUMP AND WELL	FDEP	Class V Non-ASR	-	90	0	Biscayne	9/6/1984
6881	25° 46'	80° 16'	62084	SUTCLIFF, GERALD C.	FDEP	Class V Non-ASR	-	90	85	Biscayne	11/16/1984
6882	25° 44'	80° 17'	61327	GRAD, EDWARD	FDEP	Class V Non-ASR	-	90	84	Biscayne	9/11/1984
6883	25° 47'	80° 12'	62140	GRAVES CONSTR. CO., INC.	FDEP	Class V Non-ASR	-	90	80	Biscayne	11/16/1984
6884	25° 47'	80° 7'	59913	1500 OCEAN DR/OCEAN STEPS	FDEP	Class V Non-ASR	-	90	72	Biscayne	7/18/1997
6885	25° 46'	80° 16'	60667	BEL AIRE APARTMENTS	FDEP	Class V Non-ASR	-	90	85	Biscayne	11/13/1984
6886	25° 45'	80° 13'	60694	BENN-MOSS CORP.	FDEP	Class V Non-ASR	-	90	84	Biscayne	8/7/1984
6887	25° 47'	80° 14'	61467	SHAW BROS. OIL CO.	FDEP	Class V Non-ASR	-	90	0	Biscayne	7/19/1984
6888	25° 45'	80° 15'	62269	SIEGAL, NATHAN	FDEP	Class V Non-ASR	-	90	75	Biscayne	10/3/1984
6889	25° 50'	80° 12'	62306	NORTHWEST PROPERTIES INC.	FDEP	Class V Non-ASR	-	90	84	Biscayne	11/15/1984
6890	25° 46'	80° 7'	59999	SOUTH BEACH HOTEL	FDEP	Class V Non-ASR	-	90	52	Biscayne	8/25/1998
6891	25° 46'	80° 7'	60745	BLACKSTONE HOTEL	FDEP	Class V Non-ASR	-	90	0	Biscayne	8/10/1984
6892	25° 49'	80° 11'	60773	MERRITT, BRUCE	FDEP	Class V Non-ASR	-	90	82	Biscayne	8/15/1984
6893	25° 54'	80° 9'	61546	SONKEN GALAMBA CORP.	FDEP	Class V Non-ASR	-	90	0	Biscayne	3/4/2008
6894	25° 42'	80° 17'	62347	OLSON APARTMENTS	FDEP	Class V Non-ASR	-	90	85	Biscayne	10/15/1984
6895	25° 50'	80° 17'	62355	CALABRESE, ORLANDO M.	FDEP	Class V Non-ASR	-	90	85	Biscayne	10/15/1984
6896	25° 48'	80° 15'	62367	EMBRY-RIDDLE COMPANY	FDEP	Class V Non-ASR	-	90	90	Biscayne	9/21/1984
6897	25° 47'	80° 12'	62393	EXPERT DAIRY PRODUCTS	FDEP	Class V Non-ASR	-	90	0	Biscayne	9/24/1984
6898	25° 47'	80° 11'	62397	F.D.R. PARK	FDEP	Class V Non-ASR	-	90	90	Biscayne	9/24/1984
6899	25° 41'	80° 9'	60024	VILLAGE OF KEY BISCAYNE	FDEP	Class V Non-ASR	-	90	76	Biscayne	12/18/1999
6900	25° 47'	80° 7'	60029	SASSON ON THE OCEAN	FDEP	Class V Non-ASR	-	90	62	Biscayne	11/24/2003
6901	25° 51'	80° 11'	60847	CARL'S MARKET	FDEP	Class V Non-ASR	-	90	0	Biscayne	8/17/1984
6902	25° 47'	80° 18'	60102	AIR WORK CORPORATION	FDEP	Class V Non-ASR	-	90	90	Biscayne	1/17/1985
6903	25° 46'	80° 11'	60130	COLLEGE PLAZA	FDEP	Class V Non-ASR	-	90	85	Biscayne	5/4/1981
6904	25° 46'	80° 11'	60136	MIAMI CENTER	FDEP	Class V Non-ASR	-	90	80	Biscayne	4/25/1981
6905	25° 43'	80° 18'	61662	SYRGREG, INC.	FDEP	Class V Non-ASR	-	90	85	Biscayne	7/25/1984
6906	25° 44'	80° 14'	61667	ELLINGTON, T.	FDEP	Class V Non-ASR	-	90	0	Biscayne	7/25/1984
6907	25° 53'	80° 9'	61705	VOYAGER MOTEL, THE	FDEP	Class V Non-ASR	-	90	85	Biscayne	12/19/1957
6908	25° 51'	80° 11'	63352	TROPICAL CHEVROLET, INC.	FDEP	Class V Non-ASR	-	90	90	Biscayne	1/15/1985
6909	25° 53'	80° 11'	63367	SCHWARTZBERG, MURRAY	FDEP	Class V Non-ASR	-	90	85	Biscayne	1/7/1985
6910	25° 46'	80° 14'	63374	HEAT REALTY COMPANY	FDEP	Class V Non-ASR	-	90	85	Biscayne	7/5/1984
6911	25° 44'	80° 15'	64156	MYERS, MARK	FDEP	Class V Non-ASR	-	90	0	Biscayne	10/11/1984
6912	25° 44'	80° 18'	64157	MARK XX CORPORATION	FDEP	Class V Non-ASR	-	90	85	Biscayne	10/11/1984
6913	25° 52'	80° 14'	64163	MARTIN CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	90	0	Biscayne	10/12/1984
6914	25° 52'	80° 11'	64188	FANCHER, MAURICE D.	FDEP	Class V Non-ASR	-	90	0	Biscayne	10/15/1984
6915	25° 42'	80° 16'	63425	BROWN, HERBERT	FDEP	Class V Non-ASR	-	90	90	Biscayne	7/6/1984
6916	25° 49'	80° 16'	63447	HIALEAH MANOR APTS.	FDEP	Class V Non-ASR	-	90	85	Biscayne	7/6/1984
6917	25° 51'	80° 11'	64265	MIAMI SHORES MEDICAL CENTER	FDEP	Class V Non-ASR	-	90	87	Biscayne	10/23/1984
6918	25° 48'	80° 16'	64271	MIA. TRAVELER'S HOT.	FDEP	Class V Non-ASR	-	90	87	Biscayne	10/23/1984
6919	25° 45'	80° 11'	64280	MIAMI MODERN HOMES	FDEP	Class V Non-ASR	-	90	85	Biscayne	10/23/1984
6920	25° 45'	80° 15'	62698	GILMORE, P.J.	FDEP	Class V Non-ASR	-	90	85	Biscayne	11/14/1984
6921	25° 46'	80° 15'	63508	IDEAL PROPERTIES, INC.	FDEP	Class V Non-ASR	-	90	84	Biscayne	7/9/1984
6922	25° 45'	80° 17'	63521	LICHTER, IRA	FDEP	Class V Non-ASR	-	90	84	Biscayne	7/9/1984
6923	25° 41'	80° 19'	64334	MOORING INVESTIMATE COMPANY	FDEP	Class V Non-ASR	-	90	85	Biscayne	10/25/1984
6924	25° 47'	80° 7'	62790	PLYMOUTH HOTEL	FDEP	Class V Non-ASR	-	90	0	Biscayne	11/14/1984
6925	25° 39'	80° 17'	64378	KENNEDY, MR. O. A.	FDEP	Class V Non-ASR	-	90	0	Biscayne	10/29/1984
6926	25° 44'	80° 13'	63619	SCHIEFF, JACK E.	FDEP	Class V Non-ASR	-	90	0	Biscayne	7/13/1984
6927	25° 44'	80° 16'	64406	MAROON, H. T.	FDEP	Class V Non-ASR	-	90	0	Biscayne	10/30/1984
6928	25° 50'	80° 11'	63696	JAMES W. VOORHUS	FDEP	Class V Non-ASR	-	90	0	Biscayne	7/25/1984
6929	25° 48'	80° 17'	63708	JENNINGS CONSTRUSTION CORPORATION	FDEP	Class V Non-ASR	-	90	85	Biscayne	7/31/1984
6930	25° 53'	80° 11'	62999	BENNETT, RICHARD R.	FDEP	Class V Non-ASR	-	90	85	Biscayne	11/20/1984
6931	25° 41'	80° 18'	63000	TUGG, RICHARD	FDEP	Class V Non-ASR	-	90	85	Biscayne	11/20/1984
6932	25° 45'	80° 14'	63796	MILTON, JOSE	FDEP	Class V Non-ASR	-	90	85	Biscayne	8/10/1984
6933	25° 42'	80° 15'	63810	HANRATTY, JOSEPH J.	FDEP	Class V Non-ASR	-	90	84	Biscayne	1/3/1996
6934	25° 45'	80° 13'	63038	ROBERT EHMANN, INC.	FDEP	Class V Non-ASR	-	90	90	Biscayne	11/27/1984
6935	25° 44'	80° 13'	63056	RICO, ROBERT L.	FDEP	Class V Non-ASR	-	90	0	Biscayne	11/27/1984
6936	25° 41'	80° 19'	63856	KEN DADE APTS.	FDEP	Class V Non-ASR	-	90	85	Biscayne	9/5/1984
6937	25° 41'	80° 19'	63861	KENDALL PARK APTS.	FDEP	Class V Non-ASR	-	90	89	Biscayne	9/5/1984
6938	25° 41'	80° 19'	63861	KENDALL PARK APTS.	FDEP	Class V Non-ASR	-	90	86	Biscayne	9/5/1984
6939	25° 41'	80° 19'	63861	KENDALL PARK APTS.	FDEP	Class V Non-ASR	-	90	85	Biscayne	9/5/1984
6940	25° 41'	80° 19'	63861	KENDALL PARK APTS.	FDEP	Class V Non-ASR	-	90	85	Biscayne	9/5/1984
6941	25° 44'	80° 14'	63873	KIMZAY OF FLORIDA, INC.	FDEP	Class V Non-ASR	-	90	85	Biscayne	9/6/1984
6942	25° 48'	80° 7'	63884	KISER DRILLING CO.	FDEP	Class V Non-ASR	-	90	0	Biscayne	9/6/1984
6943	25° 47'	80° 11'	63945	LANDMARK DEVELOPMENT CORP.	FDEP	Class V Non-ASR	-	90	85	Biscayne	9/25/1984
6944	25° 51'	80° 12'	63949	LARCHMONT GARDENS	FDEP	Class V Non-ASR	-	90	0	Biscayne	9/25/1984

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
6945	25° 51'	80° 7'	63957	LAWRENCE SALES CORP.	FDEP	Class V Non-ASR	-	90	50	Biscayne	9/25/1984
6946	25° 55'	80° 9'	65449	FDOT-STATE PROJECT NO. 87030-3573	FDEP	Class V Non-ASR	-	90	49	Biscayne	1/14/1994
6947	25° 47'	80° 8'	65459	FDOT-ALTON ROAD SOUTH OF 19 ST. MIA.BCH	FDEP	Class V Non-ASR	-	90	67	Biscayne	12/7/1992
6948	25° 52'	80° 10'	65469	BISCAYNE BLVD. BRIDGE /CANAL (C-8)	FDEP	Class V Non-ASR	-	90	53	Biscayne	6/21/1994
6949	25° 45'	80° 12'	64017	DECARLO, LEWIS	FDEP	Class V Non-ASR	-	90	0	Biscayne	9/27/1984
6950	25° 45'	80° 14'	64037	LOMBARD REALTY COMPANY	FDEP	Class V Non-ASR	-	90	0	Biscayne	10/4/1984
6951	25° 51'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	90	65	Biscayne	6/23/1995
6952	25° 52'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	90	62	Biscayne	6/23/1995
6953	25° 46'	80° 10'	65512	WATSON ISLAND ACCESS ROAD	FDEP	Class V Non-ASR	-	90	52	Biscayne	10/8/1998
6954	25° 46'	80° 10'	65512	WATSON ISLAND ACCESS ROAD	FDEP	Class V Non-ASR	-	90	52	Biscayne	10/5/1998
6955	25° 51'	80° 14'	63237	27TH AVE. MOTEL	FDEP	Class V Non-ASR	-	90	85	Biscayne	1/3/1985
6956	25° 50'	80° 18'	64047	SALERNO, LOUIS A.	FDEP	Class V Non-ASR	-	90	85	Biscayne	10/4/1984
6957	25° 50'	80° 18'	64057	SALERNO, LOUIS I.	FDEP	Class V Non-ASR	-	90	85	Biscayne	10/4/1984
6958	25° 52'	80° 11'	63299	ADVENT LUTHERAN CH.	FDEP	Class V Non-ASR	-	90	84	Biscayne	1/9/1985
6959	25° 54'	80° 7'	94909	HAULOVER MARINA	FDEP	Class V Non-ASR	-	90	54	Biscayne	1/4/2008
6960	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	90	70	Biscayne	4/23/2001
6961	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	90	71	Biscayne	5/7/2001
6962	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	90	68	Biscayne	5/7/2001
6963	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	90	68	Biscayne	6/27/2001
6964	25° 47'	80° 8'	86689	FDOT MERIDIAN AVENUE BRIDGE	FDEP	Class V Non-ASR	-	90	66	Biscayne	9/2/2000
6965	25° 47'	80° 7'	85999	CARLYLE HOTEL	FDEP	Class V Non-ASR	-	90	63	Biscayne	3/2/2001
6966	25° 47'	80° 8'	86439	GRAND VENETIAN CONDOMINIUM	FDEP	Class V Non-ASR	-	90	67	Biscayne	4/18/2001
6967	25° 47'	80° 10'	88330	PARROT JUNGLE @ GARDENS @ WATSON ISLAND	FDEP	Class V Non-ASR	-	90	58	Biscayne	4/24/2002
6968	25° 50'	80° 11'	88583	MCARTHUR DAIRY-DEAN FOODS PLANT	FDEP	Class V Non-ASR	-	90	86	Biscayne	1/1/1970
6969	25° 46'	80° 8'	92239	REGIUS PROPERTIES, INC.	FDEP	Class V Non-ASR	-	90	70	Biscayne	10/7/2004
6970	25° 46'	80° 7'	92404	CAPTIVA LIMITED	FDEP	Class V Non-ASR	-	90	81	Biscayne	11/13/2005
6971	25° 50'	80° 9'	92633	360 CONDOMINIUM PHASE 1 & 2	FDEP	Class V Non-ASR	-	90	66	Biscayne	12/29/2004
6972	25° 50'	80° 9'	92633	360 CONDOMINIUM PHASE 1 & 2	FDEP	Class V Non-ASR	-	90	67	Biscayne	1/6/2005
6973	25° 47'	80° 7'	93663	ARTECITY	FDEP	Class V Non-ASR	-	90	78	Biscayne	3/1/2006
6974	25° 53'	80° 8'	94469	MILLENNIUM AT BAY HARBOR ISLANDS II	FDEP	Class V Non-ASR	-	90	62	Biscayne	1/11/2007
6975	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	90	68	Biscayne	1/14/2009
6976	25° 49'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	90	64	Biscayne	11/12/2008
6977	25° 49'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	90	64	Biscayne	11/20/2008
6978	25° 49'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	90	64	Biscayne	11/25/2008
6979	25° 46'	80° 11'	93876	ICON BRICKELL	FDEP	Class V Non-ASR	-	90	60	Biscayne	3/29/2006
6980	25° 51'	80° 11'	94251	SHORES VILLAS CONDOMINIUM WWTF	FDEP	Class V Non-ASR	-	90	80	Biscayne	6/5/1980
6981	25° 47'	80° 8'	94935	VENETIAN SUBSTATION	FDEP	Class V Non-ASR	-	90	69	Biscayne	3/6/2008
6982	25° 48'	80° 7'	105296	SAMANTHA HOTEL SUITES	FDEP	Class V Non-ASR	-	90	83	Biscayne	12/4/2018
6983	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	90	75	Biscayne	9/12/2018
6984	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	90	75	Biscayne	9/10/2018
6985	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	90	75	Biscayne	9/8/2018
6986	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	90	75	Biscayne	9/6/2018
6987	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	90	75	Biscayne	9/5/2018
6988	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	90	75	Biscayne	9/10/2018
6989	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	90	75	Biscayne	9/7/2018
6990	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	90	75	Biscayne	9/4/2018
6991	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	90	75	Biscayne	9/10/2018
6992	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	90	75	Biscayne	9/5/2018
6993	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	90	75	Biscayne	9/9/2018
6994	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	90	75	Biscayne	9/7/2018
6995	25° 44'	80° 15'	102987	MODERA STATION PH 2	FDEP	Class V Non-ASR	-	90	81	Biscayne	10/5/2016
6996	25° 46'	80° 8'	101393	TRG ALASKA III LLC MAREA	FDEP	Class V Non-ASR	-	91	71	Biscayne	9/20/2013
6997	25° 46'	80° 8'	101393	TRG ALASKA III LLC MAREA	FDEP	Class V Non-ASR	-	91	71	Biscayne	11/7/2013
6998	25° 51'	80° 7'	101385	PALAU NORTH BEACH LLC	FDEP	Class V Non-ASR	-	91	65	Biscayne	10/30/2013
6999	25° 50'	80° 7'	101385	PALAU NORTH BEACH LLC	FDEP	Class V Non-ASR	-	91	70	Biscayne	10/7/2013
7000	25° 51'	80° 7'	56812	BISCAYNE ELEMENTARY	FDEP	Class V Non-ASR	-	91	60	Biscayne	12/5/1997
7001	25° 47'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	91	64	Biscayne	5/4/1993
7002	25° 43'	80° 14'	57519	TERREMARK CENTRE (GENERAL DEV. CORP)	FDEP	Class V Non-ASR	-	91	78	Biscayne	2/8/1988
7003	25° 38'	80° 17'	58322	DEERING BAY	FDEP	Class V Non-ASR	-	91	40	Biscayne	10/24/1990
7004	25° 51'	80° 7'	57082	S.E.NORMANDY ISLES IMPROVEMENTS	FDEP	Class V Non-ASR	-	91	50	Biscayne	6/23/1995
7005	25° 45'	80° 11'	60225	BRICKELL AVENUE STATION MTR NO. 115	FDEP	Class V Non-ASR	-	91	78	Biscayne	6/15/1983
7006	25° 43'	80° 18'	62655	GEMINI DEVELOPMENT CORP.	FDEP	Class V Non-ASR	-	91	85	Biscayne	10/24/1984
7007	25° 50'	80° 8'	60302	EL MADRID-ON-THE-BAY	FDEP	Class V Non-ASR	-	91	77	Biscayne	4/6/1984
7008	25° 47'	80° 12'	60382	MENDOZA, A. G.	FDEP	Class V Non-ASR	-	91	85	Biscayne	6/28/1984
7009	25° 47'	80° 18'	60445	AIR WORK CORP.	FDEP	Class V Non-ASR	-	91	84	Biscayne	7/20/1984
7010	25° 43'	80° 16'	60580	WALL, ARNOLD	FDEP	Class V Non-ASR	-	91	89	Biscayne	8/1/1984
7011	25° 43'	80° 15'	61307	EAST KINGS WAY,INC.	FDEP	Class V Non-ASR	-	91	72	Biscayne	9/10/1984
7012	25° 51'	80° 11'	61331	LANE, EDWARD	FDEP	Class V Non-ASR	-	91	85	Biscayne	9/11/1984
7013	25° 53'	80° 7'	60664	BEEKMAN TOWERS	FDEP	Class V Non-ASR	-	91	86	Biscayne	8/6/1984
7014	25° 52'	80° 7'	61472	STREAM, SHELBY	FDEP	Class V Non-ASR	-	91	76	Biscayne	7/19/1984
7015	25° 53'	80° 7'	60004	ONE BAL HARBOUR (HARBOUR HOUSE APTS (N & S)	FDEP	Class V Non-ASR	-	91	53	Biscayne	7/31/1998
7016	25° 53'	80° 7'	60004	ONE BAL HARBOUR (HARBOUR HOUSE APTS (N & S)	FDEP	Class V Non-ASR	-	91	51	Biscayne	5/26/1998
7017	25° 44'	80° 13'	60127	GROVE ISLAND PHASE 2	FDEP	Class V Non-ASR	-	91	73	Biscayne	12/26/1980
7018	25° 45'	80° 17'	64191	BERGER, MAX	FDEP	Class V Non-ASR	-	91	85	Biscayne	10/15/1984
7019	25° 46'	80° 11'	64253	MIA. LAUNDRY	FDEP	Class V Non-ASR	-	91	86	Biscayne	10/22/1984
7020	25° 45'	80° 13'	64351	BARKOOT	FDEP	Class V Non-ASR	-	91	84	Biscayne	10/29/1984
7021	25° 45'	80° 15'	62735	GILMORE, PATRICK J.	FDEP	Class V Non-ASR	-	91	85	Biscayne	10/19/1984
7022	25° 46'	80° 17'	63092	STICH, RONALD	FDEP	Class V Non-ASR	-	91	85	Biscayne	11/28/1984
7023	25° 50'	80° 11'	65464	FDOT 87030-3581 NE77 ST - NE78 ST	FDEP	Class V Non-ASR	-	91	56	Biscayne	2/14/1996
7024	25° 51'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	91	47	Biscayne	6/23/1995
7025	25° 46'	80° 10'	65512	WATSON ISLAND ACCESS ROAD	FDEP	Class V Non-ASR	-	91	52	Biscayne	10/30/1998
7026	25° 45'	80° 11'	63317	THE PALACE CONDOMINIUM ASSOC.	FDEP	Class V Non-ASR	-	91	79	Biscayne	1/11/1981
7027	25° 50'	80° 9'	84583	BUDGET MINI STORAGE	FDEP	Class V Non-ASR	-	91	70	Biscayne	12/23/1999
7028	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	91	80	Biscayne	9/18/2001
7029	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	91	71	Biscayne	4/23/2001
7030	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	91	73	Biscayne	5/2/2001
7031	25° 46'	80° 8'	85577	ATLANTIC CENTER	FDEP	Class V Non-ASR	-	91	65	Biscayne	6/12/2000
7032	25° 46'	80° 8'	87020	SUNDANCE CONDOMINIUM	FDEP	Class V Non-ASR	-	91	70	Biscayne	9/21/2001
7033	25° 46'	80° 8'	87970	THE COURTS AT SOUTH BEACH	FDEP	Class V Non-ASR	-	91	69	Biscayne	8/7/2001

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
7034	25° 46'	80° 11'	88706	ONE RIVERVIEW SQUARE	FDEP	Class V Non-ASR	-	91	43	Biscayne	8/1/2002
7035	25° 46'	80° 9'	89487	MORGAN RESIDENCE	FDEP	Class V Non-ASR	-	91	51	Biscayne	7/31/2002
7036	25° 52'	80° 10'	88454	TOWNHOMES OF QUAYSIDE (BAYFRONT & LAKESIDE)	FDEP	Class V Non-ASR	-	91	63	Biscayne	12/18/2001
7037	25° 47'	80° 7'	93663	ARTECITY	FDEP	Class V Non-ASR	-	91	81	Biscayne	3/31/2006
7038	25° 48'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	91	62	Biscayne	8/16/2008
7039	25° 48'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	91	66	Biscayne	8/21/2008
7040	25° 48'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	91	64	Biscayne	8/8/2008
7041	25° 48'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	91	63	Biscayne	8/20/2008
7042	25° 48'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	91	64	Biscayne	8/6/2008
7043	25° 47'	80° 7'	94655	WASHINGTON AVE & 16TH ST DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	91	74	Biscayne	4/30/2007
7044	25° 46'	80° 8'	94412	NINE 45 CONDOMINIUM	FDEP	Class V Non-ASR	-	91	73	Biscayne	6/6/2008
7045	25° 47'	80° 8'	103201	1824 ALTON RD.	FDEP	Class V Non-ASR	-	91	71	Biscayne	2/3/2017
7046	25° 53'	80° 7'	102706	GRAND BEACH HOTEL	FDEP	Class V Non-ASR	-	91	68	Biscayne	3/10/2016
7047	25° 53'	80° 7'	102706	GRAND BEACH HOTEL	FDEP	Class V Non-ASR	-	91	67	Biscayne	2/12/2016
7048	25° 47'	80° 8'	100273	BANK UNITED A FEDERAL SAVINGS ASSOC.	FDEP	Class V Non-ASR	-	92	66	Biscayne	12/14/2011
7049	25° 51	80° 7'	101385	PALAU NORTH BEACH LLC	FDEP	Class V Non-ASR	-	92	66	Biscayne	10/25/2013
7050	25° 53'	80° 7'	101115	YOUNG ISRAEL OF BAL HARBOUR	FDEP	Class V Non-ASR	-	92	74	Biscayne	6/28/2013
7051	25° 49'	80° 7'	102026	RITZ CARLTON RESIDENCES	FDEP	Class V Non-ASR	-	92	76	Biscayne	8/26/2015
7052	25° 46	80° 11'	56795	WOLFSON CAMPUS/MDCC	FDEP	Class V Non-ASR	-	92	50	Biscayne	2/14/1996
7053	25° 51'	80° 7'	56812	BISCAYNE ELEMENTARY	FDEP	Class V Non-ASR	-	92	74	Biscayne	11/26/1997
7054	25° 55'	80° 9'	56577	MDWSD 2575 N.E. 151ST STREET	FDEP	Class V Non-ASR	-	92	51	Biscayne	10/2/1995
7055	25° 48'	80° 11'	102355	ONE PARAISO	FDEP	Class V Non-ASR	-	92	79	Biscayne	8/26/2015
7056	25° 53'	80° 7'	59517	PRU SHEL MAJESTIC TOWERS	FDEP	Class V Non-ASR	-	92	84	Biscayne	2/3/1995
7057	25° 38'	80° 17'	58322	DEERING BAY	FDEP	Class V Non-ASR	-	92	25	Biscayne	11/12/1991
7058	25° 38'	80° 17'	58322	DEERING BAY	FDEP	Class V Non-ASR	-	92	25	Biscayne	11/18/1990
7059	25° 55'	80° 7'	57044	HAULOVER BEACH PARKING LOT NO. 2	FDEP	Class V Non-ASR	-	92	58	Biscayne	12/23/1991
7060	25° 47'	80° 8'	57090	LINCOLN DISTRICT IMPROVEMENTS	FDEP	Class V Non-ASR	-	92	50	Biscayne	10/2/1995
7061	25° 46'	80° 8'	59456	SOUTH POINTE, PHASE I	FDEP	Class V Non-ASR	-	92	77	Biscayne	8/21/1986
7062	25° 47'	80° 12'	57400	JACKSON MEMORIAL HOSPITAL	FDEP	Class V Non-ASR	-	92	71	Biscayne	12/16/1987
7063	25° 47'	80° 12'	58068	CIVIC CENTER STORM SEWER RETRO FIT	FDEP	Class V Non-ASR	-	92	71	Biscayne	4/10/1990
7064	25° 53'	80° 9'	60240	FDOT 87030-1555 SR5/US1 AND IXORA LANE	FDEP	Class V Non-ASR	-	92	80	Biscayne	7/19/1983
7065	25° 50'	80° 11'	61837	GLASS, W.A.	FDEP	Class V Non-ASR	-	92	83	Biscayne	8/3/1984
7066	25° 50'	80° 8'	61934	WHITE STAR REALTY	FDEP	Class V Non-ASR	-	92	78	Biscayne	8/9/1984
7067	25° 45'	80° 11'	59677	BRICKELL HOUSE CONDO	FDEP	Class V Non-ASR	-	92	68	Biscayne	10/15/2012
7068	25° 46'	80° 8'	59758	PORTOFINO TOWER	FDEP	Class V Non-ASR	-	92	70	Biscayne	4/11/1996
7069	25° 50'	80° 11'	60493	RADACKI, ALEXANDER	FDEP	Class V Non-ASR	-	92	88	Biscayne	7/26/1984
7070	25° 53'	80° 10'	60578	GOODMAN, ARNOLD	FDEP	Class V Non-ASR	-	92	88	Biscayne	8/1/1984
7071	25° 47'	80° 7'	59866	IL VILLAGGIO CONDOM. & RETAIL	FDEP	Class V Non-ASR	-	92	68	Biscayne	9/12/1996
7072	25° 49'	80° 16'	60671	BELLOMY-LAWSON AVIATION	FDEP	Class V Non-ASR	-	92	81	Biscayne	8/6/1984
7073	25° 53'	80° 8'	60673	ALTER, BEN	FDEP	Class V Non-ASR	-	92	81	Biscayne	8/6/1984
7074	25° 46'	80° 12'	62247	HARVEY'S FOOD SHOPS	FDEP	Class V Non-ASR	-	92	83	Biscayne	9/28/1984
7075	25° 47'	80° 7'	59929	LOEWS	FDEP	Class V Non-ASR	-	92	76	Biscayne	5/2/1997
7076	25° 45	80° 18'	60732	BILTMORE GARDENS TRAILER PARK	FDEP	Class V Non-ASR	-	92	84	Biscayne	8/9/1984
7077	25° 53'	80° 7'	60004	ONE BAL HARBOUR (HARBOUR HOUSE APTS (N & S)	FDEP	Class V Non-ASR	-	92	52	Biscayne	7/8/1998
7078	25° 53'	80° 7'	60004	ONE BAL HARBOUR (HARBOUR HOUSE APTS (N & S)	FDEP	Class V Non-ASR	-	92	52	Biscayne	7/21/1998
7079	25° 46'	80° 15'	62316	OCCUPANT (BERKSHIRE HOUSE)	FDEP	Class V Non-ASR	-	92	86	Biscayne	10/9/1984
7080	25° 54'	80° 11'	60833	CAPRI BUILDERS	FDEP	Class V Non-ASR	-	92	86	Biscayne	8/17/1984
7081	25° 52'	80° 7'	61646	SURF CLUB	FDEP	Class V Non-ASR	-	92	81	Biscayne	6/7/1977
7082	25° 44'	80° 13'	60127	GROVE ISLAND PHASE 2	FDEP	Class V Non-ASR	-	92	77	Biscayne	4/24/1980
7083	25° 45'	80° 8'	60140	ISLAND DEVELOPERS LTD. WATER SHED A	FDEP	Class V Non-ASR	-	92	80	Biscayne	2/3/1982
7084	25° 48'	80° 16'	64237	MIAMI AIRWAYS HOTEL	FDEP	Class V Non-ASR	-	92	82	Biscayne	10/22/1984
7085	25° 46'	80° 13'	62753	PENQUIN COOLING SYSTEMS	FDEP	Class V Non-ASR	-	92	0	Biscayne	11/14/1984
7086	25° 46'	80° 17'	63657	COLROSS, JAMES	FDEP	Class V Non-ASR	-	92	85	Biscayne	7/19/1984
7087	25° 42'	80° 17'	63887	KLEBBA APARTMENTS	FDEP	Class V Non-ASR	-	92	85	Biscayne	9/6/1984
7088	25° 48'	80° 15'	63956	MARKS, LAWRENCE	FDEP	Class V Non-ASR	-	92	85	Biscayne	9/25/1984
7089	25° 49'	80° 15'	63980	GCWAU, LEO	FDEP	Class V Non-ASR	-	92	92	Biscayne	9/26/1984
7090	25° 53'	80° 8'	65451	FDOT 87066-3507 KANE CON TO 96TH ST.	FDEP	Class V Non-ASR	-	92	63	Biscayne	11/10/1993
7091	25° 46'	80° 10'	65512	WATSON ISLAND ACCESS ROAD	FDEP	Class V Non-ASR	-	92	52	Biscayne	7/20/1999
7092	25° 45'	80° 11'	87411	COLONIAL BANK CENTER	FDEP	Class V Non-ASR	-	92	62	Biscayne	4/29/2001
7093	25° 49'	80° 7'	85301	LA GORCE COUNTRY CLUB	FDEP	Class V Non-ASR	-	92	40	Biscayne	4/24/2000
7094	25° 46'	80° 8'	85433	NEVILLE CONDOMINIUM	FDEP	Class V Non-ASR	-	92	62	Biscayne	12/1/2000
7095	25° 51'	80° 7'	90007	NORTH SHORE PARK & YOUTH CENTER	FDEP	Class V Non-ASR	-	92	55	Biscayne	9/26/2002
7096	25° 53'	80° 7'	92345	EAGLE NATIONAL BANK	FDEP	Class V Non-ASR	-	92	66	Biscayne	8/23/2006
7097	25° 47'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	92	71	Biscayne	6/14/2005
7098	25° 53'	80° 8'	94469	MILLENNIUM AT BAY HARBOR ISLANDS II	FDEP	Class V Non-ASR	-	92	62	Biscayne	1/18/2007
7099	25° 53'	80° 8'	94469	MILLENNIUM AT BAY HARBOR ISLANDS II	FDEP	Class V Non-ASR	-	92	62	Biscayne	1/19/2007
7100	25° 48'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	92	64	Biscayne	1/2/2009
7101	25° 48'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	92	63	Biscayne	12/17/2008
7102	25° 48'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	92	63	Biscayne	12/22/2008
7103	25° 44'	80° 13'	95486	RESIDENCES AT VIZCAYA	FDEP	Class V Non-ASR	-	92	75	Biscayne	10/14/2008
7104	25° 47'	80° 7'	94655	WASHINGTON AVE & 16TH ST DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	92	75	Biscayne	5/6/2007
7105	25° 41'	80° 10'	93865	RANDER RESIDENCE	FDEP	Class V Non-ASR	-	92	83	Biscayne	6/25/2006
7106	25° 53'	80° 7'	102984	PALM VILLAS AT BAY HARBOR	FDEP	Class V Non-ASR	-	92	67	Biscayne	8/10/2016
7107	25° 41'	80° 9'	102435	K-8 DRAINAGE IMPROVEMENT PROJECT	FDEP	Class V Non-ASR	-	92	70	Biscayne	7/17/2015
7108	25° 41'	80° 10'	102435	K-8 DRAINAGE IMPROVEMENT PROJECT	FDEP	Class V Non-ASR	-	92	70	Biscayne	7/17/2015
7109	25° 47'	80° 12'	101816	SHOPPES OF CIVICA	FDEP	Class V Non-ASR	-	93	78	Biscayne	8/25/2014
7110	25° 51'	80° 7'	99860	PUBLIX SUPER MARKETS STORE 1382	FDEP	Class V Non-ASR	-	93	76	Biscayne	10/20/2011
7111	25° 52'	80° 7'	99864	SURFSIDE DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	93	57	Biscayne	5/1/2012
7112	25° 49'	80° 7'	102026	RITZ CARLTON RESIDENCES	FDEP	Class V Non-ASR	-	93	70	Biscayne	10/3/2014
7113	25° 38'	80° 17'	58322	DEERING BAY	FDEP	Class V Non-ASR	-	93	24	Biscayne	11/2/1990
7114	25° 47'	80° 12'	56988	CITY OF MIAMI NW 8 STR.HWY RD IMPVT	FDEP	Class V Non-ASR	-	93	74	Biscayne	8/26/1987
7115	25° 46'	80° 12'	57013	PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	93	80	Biscayne	6/13/1990
7116	25° 51'	80° 7'	57082	S.E.NORMANDY ISLES IMPROVEMENTS	FDEP	Class V Non-ASR	-	93	46	Biscayne	6/23/1995
7117	25° 51'	80° 7'	57082	S.E.NORMANDY ISLES IMPROVEMENTS	FDEP	Class V Non-ASR	-	93	40	Biscayne	6/23/1995
7118	25° 47'	80° 12'	58068	CIVIC CENTER STORM SEWER RETRO FIT	FDEP	Class V Non-ASR	-	93	74	Biscayne	4/24/1990
7119	25° 48'	80° 11'	61793	UNIVERSAL FOOD PROD.	FDEP	Class V Non-ASR	-	93	84	Biscayne	8/1/1984
7120	25° 46'	80° 11'	60353	LINCOLN CENTRE	FDEP	Class V Non-ASR	-	93	73	Biscayne	2/4/1985
7121	25° 45'	80° 17'	61115	DANKERS MOTEL COURT, INC.	FDEP	Class V Non-ASR	-	93	88	Biscayne	8/31/1984
7122	25° 47'	80° 7'	61159	FAIRFAX HOTEL	FDEP	Class V Non-ASR	-	93	72	Biscayne	1/7/2015

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Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
7123	25° 50'	80° 11'	60482	ALDA MOTEL	FDEP	Class V Non-ASR	-	93	87	Biscayne	7/26/1984
7124	25° 45'	80° 8'	59817	ESTATES OF FISHER ISLAND	FDEP	Class V Non-ASR	-	93	60	Biscayne	5/20/1996
7125	25° 54'	80° 10'	60549	AIELLO, ANTHONY	FDEP	Class V Non-ASR	-	93	85	Biscayne	7/31/1984
7126	25° 45'	80° 13'	60560	APEX CLEANERS	FDEP	Class V Non-ASR	-	93	85	Biscayne	7/31/1984
7127	25° 46'	80° 12'	60612	AUTOMATIC LAUNDRY	FDEP	Class V Non-ASR	-	93	93	Biscayne	8/2/1984
7128	25° 47'	80° 7'	59866	IL VILLAGGIO CONDOM. & RETAIL	FDEP	Class V Non-ASR	-	93	73	Biscayne	9/12/1996
7129	25° 47'	80° 13'	62220	FORMAN, HARRY	FDEP	Class V Non-ASR	-	93	77	Biscayne	11/19/1984
7130	25° 51'	80° 11'	62311	HOLLAND, O. J.	FDEP	Class V Non-ASR	-	93	86	Biscayne	11/15/1984
7131	25° 44'	80° 12'	59967	MERCY HOSPITAL	FDEP	Class V Non-ASR	-	93	76	Biscayne	10/28/1997
7132	25° 51'	80° 7'	59970	ST. TROPEZ	FDEP	Class V Non-ASR	-	93	30	Biscayne	11/21/1997
7133	25° 44'	80° 20'	61579	ST. JOHN VIANNEY SEMINARY	FDEP	Class V Non-ASR	-	93	86	Biscayne	7/20/1984
7134	25° 47'	80° 7'	60025	SHORE CLUB	FDEP	Class V Non-ASR	-	93	77	Biscayne	2/8/1999
7135	25° 46'	80° 11'	60136	MIAMI CENTER	FDEP	Class V Non-ASR	-	93	80	Biscayne	6/4/1981
7136	25° 46'	80° 12'	61689	TESSARDMATIS REALTY	FDEP	Class V Non-ASR	-	93	82	Biscayne	7/25/1984
7137	25° 52'	80° 10'	65469	BISCAYNE BLVD. BRIDGE /CANAL (C-8)	FDEP	Class V Non-ASR	-	93	71	Biscayne	2/28/1994
7138	25° 47'	80° 10'	65512	WATSON ISLAND ACCESS ROAD	FDEP	Class V Non-ASR	-	93	52	Biscayne	9/30/1998
7139	25° 54'	80° 7'	94909	HAULOVER MARINA	FDEP	Class V Non-ASR	-	93	60	Biscayne	12/17/2007
7140	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	93	70	Biscayne	7/2/2001
7141	25° 53'	80° 7'	84948	FDOT SR922/NE96 ST. & SRAIA/COLLINS AVE.	FDEP	Class V Non-ASR	-	93	40	Biscayne	8/14/2001
7142	25° 47'	80° 7'	85360	RITZ CARLTON/DILIDO HOTEL	FDEP	Class V Non-ASR	-	93	67	Biscayne	5/8/2001
7143	25° 46'	80° 7'	87637	THE CLEVLAND HOTEL	FDEP	Class V Non-ASR	-	93	60	Biscayne	6/14/2002
7144	25° 46'	80° 8'	86971	555 WASHINGTON PROJECT	FDEP	Class V Non-ASR	-	93	62	Biscayne	1/30/2001
7145	25° 46'	80° 7'	89708	THE VICTOR HOTEL	FDEP	Class V Non-ASR	-	93	60	Biscayne	8/9/2002
7146	25° 53'	80° 7'	90496	PUBLIX AT SURFSIDE	FDEP	Class V Non-ASR	-	93	62	Biscayne	1/20/2003
7147	25° 45'	80° 8'	89127	FISHER ISLAND BAYVIEW # 8	FDEP	Class V Non-ASR	-	93	50	Biscayne	5/11/2002
7148	25° 51'	80° 9'	93806	THE ADAGIO	FDEP	Class V Non-ASR	-	93	89	Biscayne	11/4/2006
7149	25° 47'	80° 11'	93234	OPERA TOWER	FDEP	Class V Non-ASR	-	93	59	Biscayne	9/26/2006
7150	25° 46'	80° 8'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	93	75	Biscayne	10/27/2005
7151	25° 46'	80° 11'	92895	NEO VERTIKA	FDEP	Class V Non-ASR	-	93	83	Biscayne	5/10/2005
7152	25° 47'	80° 18'	94433	AIR WORK CORPORATION	FDEP	Class V Non-ASR	-	93	81	Biscayne	1/1/1959
7153	25° 45'	80° 8'	94928	PALAZZO DEL SOL CONDOMINIUM	FDEP	Class V Non-ASR	-	93	78	Biscayne	8/12/2008
7154	25° 47'	80° 12'	94913	UNIVERSITY OF MIAMI MEDICAL STAFF PARKING GARAGE	FDEP	Class V Non-ASR	-	93	80	Biscayne	6/8/2008
7155	25° 47'	80° 7'	94655	WASHINGTON AVE & 16TH ST DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	93	76	Biscayne	4/25/2007
7156	25° 51'	80° 7'	94716	NORMANDY SHORES NEIGHBORHOOD NO 3	FDEP	Class V Non-ASR	-	93	75	Biscayne	4/23/2008
7157	25° 45'	80° 11'	94125	GLASS LOFTS AT BRICKELL	FDEP	Class V Non-ASR	-	93	80	Biscayne	9/15/2006
7158	25° 46'	80° 10'	97670	PARKING GARAGE FOR CRUISE TERMINAL D	FDEP	Class V Non-ASR	-	93	69	Biscayne	2/11/2009
7159	25° 48'	80° 8'	104803	SUNSET ISLAND RESIDENCE	FDEP	Class V Non-ASR	-	93	66	Biscayne	11/5/2017
7160	25° 47'	80° 7'	101619	CENTURIAN COLLINS AVE LLC	FDEP	Class V Non-ASR	-	94	76	Biscayne	2/21/2014
7161	25° 47'	80° 7'	100718	THE GALE HOTEL	FDEP	Class V Non-ASR	-	94	81	Biscayne	7/27/2012
7162	25° 50'	80° 7'	101385	PALAU NORTH BEACH LLC	FDEP	Class V Non-ASR	-	94	76	Biscayne	10/11/2013
7163	25° 52'	80° 7'	99864	SURFSIDE DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	94	56	Biscayne	4/27/2012
7164	25° 52'	80° 7'	99864	SURFSIDE DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	94	65	Biscayne	9/17/2012
7165	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	94	88	Biscayne	8/12/2014
7166	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	94	77	Biscayne	8/12/2014
7167	25° 49'	80° 11'	56477	CITY OF MIAMI, PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	94	63	Biscayne	9/5/1991
7168	25° 49'	80° 11'	56477	CITY OF MIAMI, PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	94	63	Biscayne	9/5/1991
7169	25° 55'	80° 9'	56490	NORTH DIST. WWTP EXP PH I	FDEP	Class V Non-ASR	-	94	50	Biscayne	1/14/1992
7170	25° 53'	80° 9'	57413	PALMS APARTMENTS	FDEP	Class V Non-ASR	-	94	77	Biscayne	9/23/1987
7171	25° 46'	80° 10'	59541	RCL INNOVATION LAB - ROYAL CARIBBEAN	FDEP	Class V Non-ASR	-	94	60	Biscayne	11/28/2016
7172	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	94	65	Biscayne	4/10/1992
7173	25° 46'	80° 7'	57109	CITY OF MIAMI BEACH - WASH. AVE.	FDEP	Class V Non-ASR	-	94	60	Biscayne	11/5/1996
7174	25° 51'	80° 8'	57123	CALAIS DRIVE	FDEP	Class V Non-ASR	-	94	61	Biscayne	9/4/1998
7175	25° 47'	80° 8'	58471	BLOCKBUSTER PLAZA	FDEP	Class V Non-ASR	-	94	78	Biscayne	3/20/1991
7176	25° 51'	80° 7'	57082	S.E.NORMANDY ISLES IMPROVEMENTS	FDEP	Class V Non-ASR	-	94	38	Biscayne	6/23/1995
7177	25° 47'	80° 13'	58068	CIVIC CENTER STORM SEWER RETRO FIT	FDEP	Class V Non-ASR	-	94	60	Biscayne	5/8/1990
7178	25° 47'	80° 13'	58068	CIVIC CENTER STORM SEWER RETRO FIT	FDEP	Class V Non-ASR	-	94	77	Biscayne	4/17/1990
7179	25° 47'	80° 13'	58068	CIVIC CENTER STORM SEWER RETRO FIT	FDEP	Class V Non-ASR	-	94	78	Biscayne	4/16/1990
7180	25° 46'	80° 11'	60204	SOUTHEAST FINANCIAL CENTER	FDEP	Class V Non-ASR	-	94	87	Biscayne	10/12/1982
7181	25° 51'	80° 10'	61135	LITHGOW,DAVID	FDEP	Class V Non-ASR	-	94	85	Biscayne	8/31/1984
7182	25° 51'	80° 7'	59688	LAS DELICIAS CONDOMINIUM	FDEP	Class V Non-ASR	-	94	85	Biscayne	8/9/1995
7183	25° 41	80° 10'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	94	59	Biscayne	3/12/2018
7184	25° 47'	80° 7'	59866	IL VILLAGGIO CONDOM. & RETAIL	FDEP	Class V Non-ASR	-	94	69	Biscayne	9/12/1996
7185	25° 47'	80° 7'	59929	LOEWS	FDEP	Class V Non-ASR	-	94	80	Biscayne	5/2/1997
7186	25° 49'	80° 16'	60729	WILLIAMS, BILL	FDEP	Class V Non-ASR	-	94	88	Biscayne	8/9/1984
7187	25° 48'	80° 13'	62320	OCCUPANT	FDEP	Class V Non-ASR	-	94	88	Biscayne	10/9/1984
7188	25° 53'	80° 7'	62511	FOOD STORES-FLA.	FDEP	Class V Non-ASR	-	94	84	Biscayne	10/11/1984
7189	25° 45	80° 18'	64242	MIAMI FL. CONGREGATION - JEHOVAS WT.	FDEP	Class V Non-ASR	-	94	90	Biscayne	10/22/1984
7190	25° 46'	80° 11'	63467	HOTEL EVERGLADES	FDEP	Class V Non-ASR	-	94	91	Biscayne	7/6/1984
7191	25° 48'	80° 15'	62818	CHENEY, R.B.	FDEP	Class V Non-ASR	-	94	90	Biscayne	11/1/1984
7192	25° 48'	80° 7'	62732	PATRICIAN HOTEL	FDEP	Class V Non-ASR	-	94	77	Biscayne	10/19/1984
7193	25° 50'	80° 7'	62746	ROWLE, PAUL	FDEP	Class V Non-ASR	-	94	85	Biscayne	10/25/1984
7194	25° 44'	80° 13'	65339	L'HERMITAGE	FDEP	Class V Non-ASR	-	94	61	Biscayne	7/18/1986
7195	25° 52'	80° 10'	65469	BISCAYNE BLVD. BRIDGE /CANAL (C-8)	FDEP	Class V Non-ASR	-	94	54	Biscayne	1/6/1994
7196	25° 52'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	94	63	Biscayne	6/23/1995
7197	25° 47'	80° 7'	85376	EDGEWATER BEACH HOTEL	FDEP	Class V Non-ASR	-	94	63	Biscayne	5/19/2001
7198	25° 45'	80° 11'	89456	BRICKELL BAY VILLAGE APTS.	FDEP	Class V Non-ASR	-	94	81	Biscayne	8/1/2002
7199	25° 47'	80° 10'	88330	PARROT JUNGLE @ GARDENS @ WATSON ISLAND	FDEP	Class V Non-ASR	-	94	51	Biscayne	5/14/2002
7200	25° 51'	80° 7'	90007	NORTH SHORE PARK & YOUTH CENTER	FDEP	Class V Non-ASR	-	94	60	Biscayne	10/7/2002
7201	25° 46'	80° 8'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	94	63	Biscayne	12/21/2005
7202	25° 46'	80° 8'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	94	66	Biscayne	7/5/2005
7203	25° 46'	80° 8'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	94	69	Biscayne	6/23/2005
7204	25° 46'	80° 8'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	94	64	Biscayne	11/20/2005
7205	25° 46'	80° 8'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	94	68	Biscayne	8/21/2005
7206	25° 46'	80° 8'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	94	66	Biscayne	11/10/2005
7207	25° 46'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	94	63	Biscayne	5/10/2005
7208	25° 46'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	94	62	Biscayne	4/28/2005
7209	25° 47'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	94	64	Biscayne	5/20/2005
7210	25° 43'	80° 15'	92805	BERMUDA VILLAGE	FDEP	Class V Non-ASR	-	94	65	Biscayne	10/1/2005
7211	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	94	63	Biscayne	9/6/2008

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
7212	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	94	65	Biscayne	10/21/2008
7213	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	94	64	Biscayne	10/3/2008
7214	25° 48'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	94	63	Biscayne	8/16/2008
7215	25° 46'	80° 10'	97670	PARKING GARAGE FOR CRUISE TERMINAL D	FDEP	Class V Non-ASR	-	94	69	Biscayne	2/13/2009
7216	25° 44'	80° 15'	102987	MODERA STATION PH 2	FDEP	Class V Non-ASR	-	94	80	Biscayne	10/14/2016
7217	25° 46'	80° 7'	101475	321 OCEAN	FDEP	Class V Non-ASR	-	95	65	Biscayne	7/23/2014
7218	25° 46'	80° 7'	101475	321 OCEAN	FDEP	Class V Non-ASR	-	95	67	Biscayne	7/23/2014
7219	25° 47'	80° 8'	100444	BARRY BRODSKY	FDEP	Class V Non-ASR	-	95	55	Biscayne	7/12/2012
7220	25° 47'	80° 8'	101908	PALAU SUNSET HARBOR	FDEP	Class V Non-ASR	-	95	75	Biscayne	8/26/2014
7221	25° 51'	80° 9'	101267	BLU AT NORTH BAY VILLAGE	FDEP	Class V Non-ASR	-	95	64	Biscayne	10/14/2013
7222	25° 47'	80° 9'	101742	ZANGRILLO RESIDENCE	FDEP	Class V Non-ASR	-	95	61	Biscayne	4/18/2014
7223	25° 45'	80° 8'	100458	FISHER ISLAND CLUB, INC.	FDEP	Class V Non-ASR	-	95	65	Biscayne	1/1/1982
7224	25° 45'	80° 8'	100458	FISHER ISLAND CLUB, INC.	FDEP	Class V Non-ASR	-	95	65	Biscayne	1/1/1982
7225	25° 52'	80° 7'	99864	SURFSIDE DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	95	65	Biscayne	8/24/2012
7226	25° 47'	80° 7'	100419	RIVIERA LOFTS HOTEL	FDEP	Class V Non-ASR	-	95	81	Biscayne	4/4/2012
7227	25° 48'	80° 11'	101725	26 PLAZA AT NE 25 STREET	FDEP	Class V Non-ASR	-	95	85	Biscayne	5/20/2014
7228	25° 47'	80° 7'	102035	PLYMOUTH HOTEL	FDEP	Class V Non-ASR	-	95	78	Biscayne	9/26/2012
7229	25° 49'	80° 7'	102026	RITZ CARLTON RESIDENCES	FDEP	Class V Non-ASR	-	95	70	Biscayne	9/15/2015
7230	25° 47'	80° 7'	101239	LENNOX HOTEL	FDEP	Class V Non-ASR	-	95	81	Biscayne	10/9/2013
7231	25° 47'	80° 7'	101239	LENNOX HOTEL	FDEP	Class V Non-ASR	-	95	83	Biscayne	7/9/2014
7232	25° 47'	80° 7'	101239	LENNOX HOTEL	FDEP	Class V Non-ASR	-	95	82	Biscayne	11/7/2013
7233	25° 52'	80° 10'	56807	BISCAYNE SHORES	FDEP	Class V Non-ASR	-	95	58	Biscayne	5/1/1997
7234	25° 52'	80° 10'	56807	BISCAYNE SHORES	FDEP	Class V Non-ASR	-	95	58	Biscayne	5/1/1997
7235	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	95	75	Biscayne	8/16/2017
7236	25° 46'	80° 7'	57475	WASHINGTON STORAGE TOWERS ADDITIONS	FDEP	Class V Non-ASR	-	95	62	Biscayne	3/2/1989
7237	25° 47'	80° 8'	59585	PALOMAR HOTEL FKA BOSTON CHICKEN-ALTON ROAD	FDEP	Class V Non-ASR	-	95	75	Biscayne	5/17/1995
7238	25° 47'	80° 8'	59046	1443 ALTON ROAD SHOPS	FDEP	Class V Non-ASR	-	95	77	Biscayne	7/22/1992
7239	25° 46'	80° 10'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	95	75	Biscayne	2/7/2014
7240	25° 46'	80° 10'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	95	75	Biscayne	2/11/2014
7241	25° 46'	80° 10'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	95	75	Biscayne	2/13/2014
7242	25° 47'	80° 8'	57076	MIAMI, CITY OF, FLAMINGO PARK	FDEP	Class V Non-ASR	-	95	69	Biscayne	10/18/1994
7243	25° 45'	80° 8'	57882	FISHER ISLAND HARBOR VIEW BLDGS 1-4	FDEP	Class V Non-ASR	-	95	72	Biscayne	8/19/1989
7244	25° 46'	80° 8'	59456	SOUTH POINTE, PHASE I	FDEP	Class V Non-ASR	-	95	80	Biscayne	6/15/1985
7245	25° 47'	80° 7'	58066	RITZ PLAZA HOTEL	FDEP	Class V Non-ASR	-	95	83	Biscayne	5/4/1990
7246	25° 47'	80° 13'	58068	CIVIC CENTER STORM SEWER RETRO FIT	FDEP	Class V Non-ASR	-	95	65	Biscayne	5/2/1990
7247	25° 47'	80° 13'	58068	CIVIC CENTER STORM SEWER RETRO FIT	FDEP	Class V Non-ASR	-	95	74	Biscayne	4/16/1990
7248	25° 46'	80° 11'	60204	SOUTHEAST FINANCIAL CENTER	FDEP	Class V Non-ASR	-	95	89	Biscayne	8/12/1982
7249	25° 50'	80° 11'	61807	VAN DYNE & ARNOLD	FDEP	Class V Non-ASR	-	95	88	Biscayne	8/2/1984
7250	25° 47'	80° 14'	62659	PREMIUM BEVERAGES	FDEP	Class V Non-ASR	-	95	75	Biscayne	10/29/1984
7251	25° 44'	80° 12'	60305	MERCY HOSPITAL PARKING LOT	FDEP	Class V Non-ASR	-	95	77	Biscayne	4/3/1984
7252	25° 45'	80° 15'	60343	901 BUILDING	FDEP	Class V Non-ASR	-	95	59	Biscayne	2/12/1985
7253	25° 45'	80° 8'	60345	FISHER ISLAND CONDOMINIUN,PHASE 1	FDEP	Class V Non-ASR	-	95	72	Biscayne	4/23/1985
7254	25° 45'	80° 8'	60345	FISHER ISLAND CONDOMINIUN,PHASE 1	FDEP	Class V Non-ASR	-	95	70	Biscayne	5/1/1985
7255	25° 45'	80° 8'	60346	FISHER ISLAND CONDOMINIUM PHASE 1	FDEP	Class V Non-ASR	-	95	73	Biscayne	5/8/1985
7256	25° 45'	80° 8'	60347	FISHER ISLAND CONDOMINIUM PHASE 1	FDEP	Class V Non-ASR	-	95	70	Biscayne	7/13/1985
7257	25° 45'	80° 8'	60347	FISHER ISLAND CONDOMINIUM PHASE 1	FDEP	Class V Non-ASR	-	95	76	Biscayne	7/1/1985
7258	25° 45'	80° 8'	60347	FISHER ISLAND CONDOMINIUM PHASE 1	FDEP	Class V Non-ASR	-	95	75	Biscayne	7/7/1985
7259	25° 46'	80° 9'	60358	FISHER ISLAND FERRY DOCKS	FDEP	Class V Non-ASR	-	95	85	Biscayne	4/19/1985
7260	25° 45'	80° 13'	60373	CHURCHHILL, A. C.	FDEP	Class V Non-ASR	-	95	90	Biscayne	6/28/1984
7261	25° 49'	80° 12'	62001	WOMETCO ENTERPRISES	FDEP	Class V Non-ASR	-	95	90	Biscayne	8/13/1984
7262	25° 45'	80° 8'	59817	ESTATES OF FISHER ISLAND	FDEP	Class V Non-ASR	-	95	57	Biscayne	5/20/1996
7263	25° 46'	80° 12'	61399	SALVATION ARMY	FDEP	Class V Non-ASR	-	95	85	Biscayne	7/18/1984
7264	25° 47'	80° 7'	59866	IL VILLAGGIO CONDOM. & RETAIL	FDEP	Class V Non-ASR	-	95	65	Biscayne	9/12/1996
7265	25° 46'	80° 16'	62219	ELIA, HARRY	FDEP	Class V Non-ASR	-	95	87	Biscayne	9/25/1984
7266	25° 51	80° 7'	59970	ST. TROPEZ	FDEP	Class V Non-ASR	-	95	32	Biscayne	11/6/1997
7267	25° 53'	80° 7'	60004	ONE BAL HARBOUR (HARBOUR HOUSE APTS (N & S)	FDEP	Class V Non-ASR	-	95	66	Biscayne	10/9/2006
7268	25° 47'	80° 12'	61524	SO. BEVERAGE	FDEP	Class V Non-ASR	-	95	85	Biscayne	7/20/1984
7269	25° 47'	80° 7'	60025	SHORE CLUB	FDEP	Class V Non-ASR	-	95	75	Biscayne	2/23/1999
7270	25° 41'	80° 9'	60034	VILLAGE OF KEY BISCAYNE	FDEP	Class V Non-ASR	-	95	61	Biscayne	2/26/1999
7271	25° 49'	80° 18'	60120	COATINGS SERVICE PL. UNION CARBIDE	FDEP	Class V Non-ASR	-	95	95	Biscayne	1/4/1985
7272	25° 45'	80° 11'	60147	IMPERIAL AT BRICKELL CONDOMINIUM	FDEP	Class V Non-ASR	-	95	87	Biscayne	6/21/1982
7273	25° 49'	80° 15'	64231	METAL EXTRUSIONS	FDEP	Class V Non-ASR	-	95	88	Biscayne	10/22/1984
7274	25° 48'	80° 11'	62696	OWNER UNKNOWN	FDEP	Class V Non-ASR	-	95	91	Biscayne	10/16/1984
7275	25° 49'	80° 17'	62814	CALVERT, R. A.	FDEP	Class V Non-ASR	-	95	0	Biscayne	11/1/1984
7276	25° 46'	80° 11'	65302	COURTHOUSE CENTRE	FDEP	Class V Non-ASR	-	95	88	Biscayne	12/31/1985
7277	25° 48'	80° 11'	65347	BISCAYNE CREDIT BANK	FDEP	Class V Non-ASR	-	95	80	Biscayne	9/12/1986
7278	25° 46'	80° 16'	63906	COE, L. C.	FDEP	Class V Non-ASR	-	95	95	Biscayne	9/24/1984
7279	25° 47'	80° 7'	65440	FDOT87060-3554 COLLINS AVE. @ 15 ST.	FDEP	Class V Non-ASR	-	95	64	Biscayne	10/4/1991
7280	25° 48'	80° 8'	65470	FDOT-SUNSET DRIVE BRIDGE REPLACEM.	FDEP	Class V Non-ASR	-	95	63	Biscayne	10/18/1995
7281	25° 46'	80° 7'	85966	826 COLLINS AVENUE	FDEP	Class V Non-ASR	-	95	63	Biscayne	7/25/2000
7282	25° 53'	80° 7'	87492	CARROLL WALK CONDOMINIUM	FDEP	Class V Non-ASR	-	95	63	Biscayne	10/2/2001
7283	25° 44'	80° 14'	87664	FARREY'S HARDWARE	FDEP	Class V Non-ASR	-	95	73	Biscayne	9/25/2001
7284	25° 45'	80° 8'	87669	OCEANSIDE 6 AT FISHER ISLAND	FDEP	Class V Non-ASR	-	95	64	Biscayne	2/7/2002
7285	25° 52'	80° 10'	88454	TOWNHOMES OF QUAYSIDE (BAYFRONT & LAKESIDE)	FDEP	Class V Non-ASR	-	95	40	Biscayne	12/31/2001
7286	25° 42'	80° 15'	88461	THE GABLES PHASE-II	FDEP	Class V Non-ASR	-	95	69	Biscayne	6/27/2002
7287	25° 42'	80° 15'	88461	THE GABLES PHASE-II	FDEP	Class V Non-ASR	-	95	68	Biscayne	6/14/2002
7288	25° 53'	80° 7'	90981	BELLINI CONDOMINIUM	FDEP	Class V Non-ASR	-	95	60	Biscayne	5/8/2003
7289	25° 46'	80° 7'	93216	CONTINUUM II ON SOUTH BEACH	FDEP	Class V Non-ASR	-	95	82	Biscayne	8/15/2005
7290	25° 46'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	95	64	Biscayne	6/2/2005
7291	25° 46'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	95	67	Biscayne	4/19/2005
7292	25° 47'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	95	73	Biscayne	6/20/2005
7293	25° 50'	80° 7'	92893	TERRA BEACHSIDE VILLAS	FDEP	Class V Non-ASR	-	95	85	Biscayne	7/24/2006
7294	25° 46'	80° 11'	92895	NEO VERTIKA	FDEP	Class V Non-ASR	-	95	84	Biscayne	2/25/2006
7295	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	95	65	Biscayne	2/6/2009
7296	25° 49'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	95	65	Biscayne	10/31/2008
7297	25° 49'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	95	63	Biscayne	11/7/2008
7298	25° 47'	80° 12'	94913	UNIVERSITY OF MIAMI MEDICAL STAFF PARKING GARAGE	FDEP	Class V Non-ASR	-	95	80	Biscayne	5/16/2008
7299	25° 46'	80° 7'	93839	1208 COLLINS	FDEP	Class V Non-ASR	-	95	81	Biscayne	2/5/2007
7300	25° 46'	80° 11'	94595	REFELCTIONS ON THE MIAMI RIVER	FDEP	Class V Non-ASR	-	95	77	Biscayne	3/20/2007

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
7301	25° 46'	80° 8'	94684	FIFTH & ALTON	FDEP	Class V Non-ASR	-	95	65	Biscayne	7/11/2007
7302	25° 48'	80° 11'	94753	UNIKA	FDEP	Class V Non-ASR	-	95	85	Biscayne	4/18/2014
7303	25° 49'	80° 7'	95050	NAUTILUS NEIGHB. (BSIN 99) DRA. IMPR.	FDEP	Class V Non-ASR	-	95	70	Biscayne	5/16/2008
7304	25° 49'	80° 7'	95050	NAUTILUS NEIGHB. (BSIN 99) DRA. IMPR.	FDEP	Class V Non-ASR	-	95	70	Biscayne	5/14/2008
7305	25° 49'	80° 7'	95050	NAUTILUS NEIGHB. (BSIN 99) DRA. IMPR.	FDEP	Class V Non-ASR	-	95	70	Biscayne	5/8/2008
7306	25° 51'	80° 7'	106098	FPL DUCT BANK	FDEP	Class V Non-ASR	-	95	76	Biscayne	4/13/2020
7307	25° 47'	80° 8'	103194	818 LINCOLN ROAD	FDEP	Class V Non-ASR	-	95	75	Biscayne	1/13/2017
7308	25° 44'	80° 15'	102754	DOUGLAS PARK	FDEP	Class V Non-ASR	-	95	116	Biscayne	9/12/2016
7309	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	95	75	Biscayne	4/29/2020
7310	25° 46'	80° 8'	102438	49 COLLINS	FDEP	Class V Non-ASR	-	95	60	Biscayne	7/9/2015
7311	25° 46'	80° 8'	102438	49 COLLINS	FDEP	Class V Non-ASR	-	95	60	Biscayne	7/6/2015
7312	25° 47'	80° 8'	101908	PALAU SUNSET HARBOR	FDEP	Class V Non-ASR	-	96	76	Biscayne	8/19/2014
7313	25° 52'	80° 7'	101995	THE IVORY CONDOMINIUM	FDEP	Class V Non-ASR	-	96	56	Biscayne	10/7/2014
7314	25° 52'	80° 7'	101995	THE IVORY CONDOMINIUM	FDEP	Class V Non-ASR	-	96	66	Biscayne	10/7/2014
7315	25° 51'	80° 9'	101267	BLU AT NORTH BAY VILLAGE	FDEP	Class V Non-ASR	-	96	56	Biscayne	10/21/2013
7316	25° 51'	80° 9'	101267	BLU AT NORTH BAY VILLAGE	FDEP	Class V Non-ASR	-	96	56	Biscayne	10/17/2013
7317	25° 49'	80° 8'	101753	LEVIN RESIDENCE	FDEP	Class V Non-ASR	-	96	70	Biscayne	7/10/2014
7318	25° 49'	80° 8'	101753	LEVIN RESIDENCE	FDEP	Class V Non-ASR	-	96	70	Biscayne	7/23/2014
7319	25° 46'	80° 8'	101354	CITY OF MIAMI BEACH	FDEP	Class V Non-ASR	-	96	66	Biscayne	8/26/2013
7320	25° 46'	80° 8'	101354	CITY OF MIAMI BEACH	FDEP	Class V Non-ASR	-	96	65	Biscayne	8/28/2013
7321	25° 48'	80° 7'	101619	CENTURIAN COLLINS AVE LLC	FDEP	Class V Non-ASR	-	96	76	Biscayne	1/15/2014
7322	25° 47'	80° 7'	101619	CENTURIAN COLLINS AVE LLC	FDEP	Class V Non-ASR	-	96	76	Biscayne	1/10/2014
7323	25° 47'	80° 8'	99404	SUNSHINE TOWERS	FDEP	Class V Non-ASR	-	96	73	Biscayne	12/15/2011
7324	25° 47'	80° 7'	101898	1600 COLLINS AVE.	FDEP	Class V Non-ASR	-	96	70	Biscayne	7/31/2014
7325	25° 52'	80° 7'	99864	SURFSIDE DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	96	56	Biscayne	4/25/2012
7326	25° 46'	80° 7'	101973	852 COLLINS AVE.	FDEP	Class V Non-ASR	-	96	66	Biscayne	7/26/2014
7327	25° 47'	80° 7'	101239	LENNOX HOTEL	FDEP	Class V Non-ASR	-	96	77	Biscayne	7/3/2014
7328	25° 47'	80° 7'	100785	FDOT SR A1A COLLINS AVE FROM 5TH STREET TO LINCOLN RD.	FDEP	Class V Non-ASR	-	96	85	Biscayne	11/18/2013
7329	25° 47'	80° 7'	100785	FDOT SR A1A COLLINS AVE FROM 5TH STREET TO LINCOLN RD.	FDEP	Class V Non-ASR	-	96	87	Biscayne	11/14/2013
7330	25° 49'	80° 10'	56477	CITY OF MIAMI, PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	96	80	Biscayne	9/5/1991
7331	25° 47'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	96	66	Biscayne	1/13/1993
7332	25° 50'	80° 8'	56525	TREASURE ISLAND ELEMENTARY SCHOOL	FDEP	Class V Non-ASR	-	96	54	Biscayne	2/25/1993
7333	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	96	60	Biscayne	12/16/2017
7334	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	96	60	Biscayne	12/14/2017
7335	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	96	60	Biscayne	12/14/2017
7336	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	96	71	Biscayne	8/18/2017
7337	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	96	67	Biscayne	7/23/2017
7338	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	96	65	Biscayne	7/24/2017
7339	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	96	65	Biscayne	7/25/2017
7340	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	96	65	Biscayne	7/11/2017
7341	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	96	65	Biscayne	7/12/2017
7342	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	96	65	Biscayne	7/12/2017
7343	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	96	75	Biscayne	8/17/2017
7344	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	96	65	Biscayne	8/17/2017
7345	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	96	76	Biscayne	8/18/2017
7346	25° 46'	80° 10'	56544	BERTH 6 & 7, DODGE ISLAND	FDEP	Class V Non-ASR	-	96	66	Biscayne	10/21/1993
7347	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	96	76	Biscayne	2/9/2017
7348	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	96	76	Biscayne	2/13/2017
7349	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	96	76	Biscayne	2/16/2017
7350	25° 46'	80° 7'	57641	SURFACE PARKING LOT - 1A IMPROVEMENTS	FDEP	Class V Non-ASR	-	96	76	Biscayne	10/10/2018
7351	25° 46'	80° 7'	57641	SURFACE PARKING LOT - 1A IMPROVEMENTS	FDEP	Class V Non-ASR	-	96	76	Biscayne	10/10/2018
7352	25° 42'	80° 14'	57077	LOCAL DRAINAGE PROJECT E-70	FDEP	Class V Non-ASR	-	96	67	Biscayne	11/30/1994
7353	25° 47'	80° 8'	57820	WALGREENS - ALTON ROAD	FDEP	Class V Non-ASR	-	96	70	Biscayne	4/17/1989
7354	25° 47'	80° 8'	57820	WALGREENS - ALTON ROAD	FDEP	Class V Non-ASR	-	96	73	Biscayne	4/17/1989
7355	25° 47'	80° 7'	102174	230 LINCOLN ROAD	FDEP	Class V Non-ASR	-	96	82	Biscayne	1/13/2016
7356	25° 47'	80° 7'	102174	230 LINCOLN ROAD	FDEP	Class V Non-ASR	-	96	82	Biscayne	1/13/2016
7357	25° 47'	80° 13'	58068	CIVIC CENTER STORM SEWER RETRO FIT	FDEP	Class V Non-ASR	-	96	67	Biscayne	4/13/1990
7358	25° 42'	80° 16'	61897	SVEHLA, WALTER	FDEP	Class V Non-ASR	-	96	85	Biscayne	8/7/1984
7359	25° 47'	80° 13'	62194	HAMILTON CONSTRUCTION	FDEP	Class V Non-ASR	-	96	80	Biscayne	11/16/1984
7360	25° 45'	80° 11'	59938	CASA GRANDE TOWERS CONDO	FDEP	Class V Non-ASR	-	96	80	Biscayne	9/2/1997
7361	25° 53'	80° 7'	60004	ONE BAL HARBOUR (HARBOUR HOUSE APTS (N & S)	FDEP	Class V Non-ASR	-	96	87	Biscayne	11/1/2006
7362	25° 53'	80° 7'	60004	ONE BAL HARBOUR (HARBOUR HOUSE APTS (N & S)	FDEP	Class V Non-ASR	-	96	66	Biscayne	10/3/2006
7363	25° 48'	80° 14'	60754	BOOKER T. MOTEL	FDEP	Class V Non-ASR	-	96	86	Biscayne	8/10/1984
7364	25° 45'	80° 11'	60767	BRICKELL 19 CORP.	FDEP	Class V Non-ASR	-	96	93	Biscayne	8/15/1984
7365	25° 48'	80° 7'	60769	BROADRIPPLE HOTEL	FDEP	Class V Non-ASR	-	96	92	Biscayne	8/15/1984
7366	25° 48'	80° 7'	61560	SOVERIGN HOTEL	FDEP	Class V Non-ASR	-	96	90	Biscayne	7/20/1984
7367	25° 47'	80° 7'	60025	SHORE CLUB	FDEP	Class V Non-ASR	-	96	66	Biscayne	2/3/2000
7368	25° 41'	80° 9'	60034	VILLAGE OF KEY BISCAYNE	FDEP	Class V Non-ASR	-	96	74	Biscayne	2/22/1999
7369	25° 46'	80° 11'	60179	201-223 BUILDING	FDEP	Class V Non-ASR	-	96	82	Biscayne	9/4/1981
7370	25° 51'	80° 11'	62800	PROPRIETOR	FDEP	Class V Non-ASR	-	96	0	Biscayne	10/30/1984
7371	25° 51'	80° 15'	62958	PELMED CORP.	FDEP	Class V Non-ASR	-	96	90	Biscayne	11/21/1984
7372	25° 46'	80° 12'	65315	I-95 RAMP WIDENING	FDEP	Class V Non-ASR	-	96	76	Biscayne	6/10/1986
7373	25° 46'	80° 11'	63096	ROSA PROPERTIES	FDEP	Class V Non-ASR	-	96	93	Biscayne	11/28/1984
7374	25° 39'	80° 17'	63917	BALTEN, L. N.	FDEP	Class V Non-ASR	-	96	90	Biscayne	9/25/1984
7375	25° 53'	80° 8'	65451	FDOT 87066-3507 KANE CON TO 96TH ST.	FDEP	Class V Non-ASR	-	96	68	Biscayne	10/27/1993
7376	25° 48'	80° 15'	63168	BLUE BELLE TRAILER PARK, INC.	FDEP	Class V Non-ASR	-	96	90	Biscayne	1/17/1985
7377	25° 48'	80° 11'	65506	SR 112/I-195	FDEP	Class V Non-ASR	-	96	80	Biscayne	3/27/1998
7378	25° 46'	80° 12'	63280	MIAMI SCOTTISH RITE BODIES	FDEP	Class V Non-ASR	-	96	90	Biscayne	1/14/1985
7379	25° 49'	80° 12'	64115	M. R. HARRISON CONSTRUCTION COMPANY	FDEP	Class V Non-ASR	-	96	89	Biscayne	10/9/1984
7380	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	96	70	Biscayne	4/27/2001
7381	25° 38'	80° 17'	83443	VERONA AT DEERING BAY	FDEP	Class V Non-ASR	-	96	65	Biscayne	5/10/1999
7382	25° 46'	80° 8'	88445	THYSSEN BUILDING	FDEP	Class V Non-ASR	-	96	70	Biscayne	12/31/2001
7383	25° 47'	80° 12'	91650	CLINICAL RESEARCH BUILDING	FDEP	Class V Non-ASR	-	96	80	Biscayne	3/18/2004
7384	25° 46'	80° 7'	93216	CONTINUUM II ON SOUTH BEACH	FDEP	Class V Non-ASR	-	96	85	Biscayne	9/27/2005
7385	25° 46'	80° 8'	93226	APOGEE	FDEP	Class V Non-ASR	-	96	62	Biscayne	9/23/2005
7386	25° 46'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	96	65	Biscayne	10/31/2005
7387	25° 46'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	96	67	Biscayne	6/13/2005
7388	25° 47'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	96	64	Biscayne	10/13/2005
7389	25° 47'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	96	73	Biscayne	9/2/2005

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Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
7390	25° 48'	80° 7'	93502	CHARLES GARAGE BLDG	FDEP	Class V Non-ASR	-	96	80	Biscayne	12/5/2005
7391	25° 51'	80° 8'	93567	NORMANDY ISLE PARK	FDEP	Class V Non-ASR	-	96	80	Biscayne	5/12/2006
7392	25° 47'	80° 7'	92173	SANTUARY	FDEP	Class V Non-ASR	-	96	79	Biscayne	9/9/2004
7393	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	96	64	Biscayne	9/23/2008
7394	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	96	66	Biscayne	9/10/2008
7395	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	96	66	Biscayne	2/28/2009
7396	25° 49'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	96	64	Biscayne	11/17/2008
7397	25° 48'	80° 11'	95432	MORRIS ROSS	FDEP	Class V Non-ASR	-	96	89	Biscayne	2/21/1979
7398	25° 48'	80° 11'	94753	UNIKA	FDEP	Class V Non-ASR	-	96	85	Biscayne	4/9/2014
7399	25° 49'	80° 8'	95050	NAUTILUS NEIGHB. (BSIN 99) DRA. IMPR.	FDEP	Class V Non-ASR	-	96	63	Biscayne	4/29/2008
7400	25° 46'	80° 8'	94890	843 MERIDIAN	FDEP	Class V Non-ASR	-	96	74	Biscayne	7/24/2008
7401	25° 46'	80° 10'	102839	NEIGHBORHOOD 13 - PALM ISLAND	FDEP	Class V Non-ASR	-	96	76	Biscayne	6/5/2016
7402	25° 52'	80° 7'	102755	8701 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	96	76	Biscayne	2/2/2017
7403	25° 52'	80° 7'	102755	8701 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	96	76	Biscayne	2/4/2017
7404	25° 52'	80° 7'	102755	8701 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	96	76	Biscayne	1/29/2017
7405	25° 44'	80° 15'	102754	DOUGLAS PARK	FDEP	Class V Non-ASR	-	96	116	Biscayne	9/21/2016
7406	25° 44'	80° 15'	102754	DOUGLAS PARK	FDEP	Class V Non-ASR	-	96	116	Biscayne	9/3/2016
7407	25° 44'	80° 15'	102754	DOUGLAS PARK	FDEP	Class V Non-ASR	-	96	116	Biscayne	9/15/2016
7408	25° 44'	80° 15'	102754	DOUGLAS PARK	FDEP	Class V Non-ASR	-	96	116	Biscayne	10/4/2016
7409	25° 44'	80° 15'	102754	DOUGLAS PARK	FDEP	Class V Non-ASR	-	96	116	Biscayne	9/26/2016
7410	25° 46'	80° 8'	102752	320 COLLINS	FDEP	Class V Non-ASR	-	96	68	Biscayne	4/27/2016
7411	25° 51'	80° 7'	102989	L'ATELIER CONDOMINIUMS	FDEP	Class V Non-ASR	-	96	76	Biscayne	9/26/2016
7412	25° 51'	80° 7'	102989	L'ATELIER CONDOMINIUMS	FDEP	Class V Non-ASR	-	96	77	Biscayne	9/26/2016
7413	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	96	60	Biscayne	8/15/2019
7414	25° 46'	80° 7'	104866	601-685 WASHINGTON AVE.	FDEP	Class V Non-ASR	-	96	58	Biscayne	1/8/2019
7415	25° 46'	80° 7'	104866	601-685 WASHINGTON AVE.	FDEP	Class V Non-ASR	-	96	57	Biscayne	1/8/2019
7416	25° 46'	80° 7'	104866	601-685 WASHINGTON AVE.	FDEP	Class V Non-ASR	-	96	56	Biscayne	1/8/2019
7417	25° 46'	80° 8'	104866	601-685 WASHINGTON AVE.	FDEP	Class V Non-ASR	-	96	56	Biscayne	1/8/2019
7418	25° 47'	80° 7'	105227	ESPANOLA HOTEL	FDEP	Class V Non-ASR	-	96	60	Biscayne	5/28/2018
7419	25° 47'	80° 7'	106244	STARWOOD	FDEP	Class V Non-ASR	-	96	80	Biscayne	11/1/2019
7420	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	96	72	Biscayne	4/29/2020
7421	25° 46'	80° 8'	102564	ALTON RD. SELF STORAGE	FDEP	Class V Non-ASR	-	96	65	Biscayne	1/8/2015
7422	25° 45'	80° 12'	105172	Proposed OFFICE BUILDING	FDEP	Class V Non-ASR	-	96	126	Biscayne	6/28/2018
7423	25° 42'	80° 16'	105099	PASEO DE LA RIVIERA	FDEP	Class V Non-ASR	-	96	55	Biscayne	4/20/2018
7424	25° 46'	80° 10'	106285	POM SEABOARD MARINE TERMINAL	FDEP	Class V Non-ASR	-	96	76	Biscayne	10/20/2019
7425	25° 46'	80° 10'	106285	POM SEABOARD MARINE TERMINAL	FDEP	Class V Non-ASR	-	96	80	Biscayne	10/20/2019
7426	25° 46'	80° 10'	106285	POM SEABOARD MARINE TERMINAL	FDEP	Class V Non-ASR	-	96	76	Biscayne	10/20/2019
7427	25° 47'	80° 7'	102165	BERKELEY SHORE HOTEL	FDEP	Class V Non-ASR	-	97	75	Biscayne	5/5/2015
7428	25° 51'	80° 7'	99860	PUBLIX SUPER MARKETS STORE 1382	FDEP	Class V Non-ASR	-	97	70	Biscayne	11/17/2011
7429	25° 52'	80° 7'	99864	SURFSIDE DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	97	55	Biscayne	7/10/2012
7430	25° 52'	80° 10'	56807	BISCAYNE SHORES	FDEP	Class V Non-ASR	-	97	58	Biscayne	5/1/1997
7431	25° 48'	80° 7'	102232	THE PALMS HOTEL & SPA	FDEP	Class V Non-ASR	-	97	75	Biscayne	3/19/2015
7432	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	97	60	Biscayne	4/2/2017
7433	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	97	60	Biscayne	1/1/1970
7434	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	97	60	Biscayne	6/1/2017
7435	25° 46'	80° 10'	56544	BERTH 6 & 7, DODGE ISLAND	FDEP	Class V Non-ASR	-	97	63	Biscayne	10/21/1993
7436	25° 46'	80° 12'	58294	MERRILL STEVENS DRY DOCK CO. SO. YD	FDEP	Class V Non-ASR	-	97	77	Biscayne	1/7/1991
7437	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	97	77	Biscayne	11/29/2017
7438	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	97	77	Biscayne	4/20/2017
7439	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	97	77	Biscayne	4/20/2017
7440	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	97	77	Biscayne	4/20/2017
7441	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	97	77	Biscayne	4/20/2017
7442	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	97	77	Biscayne	4/20/2017
7443	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	97	77	Biscayne	2/17/2017
7444	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	97	77	Biscayne	2/24/2017
7445	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	97	77	Biscayne	2/28/2017
7446	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	97	77	Biscayne	1/22/2018
7447	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	97	77	Biscayne	1/20/2018
7448	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	97	77	Biscayne	4/20/2017
7449	25° 38'	80° 17'	58322	DEERING BAY	FDEP	Class V Non-ASR	-	97	27	Biscayne	7/7/1991
7450	25° 46'	80° 11'	57156	MIAMI SPORTS ARENA	FDEP	Class V Non-ASR	-	97	88	Biscayne	2/2/1987
7451	25° 46'	80° 11'	60233	GOVERNMENT CENTER STATION	FDEP	Class V Non-ASR	-	97	88	Biscayne	9/13/1983
7452	25° 42'	80° 15'	59704	THE GABLES	FDEP	Class V Non-ASR	-	97	60	Biscayne	2/14/1996
7453	25° 42'	80° 15'	59704	THE GABLES	FDEP	Class V Non-ASR	-	97	60	Biscayne	2/14/1996
7454	25° 45'	80° 14'	62152	GULF OIL CORP.	FDEP	Class V Non-ASR	-	97	86	Biscayne	11/16/1984
7455	25° 46'	80° 11'	60008	AMERICAN AILRLINES ARENA	FDEP	Class V Non-ASR	-	97	70	Biscayne	2/26/1999
7456	25° 41	80° 18'	60766	HARELICK, BRIAN	FDEP	Class V Non-ASR	-	97	90	Biscayne	8/15/1984
7457	25° 47'	80° 12'	60829	CANADA DRY BOTTLING CO.	FDEP	Class V Non-ASR	-	97	78	Biscayne	8/17/1984
7458	25° 54'	80° 11'	61706	WILISCH, THEODORE	FDEP	Class V Non-ASR	-	97	93	Biscayne	7/30/1984
7459	25° 48'	80° 7'	60192	BRUCE SINBERG	FDEP	Class V Non-ASR	-	97	90	Biscayne	4/29/1983
7460	25° 46'	80° 14'	64250	MIAMI FIRE EQUIPMENT COMPANY	FDEP	Class V Non-ASR	-	97	89	Biscayne	10/22/1984
7461	25° 42'	80° 16'	62702	GILMORE, P.J.	FDEP	Class V Non-ASR	-	97	88	Biscayne	11/14/1984
7462	25° 51	80° 12'	62740	FASKE, PAUL	FDEP	Class V Non-ASR	-	97	85	Biscayne	10/25/1984
7463	25° 51'	80° 11'	62875	RADER MEM. METHODIST CHURCH	FDEP	Class V Non-ASR	-	97	90	Biscayne	11/15/1984
7464	25° 46'	80° 12'	65315	I-95 RAMP WIDENING	FDEP	Class V Non-ASR	-	97	85	Biscayne	7/10/1986
7465	25° 44'	80° 13'	65339	L'HERMITAGE	FDEP	Class V Non-ASR	-	97	60	Biscayne	8/13/1986
7466	25° 44'	80° 12'	63115	ROYAL PALM ICE CO.	FDEP	Class V Non-ASR	-	97	85	Biscayne	11/29/1984
7467	25° 48'	80° 11'	65506	SR 112/I-195	FDEP	Class V Non-ASR	-	97	76	Biscayne	3/12/1998
7468	25° 45'	80° 11'	84475	SW 2ND AVE. BRIDGE REPLACEMENT	FDEP	Class V Non-ASR	-	97	80	Biscayne	11/20/2001
7469	25° 46'	80° 11'	84475	SW 2ND AVE. BRIDGE REPLACEMENT	FDEP	Class V Non-ASR	-	97	79	Biscayne	5/17/2002
7470	25° 50'	80° 9'	84583	BUDGET MINI STORAGE	FDEP	Class V Non-ASR	-	97	61	Biscayne	12/15/1999
7471	25° 46'	80° 7'	84771	OCEAN PLACE CONDOMINIUMS	FDEP	Class V Non-ASR	-	97	67	Biscayne	3/3/2000
7472	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	97	66	Biscayne	5/8/2001
7473	25° 53'	80° 7'	90801	BAY HARBOR MEDICAL APTS BUILDING	FDEP	Class V Non-ASR	-	97	67	Biscayne	3/10/2003
7474	25° 42'	80° 15'	88461	THE GABLES PHASE-II	FDEP	Class V Non-ASR	-	97	68	Biscayne	2/10/2003
7475	25° 42'	80° 15'	88461	THE GABLES PHASE-II	FDEP	Class V Non-ASR	-	97	68	Biscayne	2/17/2003
7476	25° 47'	80° 12'	91650	CLINICAL RESEARCH BUILDING	FDEP	Class V Non-ASR	-	97	76	Biscayne	5/25/2004
7477	25° 47'	80° 12'	91650	CLINICAL RESEARCH BUILDING	FDEP	Class V Non-ASR	-	97	82	Biscayne	8/26/2004
7478	25° 42'	80° 15'	92473	THE GABLES CLUB CONDONMINIUM ASSOCIATION	FDEP	Class V Non-ASR	-	97	65	Biscayne	7/13/2005

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
7479	25° 50'	80° 7'	92761	REGATTA	FDEP	Class V Non-ASR	-	97	85	Biscayne	8/29/2005
7480	25° 50'	80° 7'	92761	REGATTA	FDEP	Class V Non-ASR	-	97	85	Biscayne	8/23/2005
7481	25° 47'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	97	67	Biscayne	8/10/2005
7482	25° 47'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	97	64	Biscayne	9/27/2005
7483	25° 47'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	97	67	Biscayne	9/15/2005
7484	25° 47'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	97	73	Biscayne	10/20/2005
7485	25° 47'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	97	73	Biscayne	8/1/2005
7486	25° 48'	80° 8'	92159	BAYSHORE GOLFCOURSE	FDEP	Class V Non-ASR	-	97	77	Biscayne	2/8/2010
7487	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	97	65	Biscayne	5/1/2009
7488	25° 49'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	97	65	Biscayne	4/30/2009
7489	25° 49'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	97	65	Biscayne	4/27/2009
7490	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	97	65	Biscayne	3/4/2009
7491	25° 48'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	97	65	Biscayne	2/3/2009
7492	25° 48'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	97	64	Biscayne	2/6/2009
7493	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	97	64	Biscayne	9/29/2008
7494	25° 46'	80° 8'	94484	VITRI CONDOMINIUM	FDEP	Class V Non-ASR	-	97	67	Biscayne	11/6/2006
7495	25° 46'	80° 8'	94484	VITRI CONDOMINIUM	FDEP	Class V Non-ASR	-	97	66	Biscayne	11/9/2006
7496	25° 50'	80° 7'	94124	CASABLANCA VILLAS	FDEP	Class V Non-ASR	-	97	85	Biscayne	7/24/2006
7497	25° 46'	80° 7'	95024	WALLACE TUTT (GISAD, INC.)	FDEP	Class V Non-ASR	-	97	86	Biscayne	10/18/1994
7498	25° 46'	80° 8'	94160	THE ANGLERS RESORT	FDEP	Class V Non-ASR	-	97	56	Biscayne	3/30/2015
7499	25° 46'	80° 8'	94160	THE ANGLERS RESORT	FDEP	Class V Non-ASR	-	97	56	Biscayne	3/19/2015
7500	25° 46'	80° 8'	94160	THE ANGLERS RESORT	FDEP	Class V Non-ASR	-	97	56	Biscayne	3/26/2015
7501	25° 46'	80° 8'	94160	THE ANGLERS RESORT	FDEP	Class V Non-ASR	-	97	56	Biscayne	3/24/2015
7502	25° 49'	80° 8'	95050	NAUTILUS NEIGHB. (BSIN 99) DRA. IMPR.	FDEP	Class V Non-ASR	-	97	63	Biscayne	4/16/2008
7503	25° 49'	80° 8'	95050	NAUTILUS NEIGHB. (BSIN 99) DRA. IMPR.	FDEP	Class V Non-ASR	-	97	63	Biscayne	4/23/2008
7504	25° 41'	80° 9'	94366	PARK INK	FDEP	Class V Non-ASR	-	97	85	Biscayne	11/10/2006
7505	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	97	60	Biscayne	8/26/2019
7506	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	97	60	Biscayne	8/26/2019
7507	25° 52'	80° 7'	106155	SOPHIE AT BAY HARBOR CONDO	FDEP	Class V Non-ASR	-	97	60	Biscayne	6/24/2019
7508	25° 50'	80° 7'	104353	MAURICE P. DREISEN - MAR DEL PLATA	FDEP	Class V Non-ASR	-	97	90	Biscayne	1/1/1970
7509	25° 46'	80° 7'	105843	MOXY HOTEL	FDEP	Class V Non-ASR	-	97	65	Biscayne	2/11/2019
7510	25° 45'	80° 8'	97920	FISHER ISLAND BEACH CLUB	FDEP	Class V Non-ASR	-	98	70	Biscayne	7/20/2009
7511	25° 49'	80° 8'	101753	LEVIN RESIDENCE	FDEP	Class V Non-ASR	-	98	70	Biscayne	7/3/2014
7512	25° 46'	80° 12'	101338	SAFEGUARD SELF STORAGE	FDEP	Class V Non-ASR	-	98	88	Biscayne	8/15/2013
7513	25° 53'	80° 7'	101864	OCEANA AKA CONSULTATIO	FDEP	Class V Non-ASR	-	98	76	Biscayne	11/25/2015
7514	25° 45'	80° 11'	101489	PANORAMA TOWER AT 1101 BRICKELL	FDEP	Class V Non-ASR	-	98	85	Biscayne	10/1/2014
7515	25° 51'	80° 7'	99860	PUBLIX SUPER MARKETS STORE 1382	FDEP	Class V Non-ASR	-	98	71	Biscayne	10/27/2011
7516	25° 51'	80° 7'	99860	PUBLIX SUPER MARKETS STORE 1382	FDEP	Class V Non-ASR	-	98	76	Biscayne	11/23/2011
7517	25° 52'	80° 7'	99864	SURFSIDE DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	98	52	Biscayne	7/10/2012
7518	25° 52'	80° 7'	99864	SURFSIDE DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	98	52	Biscayne	7/20/2012
7519	25° 46'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	98	78	Biscayne	9/1/1992
7520	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	98	60	Biscayne	6/1/2017
7521	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	98	60	Biscayne	6/1/2017
7522	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	98	60	Biscayne	6/1/2017
7523	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	98	60	Biscayne	6/1/2017
7524	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	98	60	Biscayne	6/1/2017
7525	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	98	60	Biscayne	6/1/2017
7526	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	98	60	Biscayne	6/1/2017
7527	25° 46'	80° 11'	56955	METROPOLITAN DETENTION CENTER	FDEP	Class V Non-ASR	-	98	85	Biscayne	5/28/1993
7528	25° 38'	80° 17'	58322	DEERING BAY	FDEP	Class V Non-ASR	-	98	28	Biscayne	12/20/1990
7529	25° 46'	80° 12'	57013	PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	98	80	Biscayne	4/24/1990
7530	25° 46'	80° 12'	57013	PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	98	67	Biscayne	5/22/1990
7531	25° 46'	80° 12'	57013	PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	98	69	Biscayne	7/13/1990
7532	25° 46'	80° 12'	57013	PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	98	72	Biscayne	6/13/1990
7533	25° 46'	80° 10'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	98	65	Biscayne	12/10/1991
7534	25° 46'	80° 9'	57052	PORT OF MIAMI	FDEP	Class V Non-ASR	-	98	66	Biscayne	12/7/1992
7535	25° 46'	80° 9'	57052	PORT OF MIAMI	FDEP	Class V Non-ASR	-	98	86	Biscayne	12/7/1992
7536	25° 47'	80° 7'	57109	CITY OF MIAMI BEACH - WASH. AVE.	FDEP	Class V Non-ASR	-	98	60	Biscayne	11/5/1996
7537	25° 46'	80° 10'	57069	MSRC SITE,S.W. DODGE ISLAND, PH.LL	FDEP	Class V Non-ASR	-	98	60	Biscayne	12/20/1993
7538	25° 45'	80° 11'	57926	VILLA REGINA	FDEP	Class V Non-ASR	-	98	83	Biscayne	11/22/1980
7539	25° 53'	80° 10'	62564	VILLANI, FRANK	FDEP	Class V Non-ASR	-	98	94	Biscayne	10/16/1984
7540	25° 46'	80° 11'	60204	SOUTHEAST FINANCIAL CENTER	FDEP	Class V Non-ASR	-	98	91	Biscayne	8/12/1982
7541	25° 43'	80° 14'	60206	GROVE AT GRAND BAY CONDOMINIUMS	FDEP	Class V Non-ASR	-	98	72	Biscayne	7/20/2013
7542	25° 43'	80° 14'	60206	GROVE AT GRAND BAY CONDOMINIUMS	FDEP	Class V Non-ASR	-	98	72	Biscayne	6/21/2013
7543	25° 45'	80° 11'	60225	BRICKELL AVENUE STATION MTR NO. 115	FDEP	Class V Non-ASR	-	98	92	Biscayne	6/10/1983
7544	25° 46'	80° 11'	60233	GOVERNMENT CENTER STATION	FDEP	Class V Non-ASR	-	98	86	Biscayne	4/6/1983
7545	25° 45'	80° 12'	60295	BRICKELL PARK CONDOMINIUM	FDEP	Class V Non-ASR	-	98	88	Biscayne	4/29/1980
7546	25° 44'	80° 12'	60305	MERCY HOSPITAL PARKING LOT	FDEP	Class V Non-ASR	-	98	82	Biscayne	4/13/1984
7547	25° 45'	80° 15'	60330	LONDON & LEEDS, CORAL GABLES CORP.	FDEP	Class V Non-ASR	-	98	70	Biscayne	11/5/1984
7548	25° 46'	80° 11'	60339	MUSEUM TOWERS	FDEP	Class V Non-ASR	-	98	81	Biscayne	1/15/1985
7549	25° 45'	80° 15'	62087	SUTCLIFF, GERALD C.	FDEP	Class V Non-ASR	-	98	91	Biscayne	11/16/1984
7550	25° 47'	80° 7'	59916	NATIONAL HOTEL	FDEP	Class V Non-ASR	-	98	63	Biscayne	1/2/1997
7551	25° 45'	80° 11'	60147	IMPERIAL AT BRICKELL CONDOMINIUM	FDEP	Class V Non-ASR	-	98	80	Biscayne	10/3/1981
7552	25° 47'	80° 12'	61696	JACKSON CORP.,THE	FDEP	Class V Non-ASR	-	98	90	Biscayne	7/25/1984
7553	25° 53'	80° 7'	62512	FOOD FAIR STORES-FLA.	FDEP	Class V Non-ASR	-	98	84	Biscayne	10/11/1984
7554	25° 43'	80° 14'	60188	CONTINENTAL PLAZA OFFICE BLDG.	FDEP	Class V Non-ASR	-	98	83	Biscayne	12/28/1981
7555	25° 45'	80° 11'	63350	VILLA REGINA	FDEP	Class V Non-ASR	-	98	83	Biscayne	1/15/1985
7556	25° 52'	80° 7'	64206	MAYFAIR TOWERS	FDEP	Class V Non-ASR	-	98	89	Biscayne	10/12/1984
7557	25° 45'	80° 12'	62673	TUGG, R. J.	FDEP	Class V Non-ASR	-	98	90	Biscayne	10/30/1984
7558	25° 55'	80° 9'	65449	FDOT-STATE PROJECT NO. 87030-3573	FDEP	Class V Non-ASR	-	98	54	Biscayne	6/10/1994
7559	25° 52'	80° 10'	65469	BISCAYNE BLVD. BRIDGE /CANAL (C-8)	FDEP	Class V Non-ASR	-	98	68	Biscayne	4/29/1994
7560	25° 50'	80° 15'	63281	MIAMI HEIGHTS MOTEL & TRAILER PK	FDEP	Class V Non-ASR	-	98	92	Biscayne	1/14/1985
7561	25° 46'	80° 11'	84475	SW 2ND AVE. BRIDGE REPLACEMENT	FDEP	Class V Non-ASR	-	98	80	Biscayne	11/11/2001
7562	25° 46'	80° 11'	84475	SW 2ND AVE. BRIDGE REPLACEMENT	FDEP	Class V Non-ASR	-	98	80	Biscayne	12/15/2001
7563	25° 46'	80° 11'	84475	SW 2ND AVE. BRIDGE REPLACEMENT	FDEP	Class V Non-ASR	-	98	78	Biscayne	12/8/2001
7564	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	98	68	Biscayne	4/30/2001
7565	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	98	78	Biscayne	9/4/2001
7566	25° 44'	80° 12'	83447	MERCY HOSPITAL EMERG. PARKING LOT	FDEP	Class V Non-ASR	-	98	73	Biscayne	5/3/1999
7567	25° 46'	80° 7'	85435	CONTINUUM ON SOUTH BEACH	FDEP	Class V Non-ASR	-	98	55	Biscayne	5/1/2000

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
7568	25° 47'	80° 8'	89406	THE LINCOLN	FDEP	Class V Non-ASR	-	98	69	Biscayne	12/11/2002
7569	25° 46'	80° 10'	88280	WATSON ISLAND ACCESS ROAD	FDEP	Class V Non-ASR	-	98	51	Biscayne	1/31/2002
7570	25° 52'	80° 8'	89192	CEJAS RESIDENCE	FDEP	Class V Non-ASR	-	98	78	Biscayne	5/13/2002
7571	25° 51'	80° 8'	90881	NORMANDY GOLF COURSE	FDEP	Class V Non-ASR	-	98	60	Biscayne	8/15/2003
7572	25° 47'	80° 12'	91650	CLINICAL RESEARCH BUILDING	FDEP	Class V Non-ASR	-	98	80	Biscayne	3/23/2004
7573	25° 53'	80° 7'	92578	SURFSIDE (WACHOVIA BANK)	FDEP	Class V Non-ASR	-	98	70	Biscayne	12/9/2004
7574	25° 47'	80° 8'	91245	801-821 LINCOLN ROAD	FDEP	Class V Non-ASR	-	98	85	Biscayne	4/8/2016
7575	25° 52'	80° 10'	91178	K-MART # 4295	FDEP	Class V Non-ASR	-	98	60	Biscayne	7/28/2003
7576	25° 49'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	98	65	Biscayne	9/17/2008
7577	25° 49'	80° 7'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	98	67	Biscayne	9/15/2008
7578	25° 46'	80° 7'	94536	801-815 WASHINGTON	FDEP	Class V Non-ASR	-	98	73	Biscayne	1/4/2007
7579	25° 48'	80° 7'	94666	VILLA MARIA PHASE I	FDEP	Class V Non-ASR	-	98	78	Biscayne	10/13/2009
7580	25° 46'	80° 8'	94684	FIFTH & ALTON	FDEP	Class V Non-ASR	-	98	65	Biscayne	6/25/2007
7581	25° 46'	80° 8'	106237	URBANICA THE FIFTH HOTEL	FDEP	Class V Non-ASR	-	98	70	Biscayne	9/18/2019
7582	25° 47'	80° 12'	102742	MODERA RIVERHOUSE	FDEP	Class V Non-ASR	-	98	85	Biscayne	4/14/2017
7583	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	98	60	Biscayne	7/29/2019
7584	25° 46'	80° 8'	104866	601-685 WASHINGTON AVE.	FDEP	Class V Non-ASR	-	98	66	Biscayne	12/12/2017
7585	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	98	70	Biscayne	3/18/2019
7586	25° 46'	80° 10'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	98	70	Biscayne	3/18/2019
7587	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	98	70	Biscayne	6/11/2019
7588	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	98	70	Biscayne	6/10/2019
7589	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	98	70	Biscayne	6/8/2019
7590	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	98	70	Biscayne	6/11/2019
7591	25° 41'	80° 9'	106101	ST CHRISTOPHER BY-THE-SEA EPISCOPAL CHURCH	FDEP	Class V Non-ASR	-	98	78	Biscayne	7/22/2019
7592	25° 47'	80° 7'	105931	1427 WASHINGTON AVE	FDEP	Class V Non-ASR	-	98	69	Biscayne	1/29/2019
7593	25° 47'	80° 7'	102847	COLLINS PARK HOTEL	FDEP	Class V Non-ASR	-	98	75	Biscayne	2/16/2017
7594	25° 46'	80° 7'	103872	728 OCEAN DRIVE	FDEP	Class V Non-ASR	-	98	76	Biscayne	8/20/2017
7595	25° 47'	80° 8'	100906	1000 17TH STREET	FDEP	Class V Non-ASR	-	99	65	Biscayne	10/27/2012
7596	25° 53'	80° 8'	101913	KAI/ BAY HARBOR RESIDENCE	FDEP	Class V Non-ASR	-	99	63	Biscayne	9/4/2014
7597	25° 42'	80° 14'	100888	PERSONAL RESIDENCE - C. G. TRUST	FDEP	Class V Non-ASR	-	99	51	Biscayne	1/15/2013
7598	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	99	71	Biscayne	6/14/2010
7599	25° 49'	80° 10'	56477	CITY OF MIAMI, PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	99	63	Biscayne	9/5/1991
7600	25° 47'	80° 12'	58813	JACKSON MEMORIAL CENTER	FDEP	Class V Non-ASR	-	99	76	Biscayne	12/23/1991
7601	25° 45'	80° 8'	58130	FISHER ISLAND BLDG #10-BAYVIEW	FDEP	Class V Non-ASR	-	99	63	Biscayne	8/12/1990
7602	25° 46'	80° 7'	57475	WASHINGTON STORAGE TOWERS ADDITIONS	FDEP	Class V Non-ASR	-	99	73	Biscayne	6/2/1993
7603	25° 47'	80° 7'	57004	MIAMI BEACH PARKING GARAGE	FDEP	Class V Non-ASR	-	99	69	Biscayne	3/30/1989
7604	25° 45'	80° 11'	60225	BRICKELL AVENUE STATION MTR NO. 115	FDEP	Class V Non-ASR	-	99	88	Biscayne	12/3/1982
7605	25° 45'	80° 11'	60225	BRICKELL AVENUE STATION MTR NO. 115	FDEP	Class V Non-ASR	-	99	87	Biscayne	4/6/1983
7606	25° 53'	80° 7'	60229	FORT HARBOR CONCOURSE PLAZA	FDEP	Class V Non-ASR	-	99	72	Biscayne	5/26/1982
7607	25° 48'	80° 7'	62653	GAYLORD HOTEL	FDEP	Class V Non-ASR	-	99	94	Biscayne	10/24/1984
7608	25° 42'	80° 15'	59704	THE GABLES	FDEP	Class V Non-ASR	-	99	60	Biscayne	2/14/1996
7609	25° 46'	80° 8'	59671	S.L.F. JEWISH MUSEUM	FDEP	Class V Non-ASR	-	99	80	Biscayne	6/21/1993
7610	25° 53'	80° 10'	61289	E. KINGS WAY,INC.	FDEP	Class V Non-ASR	-	99	75	Biscayne	9/10/1984
7611	25° 53'	80° 7'	60004	ONE BAL HARBOUR (HARBOUR HOUSE APTS (N & S)	FDEP	Class V Non-ASR	-	99	66	Biscayne	10/12/2006
7612	25° 51'	80° 7'	63373	HEALTH BUILDERS	FDEP	Class V Non-ASR	-	99	93	Biscayne	7/5/1984
7613	25° 46'	80° 9'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	99	58	Biscayne	5/14/1993
7614	25° 55'	80° 9'	65449	FDOT-STATE PROJECT NO. 87030-3573	FDEP	Class V Non-ASR	-	99	56	Biscayne	6/10/1994
7615	25° 48'	80° 11'	65506	SR 112/I-195	FDEP	Class V Non-ASR	-	99	60	Biscayne	9/18/1998
7616	25° 54'	80° 7'	94909	HAULOVER MARINA	FDEP	Class V Non-ASR	-	99	54	Biscayne	3/4/2008
7617	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	99	67	Biscayne	4/23/2001
7618	25° 47'	80° 10'	88280	WATSON ISLAND ACCESS ROAD	FDEP	Class V Non-ASR	-	99	58	Biscayne	2/8/2002
7619	25° 51'	80° 7'	90007	NORTH SHORE PARK & YOUTH CENTER	FDEP	Class V Non-ASR	-	99	60	Biscayne	9/24/2002
7620	25° 53'	80° 7'	91613	SURFSIDE MALL	FDEP	Class V Non-ASR	-	99	62	Biscayne	4/24/2004
7621	25° 47'	80° 8'	91245	801-821 LINCOLN ROAD	FDEP	Class V Non-ASR	-	99	57	Biscayne	11/14/2003
7622	25° 48'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	99	83	Biscayne	7/18/2006
7623	25° 46'	80° 9'	92003	PORT OF MIAMI	FDEP	Class V Non-ASR	-	99	62	Biscayne	4/8/2004
7624	25° 47'	80° 7'	94624	W HOTEL RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	99	80	Biscayne	4/20/2007
7625	25° 47'	80° 7'	94624	W HOTEL RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	99	80	Biscayne	4/29/2007
7626	25° 47'	80° 12'	102742	MODERA RIVERHOUSE	FDEP	Class V Non-ASR	-	99	86	Biscayne	4/24/2017
7627	25° 44'	80° 12'	102134	ARCHBISHOP CARROLL MANOR	FDEP	Class V Non-ASR	-	100	76	Biscayne	12/18/2014
7628	25° 47'	80° 7'	102162	KASKADES	FDEP	Class V Non-ASR	-	100	75	Biscayne	2/4/2015
7629	25° 49'	80° 8'	101753	LEVIN RESIDENCE	FDEP	Class V Non-ASR	-	100	70	Biscayne	7/16/2014
7630	25° 43'	80° 15'	98584	4585 PONCE	FDEP	Class V Non-ASR	-	100	61	Biscayne	8/22/2011
7631	25° 43'	80° 15'	98584	4585 PONCE	FDEP	Class V Non-ASR	-	100	61	Biscayne	8/26/2011
7632	25° 53'	80° 8'	101913	KAI/ BAY HARBOR RESIDENCE	FDEP	Class V Non-ASR	-	100	62	Biscayne	8/28/2014
7633	25° 47'	80° 8'	101044	14 WEST AVENUE APARTMENTS	FDEP	Class V Non-ASR	-	100	60	Biscayne	7/16/2019
7634	25° 47'	80° 8'	101044	14 WEST AVENUE APARTMENTS	FDEP	Class V Non-ASR	-	100	57	Biscayne	7/16/2019
7635	25° 45'	80° 11'	101863	BRICKELL HEIGHTS I & II	FDEP	Class V Non-ASR	-	100	76	Biscayne	7/11/2014
7636	25° 45'	80° 11'	101863	BRICKELL HEIGHTS I & II	FDEP	Class V Non-ASR	-	100	77	Biscayne	7/15/2014
7637	25° 45'	80° 11'	101863	BRICKELL HEIGHTS I & II	FDEP	Class V Non-ASR	-	100	77	Biscayne	7/17/2014
7638	25° 53'	80° 7'	101864	OCEANA AKA CONSULTATIO	FDEP	Class V Non-ASR	-	100	76	Biscayne	12/4/2015
7639	25° 53'	80° 7'	101864	OCEANA AKA CONSULTATIO	FDEP	Class V Non-ASR	-	100	75	Biscayne	9/28/2015
7640	25° 53'	80° 7'	101864	OCEANA AKA CONSULTATIO	FDEP	Class V Non-ASR	-	100	77	Biscayne	11/23/2015
7641	25° 53'	80° 7'	101864	OCEANA AKA CONSULTATIO	FDEP	Class V Non-ASR	-	100	77	Biscayne	5/17/2016
7642	25° 53'	80° 7'	101864	OCEANA AKA CONSULTATIO	FDEP	Class V Non-ASR	-	100	77	Biscayne	5/13/2016
7643	25° 53'	80° 7'	101864	OCEANA AKA CONSULTATIO	FDEP	Class V Non-ASR	-	100	77	Biscayne	5/11/2016
7644	25° 46'	80° 7'	97756	ARMANI EXCHANGE	FDEP	Class V Non-ASR	-	100	70	Biscayne	3/31/2009
7645	25° 43'	80° 15'	101116	4345 PONCE DE LEON II BUILDING	FDEP	Class V Non-ASR	-	100	61	Biscayne	4/25/2013
7646	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	100	77	Biscayne	4/25/2019
7647	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	100	76	Biscayne	4/16/2016
7648	25° 47'	80° 12'	97817	HIGHLAND PARK CENTER	FDEP	Class V Non-ASR	-	100	77	Biscayne	6/15/2009
7649	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	100	84	Biscayne	12/20/2013
7650	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	100	80	Biscayne	8/12/2014
7651	25° 53'	80° 7'	102301	AM TRUST BANK - 9564 HARDING AVENUE	FDEP	Class V Non-ASR	-	100	82	Biscayne	1/1/1970
7652	25° 53'	80° 7'	100520	CROWN OF THE OCEAN CONDO	FDEP	Class V Non-ASR	-	100	86	Biscayne	5/13/2013
7653	25° 51'	80° 8'	99417	BISCAYNE POINT NEIGHBORHOOD	FDEP	Class V Non-ASR	-	100	90	Biscayne	10/26/2012
7654	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	100	78	Biscayne	9/12/2013
7655	25° 49'	80° 7'	102026	RITZ CARLTON RESIDENCES	FDEP	Class V Non-ASR	-	100	70	Biscayne	1/27/2016
7656	25° 53'	80° 7'	102359	SERENO EAST	FDEP	Class V Non-ASR	-	100	87	Biscayne	7/6/2015

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
7657	25° 46'	80° 12'	56437	OUTFALL AT MIAMI RIVER AND NW 13ST	FDEP	Class V Non-ASR	-	100	80	Biscayne	1/4/1988
7658	25° 46'	80° 12'	56437	OUTFALL AT MIAMI RIVER AND NW 13ST	FDEP	Class V Non-ASR	-	100	80	Biscayne	1/4/1988
7659	25° 46'	80° 12'	56437	OUTFALL AT MIAMI RIVER AND NW 13ST	FDEP	Class V Non-ASR	-	100	80	Biscayne	1/4/1988
7660	25° 46'	80° 12'	56437	OUTFALL AT MIAMI RIVER AND NW 13ST	FDEP	Class V Non-ASR	-	100	80	Biscayne	1/4/1988
7661	25° 46'	80° 13'	56437	OUTFALL AT MIAMI RIVER AND NW 13ST	FDEP	Class V Non-ASR	-	100	80	Biscayne	1/4/1988
7662	25° 46'	80° 10'	56464	ROYAL CARIBEAN CRUISE LINES	FDEP	Class V Non-ASR	-	100	58	Biscayne	1/25/1990
7663	25° 47'	80° 11'	56486	OMNI STATIONS	FDEP	Class V Non-ASR	-	100	80	Biscayne	3/11/1992
7664	25° 47'	80° 11'	56486	OMNI STATIONS	FDEP	Class V Non-ASR	-	100	80	Biscayne	3/11/1992
7665	25° 47'	80° 11'	56486	OMNI STATIONS	FDEP	Class V Non-ASR	-	100	80	Biscayne	3/11/1992
7666	25° 44'	80° 9'	56489	MARITIME & SCIENCE TECHNOLOGY ACADEMY	FDEP	Class V Non-ASR	-	100	80	Biscayne	11/27/1991
7667	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	100	70	Biscayne	10/8/1993
7668	25° 46'	80° 9'	56541	TEMP.CARGO CONTROL, WEST OF SHED-E	FDEP	Class V Non-ASR	-	100	80	Biscayne	10/4/1993
7669	25° 48'	80° 11'	102355	ONE PARAISO	FDEP	Class V Non-ASR	-	100	79	Biscayne	8/21/2015
7670	25° 53'	80° 7'	59517	PRU SHEL MAJESTIC TOWERS	FDEP	Class V Non-ASR	-	100	82	Biscayne	11/4/1994
7671	25° 51'	80° 7'	58837	THE STERLING	FDEP	Class V Non-ASR	-	100	60	Biscayne	6/10/1994
7672	25° 42'	80° 15'	58860	P.H. L.O. INC.	FDEP	Class V Non-ASR	-	100	80	Biscayne	3/13/1992
7673	25° 46'	80° 11'	57494	TAJ OFFICE RENOVATION	FDEP	Class V Non-ASR	-	100	80	Biscayne	1/28/1987
7674	25° 44'	80° 15'	57533	GABLES SQUARE OFFICE BUILDING	FDEP	Class V Non-ASR	-	100	90	Biscayne	8/2/1985
7675	25° 41'	80° 9'	59008	KEY BISCAYNE SHOPPING CENTER	FDEP	Class V Non-ASR	-	100	80	Biscayne	2/13/1992
7676	25° 41'	80° 9'	59008	KEY BISCAYNE SHOPPING CENTER	FDEP	Class V Non-ASR	-	100	80	Biscayne	2/13/1992
7677	25° 41'	80° 9'	59008	KEY BISCAYNE SHOPPING CENTER	FDEP	Class V Non-ASR	-	100	80	Biscayne	2/13/1992
7678	25° 41'	80° 9'	59008	KEY BISCAYNE SHOPPING CENTER	FDEP	Class V Non-ASR	-	100	80	Biscayne	2/13/1992
7679	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	100	75	Biscayne	1/20/2018
7680	25° 46'	80° 7'	57641	SURFACE PARKING LOT - 1A IMPROVEMENTS	FDEP	Class V Non-ASR	-	100	76	Biscayne	8/1/2018
7681	25° 46'	80° 7'	57641	SURFACE PARKING LOT - 1A IMPROVEMENTS	FDEP	Class V Non-ASR	-	100	76	Biscayne	8/14/2018
7682	25° 43'	80° 14'	56985	DINNER KEY PAVING & LANDSIDE UTIL.	FDEP	Class V Non-ASR	-	100	80	Biscayne	2/16/1987
7683	25° 43'	80° 14'	56985	DINNER KEY PAVING & LANDSIDE UTIL.	FDEP	Class V Non-ASR	-	100	80	Biscayne	2/16/1987
7684	25° 43'	80° 13'	56985	DINNER KEY PAVING & LANDSIDE UTIL.	FDEP	Class V Non-ASR	-	100	80	Biscayne	2/16/1987
7685	25° 43'	80° 14'	56985	DINNER KEY PAVING & LANDSIDE UTIL.	FDEP	Class V Non-ASR	-	100	80	Biscayne	2/16/1987
7686	25° 47'	80° 12'	56988	CITY OF MIAMI NW 8 STR.HWY RD IMPVT	FDEP	Class V Non-ASR	-	100	72	Biscayne	9/8/1987
7687	25° 47'	80° 12'	56988	CITY OF MIAMI NW 8 STR.HWY RD IMPVT	FDEP	Class V Non-ASR	-	100	75	Biscayne	9/26/1987
7688	25° 46'	80° 11'	56991	CITY OF MIAMI -NORTH RIVER DRIVE	FDEP	Class V Non-ASR	-	100	80	Biscayne	1/12/1988
7689	25° 46'	80° 12'	56991	CITY OF MIAMI -NORTH RIVER DRIVE	FDEP	Class V Non-ASR	-	100	70	Biscayne	1/12/1988
7690	25° 46'	80° 12'	56991	CITY OF MIAMI -NORTH RIVER DRIVE	FDEP	Class V Non-ASR	-	100	70	Biscayne	1/12/1988
7691	25° 46'	80° 12'	56991	CITY OF MIAMI -NORTH RIVER DRIVE	FDEP	Class V Non-ASR	-	100	80	Biscayne	1/12/1988
7692	25° 46'	80° 12'	57013	PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	100	72	Biscayne	4/18/1990
7693	25° 46'	80° 12'	57013	PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	100	77	Biscayne	4/25/1990
7694	25° 55'	80° 7'	57044	HAULOVER BEACH PARKING LOT NO. 2	FDEP	Class V Non-ASR	-	100	51	Biscayne	12/23/1991
7695	25° 46'	80° 10'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	100	72	Biscayne	11/5/2014
7696	25° 46'	80° 10'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	100	72	Biscayne	11/10/2014
7697	25° 51'	80° 7'	57730	81ST BRIDGE/BISCAYNE WATERWAY	FDEP	Class V Non-ASR	-	100	70	Biscayne	10/5/1991
7698	25° 51'	80° 7'	57730	81ST BRIDGE/BISCAYNE WATERWAY	FDEP	Class V Non-ASR	-	100	70	Biscayne	10/5/1991
7699	25° 47'	80° 7'	57120	16TH STREET IMPROVEMENT	FDEP	Class V Non-ASR	-	100	77	Biscayne	5/28/1998
7700	25° 51'	80° 8'	57123	CALAIS DRIVE	FDEP	Class V Non-ASR	-	100	82	Biscayne	9/22/1998
7701	25° 46'	80° 10'	57069	MSRC SITE,S.W. DODGE ISLAND, PH.LL	FDEP	Class V Non-ASR	-	100	54	Biscayne	12/20/1993
7702	25° 46'	80° 10'	57069	MSRC SITE,S.W. DODGE ISLAND, PH.LL	FDEP	Class V Non-ASR	-	100	57	Biscayne	12/20/1993
7703	25° 46'	80° 10'	57069	MSRC SITE,S.W. DODGE ISLAND, PH.LL	FDEP	Class V Non-ASR	-	100	63	Biscayne	9/6/2019
7704	25° 42'	80° 14'	57077	LOCAL DRAINAGE PROJECT E-70	FDEP	Class V Non-ASR	-	100	67	Biscayne	11/30/1994
7705	25° 48'	80° 15'	58580	MOBY MARINE, INC.	FDEP	Class V Non-ASR	-	100	80	Biscayne	11/24/1991
7706	25° 45'	80° 11'	57926	VILLA REGINA	FDEP	Class V Non-ASR	-	100	95	Biscayne	11/22/1980
7707	25° 51'	80° 7'	57938	CRYSTAL BEACH	FDEP	Class V Non-ASR	-	100	66	Biscayne	9/20/1989
7708	25° 47'	80° 14'	58659	BAXTER DIAGNOSTICS, INC.	FDEP	Class V Non-ASR	-	100	40	Biscayne	9/20/1989
7709	25° 51'	80° 7'	59353	PARK BEACH CONDOMINIUM	FDEP	Class V Non-ASR	-	100	80	Biscayne	5/10/1994
7710	25° 46'	80° 8'	59376	AMNESIA	FDEP	Class V Non-ASR	-	100	68	Biscayne	2/9/1994
7711	25° 47'	80° 8'	59437	POLLO TROPICAL	FDEP	Class V Non-ASR	-	100	78	Biscayne	6/11/1994
7712	25° 46'	80° 8'	58043	MIAMI BEACH GOLD CLUB	FDEP	Class V Non-ASR	-	100	81	Biscayne	2/7/1990
7713	25° 46'	80° 8'	58043	MIAMI BEACH GOLD CLUB	FDEP	Class V Non-ASR	-	100	81	Biscayne	4/9/2018
7714	25° 46'	80° 8'	58043	MIAMI BEACH GOLD CLUB	FDEP	Class V Non-ASR	-	100	81	Biscayne	7/6/2018
7715	25° 46'	80° 8'	58043	MIAMI BEACH GOLD CLUB	FDEP	Class V Non-ASR	-	100	81	Biscayne	7/27/2018
7716	25° 47'	80° 12'	58068	CIVIC CENTER STORM SEWER RETRO FIT	FDEP	Class V Non-ASR	-	100	78	Biscayne	4/17/1990
7717	25° 44'	80° 15'	58076	CONTINENTAL EXECUTIVE CENTER	FDEP	Class V Non-ASR	-	100	86	Biscayne	6/11/1990
7718	25° 48'	80° 12'	61718	WOOD,JR.,TILLMAN	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/30/1984
7719	25° 45'	80° 12'	62537	HARPER, FRANK	FDEP	Class V Non-ASR	-	100	90	Biscayne	10/15/1984
7720	25° 46'	80° 11'	60202	FLORIDA POWER AND LIGHT CO.	FDEP	Class V Non-ASR	-	100	78	Biscayne	1/29/1982
7721	25° 46'	80° 11'	60202	FLORIDA POWER AND LIGHT CO.	FDEP	Class V Non-ASR	-	100	75	Biscayne	2/5/1982
7722	25° 43'	80° 14'	60206	GROVE AT GRAND BAY CONDOMINIUMS	FDEP	Class V Non-ASR	-	100	72	Biscayne	7/27/2013
7723	25° 50'	80° 7'	60215	LE TRIANON	FDEP	Class V Non-ASR	-	100	90	Biscayne	10/7/1980
7724	25° 53'	80° 7'	60219	TIFFANY OF BAL HARBOUR	FDEP	Class V Non-ASR	-	100	78	Biscayne	8/6/1983
7725	25° 53'	80° 7'	60230	OLYMPIA AND YORK FI.A. EQUITY CORP.	FDEP	Class V Non-ASR	-	100	87	Biscayne	5/6/1982
7726	25° 46'	80° 11'	60235	DOWNTOWN GOV'T CNTRL SUPPORT FAC.	FDEP	Class V Non-ASR	-	100	91	Biscayne	11/1/1983
7727	25° 46'	80° 11'	60957	CITY PARKING GARAGE	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/23/1984
7728	25° 50'	80° 11'	60981	COBB'S FRUIT & PRESERVES	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/23/1984
7729	25° 47'	80° 7'	61763	TROPICS HOTEL	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/31/1984
7730	25° 43'	80° 16'	61791	UNIVERISTY OF MIAMI	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/1/1984
7731	25° 53'	80° 11'	62572	FRASER'S RESTAURANT	FDEP	Class V Non-ASR	-	100	0	Biscayne	10/16/1984
7732	25° 45'	80° 11'	60274	1221 BRICKELL AMERISWISS ASSOCIATES	FDEP	Class V Non-ASR	-	100	58	Biscayne	9/24/1984
7733	25° 51'	80° 7'	60276	DEAUVILLE HOTEL	FDEP	Class V Non-ASR	-	100	90	Biscayne	11/30/1978
7734	25° 48'	80° 15'	61000	CONSOL. VULTEE AIRCRAFT	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/24/1984
7735	25° 46'	80° 11'	61011	CORNBLEET BROTHERS	FDEP	Class V Non-ASR	-	100	54	Biscayne	8/24/1984
7736	25° 47'	80° 8'	61023	COWEN SHOE STORES	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/24/1984
7737	25° 50'	80° 11'	61033	CRYSTAL SPRINGS WATER	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/27/1984
7738	25° 48'	80° 11'	61816	VENETIAN BLIND LAUNDRY	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/2/1984
7739	25° 44'	80° 12'	60305	MERCY HOSPITAL PARKING LOT	FDEP	Class V Non-ASR	-	100	80	Biscayne	4/30/1986
7740	25° 44'	80° 14'	60321	2424 BUILDING	FDEP	Class V Non-ASR	-	100	80	Biscayne	8/30/1984
7741	25° 52'	80° 7'	60329	STELLA MARIS HOUSE, INC.	FDEP	Class V Non-ASR	-	100	73	Biscayne	4/17/1985
7742	25° 44'	80° 15'	61066	SNYDER, D. R.	FDEP	Class V Non-ASR	-	100	99	Biscayne	8/28/1984
7743	25° 48'	80° 17'	61083	DADE COUNTY PORT AUTHORITY	FDEP	Class V Non-ASR	-	100	87	Biscayne	8/30/1984
7744	25° 47'	80° 12'	61085	DADE COUNTY PUBLIC SCHOOLS	FDEP	Class V Non-ASR	-	100	90	Biscayne	8/30/1984
7745	25° 43'	80° 14'	61874	DREDGING, W. T. PRICE	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/7/1984

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
7746	25° 46'	80° 8'	61885	WALGREEN DRUG STORE	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/7/1984
7747	25° 47'	80° 8'	59623	TROPICAL CONDOMINIUM	FDEP	Class V Non-ASR	-	100	74	Biscayne	3/1/1995
7748	25° 42'	80° 17'	60359	SAN IGNACIO OFFICE BUILDING	FDEP	Class V Non-ASR	-	100	75	Biscayne	2/17/1986
7749	25° 53'	80° 7'	59703	BAY HARBOR ELEMENTARY	FDEP	Class V Non-ASR	-	100	70	Biscayne	8/7/2018
7750	25° 53'	80° 7'	59703	BAY HARBOR ELEMENTARY	FDEP	Class V Non-ASR	-	100	70	Biscayne	8/7/2018
7751	25° 42'	80° 15'	59704	THE GABLES	FDEP	Class V Non-ASR	-	100	60	Biscayne	2/14/1996
7752	25° 44'	80° 14'	61156	DEPT OF PUBLIC WORKS	FDEP	Class V Non-ASR	-	100	90	Biscayne	9/4/1984
7753	25° 49'	80° 15'	61162	DETROIT HARDWARE DIE CASTING	FDEP	Class V Non-ASR	-	100	100	Biscayne	9/4/1984
7754	25° 52'	80° 10'	61176	DOLLY MADISON DAIRIES	FDEP	Class V Non-ASR	-	100	0	Biscayne	9/4/1984
7755	25° 47'	80° 7'	61196	DORCHESTER HOTEL	FDEP	Class V Non-ASR	-	100	0	Biscayne	9/4/1984
7756	25° 48'	80° 15'	60449	AIRCRAFT PLATING	FDEP	Class V Non-ASR	-	100	90	Biscayne	7/20/1984
7757	25° 53'	80° 13'	61202	SMITH. DOUGLAS	FDEP	Class V Non-ASR	-	100	0	Biscayne	9/4/1984
7758	25° 48'	80° 11'	62012	WPLG TV	FDEP	Class V Non-ASR	-	100	80	Biscayne	6/1/2019
7759	25° 48'	80° 11'	62012	WPLG TV	FDEP	Class V Non-ASR	-	100	83	Biscayne	7/2/2018
7760	25° 48'	80° 11'	62012	WPLG TV	FDEP	Class V Non-ASR	-	100	83	Biscayne	7/2/2018
7761	25° 48'	80° 15'	62041	BAKER, GEOREGE T.	FDEP	Class V Non-ASR	-	100	0	Biscayne	11/16/1984
7762	25° 46'	80° 8'	59758	PORTOFINO TOWER	FDEP	Class V Non-ASR	-	100	70	Biscayne	4/11/1996
7763	25° 46'	80° 8'	59758	PORTOFINO TOWER	FDEP	Class V Non-ASR	-	100	72	Biscayne	4/11/1996
7764	25° 46'	80° 8'	59758	PORTOFINO TOWER	FDEP	Class V Non-ASR	-	100	70	Biscayne	4/11/1996
7765	25° 46'	80° 15'	60498	INTEREAN, ALFRED	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/27/1984
7766	25° 48'	80° 12'	60507	ALIX CORP.	FDEP	Class V Non-ASR	-	100	55	Biscayne	7/27/1984
7767	25° 48'	80° 12'	60525	AMERICAN BAKERIES CO.	FDEP	Class V Non-ASR	-	100	90	Biscayne	7/30/1984
7768	25° 47'	80° 12'	61254	DR. PEPPER BOTTLING	FDEP	Class V Non-ASR	-	100	65	Biscayne	9/6/1984
7769	25° 47'	80° 12'	61254	DR. PEPPER BOTTLING	FDEP	Class V Non-ASR	-	100	0	Biscayne	9/6/1984
7770	25° 45'	80° 15'	62066	SEESE, GEORGE M.	FDEP	Class V Non-ASR	-	100	0	Biscayne	9/13/1984
7771	25° 41'	80° 9'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	100	80	Biscayne	4/18/1996
7772	25° 41'	80° 10'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	100	60	Biscayne	4/18/1996
7773	25° 50'	80° 7'	60568	ARKIN CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	100	85	Biscayne	7/31/1984
7774	25° 50'	80° 7'	60568	ARKIN CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	100	85	Biscayne	7/31/1984
7775	25° 48'	80° 16'	61308	EASTERN AIRLINES	FDEP	Class V Non-ASR	-	100	0	Biscayne	9/10/1984
7776	25° 48'	80° 16'	61308	EASTERN AIRLINES	FDEP	Class V Non-ASR	-	100	0	Biscayne	9/10/1984
7777	25° 42'	80° 16'	62113	WHITTENBERG, GEORGE	FDEP	Class V Non-ASR	-	100	95	Biscayne	9/19/1984
7778	25° 47'	80° 11'	62144	GREEN DISTRIBUTORS	FDEP	Class V Non-ASR	-	100	0	Biscayne	9/20/1984
7779	25° 47'	80° 7'	59873	RAFFEE'S PLACE	FDEP	Class V Non-ASR	-	100	80	Biscayne	8/22/1996
7780	25° 50'	80° 9'	59847	NORTH BAY ISLAND & TREASURE ISLAND	FDEP	Class V Non-ASR	-	100	65	Biscayne	7/9/1996
7781	25° 41'	80° 9'	59857	OCEANA RESIDENCES AT KEY BISCAYNE	FDEP	Class V Non-ASR	-	100	80	Biscayne	3/5/2013
7782	25° 41'	80° 9'	59857	OCEANA RESIDENCES AT KEY BISCAYNE	FDEP	Class V Non-ASR	-	100	80	Biscayne	3/1/2013
7783	25° 41'	80° 9'	59857	OCEANA RESIDENCES AT KEY BISCAYNE	FDEP	Class V Non-ASR	-	100	80	Biscayne	1/15/2013
7784	25° 41'	80° 9'	59857	OCEANA RESIDENCES AT KEY BISCAYNE	FDEP	Class V Non-ASR	-	100	80	Biscayne	1/17/2013
7785	25° 41'	80° 9'	59857	OCEANA RESIDENCES AT KEY BISCAYNE	FDEP	Class V Non-ASR	-	100	80	Biscayne	1/21/2013
7786	25° 41'	80° 9'	59857	OCEANA RESIDENCES AT KEY BISCAYNE	FDEP	Class V Non-ASR	-	100	80	Biscayne	1/23/2013
7787	25° 41'	80° 9'	59857	OCEANA RESIDENCES AT KEY BISCAYNE	FDEP	Class V Non-ASR	-	100	80	Biscayne	12/21/2012
7788	25° 41'	80° 9'	59857	OCEANA RESIDENCES AT KEY BISCAYNE	FDEP	Class V Non-ASR	-	100	80	Biscayne	12/18/2012
7789	25° 44'	80° 15'	60688	REIN, BENARD	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/7/1984
7790	25° 47'	80° 7'	61426	SANDS HOTEL	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/19/1984
7791	25° 48'	80° 11'	62240	HART DRUG CORP.	FDEP	Class V Non-ASR	-	100	0	Biscayne	9/28/1984
7792	25° 46'	80° 8'	59919	ARMITAGE PLACE	FDEP	Class V Non-ASR	-	100	80	Biscayne	11/20/1996
7793	25° 49'	80° 11'	60738	BISCAYNE ARMS APTS.	FDEP	Class V Non-ASR	-	100	93	Biscayne	8/10/1984
7794	25° 49'	80° 12'	61475	SHELL'S CITY OF MIA.	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/19/1984
7795	25° 45'	80° 15'	62287	NITA APARTMENTS	FDEP	Class V Non-ASR	-	100	85	Biscayne	11/15/1984
7796	25° 47'	80° 10'	59965	MIDDLE GROUND SUBDIVISION	FDEP	Class V Non-ASR	-	100	80	Biscayne	10/14/1997
7797	25° 46'	80° 11'	60008	AMERICAN AILRLINES ARENA	FDEP	Class V Non-ASR	-	100	71	Biscayne	2/18/1999
7798	25° 45'	80° 11'	60768	BRIGHAM ASSOC. INC.	FDEP	Class V Non-ASR	-	100	91	Biscayne	8/15/1984
7799	25° 44'	80° 13'	61514	SLAPSEY-MAXIE CLUB	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/20/1984
7800	25° 47'	80° 11'	61518	SMITH, RICH. & CONROY	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/20/1984
7801	25° 48'	80° 16'	61522	SO. BELL TELE. & TELE. CO.	FDEP	Class V Non-ASR	-	100	90	Biscayne	7/20/1984
7802	25° 48'	80° 11'	61553	SOUTH DAIRIES, INC.	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/20/1984
7803	25° 46'	80° 11'	61557	SOUTHERN FINANCE CO.	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/20/1984
7804	25° 47'	80° 7'	61601	STEINHARDT PROPERTIES, INC.	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/23/1984
7805	25° 50'	80° 11'	62403	MCMILLAN,F.I.	FDEP	Class V Non-ASR	-	100	0	Biscayne	9/24/1984
7806	25° 51'	80° 10'	60858	CARVER APTARTMENTS	FDEP	Class V Non-ASR	-	100	95	Biscayne	8/17/1984
7807	25° 53'	80° 9'	60874	NELSON, CHARLES F.	FDEP	Class V Non-ASR	-	100	58	Biscayne	8/20/1984
7808	25° 47'	80° 7'	60113	DI LIDO HOTEL	FDEP	Class V Non-ASR	-	100	90	Biscayne	4/16/1980
7809	25° 45'	80° 11'	60117	EQUITABLE LIFE ASSURANCE SOCIETY	FDEP	Class V Non-ASR	-	100	87	Biscayne	9/24/1984
7810	25° 44'	80° 14'	60119	GROVE PLAZA LTD.	FDEP	Class V Non-ASR	-	100	90	Biscayne	4/23/1985
7811	25° 44'	80° 13'	60127	GROVE ISLAND PHASE 2	FDEP	Class V Non-ASR	-	100	85	Biscayne	12/5/1980
7812	25° 46'	80° 14'	60133	TERREMARK, INC.	FDEP	Class V Non-ASR	-	100	85	Biscayne	3/7/1981
7813	25° 46'	80° 14'	60133	TERREMARK, INC.	FDEP	Class V Non-ASR	-	100	83	Biscayne	3/18/1981
7814	25° 46'	80° 11'	60136	MIAMI CENTER	FDEP	Class V Non-ASR	-	100	94	Biscayne	4/11/1981
7815	25° 48'	80° 11'	60928	CITY ICE & FUEL CO.	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/21/1984
7816	25° 50'	80° 11'	60930	CITY ICE & FUEL CO.	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/21/1984
7817	25° 50'	80° 18'	60934	CITY OF HIALEAH - WALKER PARK	FDEP	Class V Non-ASR	-	100	88	Biscayne	8/21/1984
7818	25° 45'	80° 13'	61673	MULLEN, T. R.	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/25/1984
7819	25° 47'	80° 12'	61696	JACKSON CORP.,THE	FDEP	Class V Non-ASR	-	100	84	Biscayne	7/25/1984
7820	25° 48'	80° 11'	62484	FLORIDA WELL DRILLERS	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/26/1985
7821	25° 46'	80° 14'	62490	FLAGLER HYDRO.	FDEP	Class V Non-ASR	-	100	85	Biscayne	10/5/1984
7822	25° 47'	80° 14'	62494	FLEISHER STUDIOS	FDEP	Class V Non-ASR	-	100	0	Biscayne	10/8/1984
7823	25° 46'	80° 16'	63377	RODRIQUEZ, HECTOR J.	FDEP	Class V Non-ASR	-	100	85	Biscayne	7/5/1984
7824	25° 41'	80° 19'	63391	HENRY D. LAND COMPANY	FDEP	Class V Non-ASR	-	100	85	Biscayne	7/5/1984
7825	25° 47'	80° 12'	64202	MAXWELL CO. INC	FDEP	Class V Non-ASR	-	100	0	Biscayne	10/16/1984
7826	25° 47'	80° 12'	64247	MIA. CRYSTAL ICE. CO.	FDEP	Class V Non-ASR	-	100	0	Biscayne	10/22/1984
7827	25° 46'	80° 12'	63434	ROSENBAUM HERMAN	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/6/1984
7828	25° 47'	80° 16'	64252	MIA. INTL AIRPORT	FDEP	Class V Non-ASR	-	100	79	Biscayne	10/22/1984
7829	25° 51'	80° 11'	64261	MIAMI SHORES PRESBYTERIAN CHURCH	FDEP	Class V Non-ASR	-	100	90	Biscayne	10/23/1984
7830	25° 52'	80° 10'	64263	MIAMI SHORES CITY CLUB	FDEP	Class V Non-ASR	-	100	0	Biscayne	10/23/1984
7831	25° 48'	80° 16'	62716	PAN AMERICAN AIRWAYS	FDEP	Class V Non-ASR	-	100	0	Biscayne	10/19/1984
7832	25° 46'	80° 13'	63479	HOWARD JOHN INC.	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/9/1984
7833	25° 46'	80° 13'	63486	HOWARD JOHNSON, INC.	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/9/1984
7834	25° 47'	80° 11'	63487	HOWARD JOHNSON, INC.	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/9/1984

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
7835	25° 50'	80° 11'	63488	HOWARD JOHNSONS	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/9/1984
7836	25° 53'	80° 10'	63525	SCHERR, IRVIN	FDEP	Class V Non-ASR	-	100	85	Biscayne	7/9/1984
7837	25° 45'	80° 15'	63565	FRETWELL, J. E.	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/11/1984
7838	25° 45'	80° 12'	63568	JONES, J. G.	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/11/1984
7839	25° 39'	80° 17'	62731	KIRBY, PATRICIA	FDEP	Class V Non-ASR	-	100	0	Biscayne	10/19/1984
7840	25° 48'	80° 13'	62756	PEPSI-COLA BOTTLING OF MIAMI	FDEP	Class V Non-ASR	-	100	0	Biscayne	9/6/1985
7841	25° 52'	80° 11'	62769	PHILBRICK-VICKER FUNERAL HOME	FDEP	Class V Non-ASR	-	100	0	Biscayne	10/26/1984
7842	25° 43'	80° 15'	63594	J. MEELDOW, INC.	FDEP	Class V Non-ASR	-	100	0	Biscayne	7/12/1984
7843	25° 53'	80° 11'	63628	LURIE, JACK	FDEP	Class V Non-ASR	-	100	85	Biscayne	7/13/1984
7844	25° 40'	80° 17'	62837	COLLINS, R. C.	FDEP	Class V Non-ASR	-	100	0	Biscayne	11/5/1984
7845	25° 40'	80° 18'	62837	COLLINS, R. C.	FDEP	Class V Non-ASR	-	100	0	Biscayne	11/5/1984
7846	25° 40'	80° 17'	62837	COLLINS, R. C.	FDEP	Class V Non-ASR	-	100	0	Biscayne	11/5/1984
7847	25° 40'	80° 17'	62838	R. C. COLLINS	FDEP	Class V Non-ASR	-	100	0	Biscayne	11/13/1984
7848	25° 42'	80° 16'	63637	STEIN, JACK	FDEP	Class V Non-ASR	-	100	75	Biscayne	7/19/1984
7849	25° 45'	80° 13'	62912	REGISTER APPLIANCE	FDEP	Class V Non-ASR	-	100	80	Biscayne	11/19/1984
7850	25° 45'	80° 14'	62921	SYLVIA, GEORGE H.	FDEP	Class V Non-ASR	-	100	0	Biscayne	11/19/1984
7851	25° 53'	80° 7'	62926	GULF OIL CO.	FDEP	Class V Non-ASR	-	100	0	Biscayne	11/19/1984
7852	25° 47'	80° 12'	62931	GULF STREAM ICE CO.	FDEP	Class V Non-ASR	-	100	0	Biscayne	11/19/1984
7853	25° 53'	80° 10'	62936	NORTH MIAMI LAUNDRY & CLEANERS	FDEP	Class V Non-ASR	-	100	0	Biscayne	1/1/1997
7854	25° 49'	80° 15'	62938	NATIONAL WELDING SUPPLY	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/16/1985
7855	25° 46'	80° 11'	62942	NOBLE BOTTLE COMPANY	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/16/1985
7856	25° 48'	80° 15'	62944	NUWAY TOWEL SUPPLY	FDEP	Class V Non-ASR	-	100	91	Biscayne	11/20/1984
7857	25° 43'	80° 15'	63817	MEELDOW, JOSEPH	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/13/1984
7858	25° 50'	80° 11'	63820	HIRSCH, JOSEPH P.	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/13/1984
7859	25° 46'	80° 11'	65335	BAYSIDE MARKETPLACE	FDEP	Class V Non-ASR	-	100	80	Biscayne	12/30/1986
7860	25° 46'	80° 11'	65335	BAYSIDE MARKETPLACE	FDEP	Class V Non-ASR	-	100	80	Biscayne	12/30/1986
7861	25° 46'	80° 11'	65335	BAYSIDE MARKETPLACE	FDEP	Class V Non-ASR	-	100	80	Biscayne	12/30/1986
7862	25° 46'	80° 11'	65335	BAYSIDE MARKETPLACE	FDEP	Class V Non-ASR	-	100	80	Biscayne	12/30/1986
7863	25° 46'	80° 11'	65335	BAYSIDE MARKETPLACE	FDEP	Class V Non-ASR	-	100	80	Biscayne	12/30/1986
7864	25° 46'	80° 11'	65335	BAYSIDE MARKETPLACE	FDEP	Class V Non-ASR	-	100	80	Biscayne	12/30/1986
7865	25° 46'	80° 11'	65335	BAYSIDE MARKETPLACE	FDEP	Class V Non-ASR	-	100	80	Biscayne	12/30/1986
7866	25° 50'	80° 8'	65337	TREASURE ISLE CONVALESCENT HOME	FDEP	Class V Non-ASR	-	100	71	Biscayne	3/6/1986
7867	25° 49'	80° 7'	63882	KISER DRILLING CO.	FDEP	Class V Non-ASR	-	100	0	Biscayne	9/6/1984
7868	25° 47'	80° 7'	63883	KISER DRILLING COMPANY	FDEP	Class V Non-ASR	-	100	75	Biscayne	9/6/1984
7869	25° 47'	80° 7'	63885	KISER DRILLING CO.	FDEP	Class V Non-ASR	-	100	0	Biscayne	9/6/1984
7870	25° 46'	80° 13'	63933	YODER, L.	FDEP	Class V Non-ASR	-	100	0	Biscayne	8/16/1985
7871	25° 47'	80° 12'	65424	MDCC- MEDICAL CENTER CAMPUS	FDEP	Class V Non-ASR	-	100	80	Biscayne	5/30/1975
7872	25° 47'	80° 12'	65424	MDCC- MEDICAL CENTER CAMPUS	FDEP	Class V Non-ASR	-	100	80	Biscayne	5/30/1975
7873	25° 47'	80° 12'	65424	MDCC- MEDICAL CENTER CAMPUS	FDEP	Class V Non-ASR	-	100	80	Biscayne	5/30/1975
7874	25° 47'	80° 12'	65424	MDCC- MEDICAL CENTER CAMPUS	FDEP	Class V Non-ASR	-	100	80	Biscayne	5/30/1975
7875	25° 47'	80° 12'	65424	MDCC- MEDICAL CENTER CAMPUS	FDEP	Class V Non-ASR	-	100	80	Biscayne	5/30/1975
7876	25° 45'	80° 13'	63219	LASTRA, JESUS L.	FDEP	Class V Non-ASR	-	100	0	Biscayne	1/3/1985
7877	25° 42'	80° 15'	63221	MRS. AMY KLOSE	FDEP	Class V Non-ASR	-	100	0	Biscayne	1/3/1985
7878	25° 45'	80° 12'	63987	FISHER, LEON	FDEP	Class V Non-ASR	-	100	92	Biscayne	9/26/1984
7879	25° 46'	80° 10'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	100	54	Biscayne	5/14/1993
7880	25° 55'	80° 9'	65449	FDOT-STATE PROJECT NO. 87030-3573	FDEP	Class V Non-ASR	-	100	47	Biscayne	3/14/1994
7881	25° 49'	80° 7'	65474	WEST 47 STREET BRIDGE REPLACEMENT	FDEP	Class V Non-ASR	-	100	60	Biscayne	1/26/1997
7882	25° 49'	80° 7'	65474	WEST 47 STREET BRIDGE REPLACEMENT	FDEP	Class V Non-ASR	-	100	60	Biscayne	1/26/1997
7883	25° 49'	80° 7'	65474	WEST 47 STREET BRIDGE REPLACEMENT	FDEP	Class V Non-ASR	-	100	60	Biscayne	1/26/1997
7884	25° 50'	80° 11'	64028	LITTLE RIVER BANK & TRUST	FDEP	Class V Non-ASR	-	100	0	Biscayne	9/27/1984
7885	25° 50'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7886	25° 50'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7887	25° 50'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7888	25° 50'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7889	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7890	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7891	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7892	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7893	25° 50'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7894	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7895	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7896	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7897	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7898	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7899	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7900	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7901	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7902	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7903	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7904	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7905	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7906	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7907	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7908	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7909	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7910	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7911	25° 51'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/8/1994
7912	25° 50'	80° 7'	65493	FDOT-MIAMI BEACH NORTHSHORE	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/1/1994
7913	25° 50'	80° 7'	65504	FDOT 87000-3621 LA GORCE CANAL BRIDGE	FDEP	Class V Non-ASR	-	100	48	Biscayne	9/2/1998
7914	25° 47'	80° 7'	65511	SRA1A/COLLINS AVE.	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/31/1998
7915	25° 47'	80° 7'	65511	SRA1A/COLLINS AVE.	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/31/1998
7916	25° 47'	80° 7'	65511	SRA1A/COLLINS AVE.	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/31/1998
7917	25° 47'	80° 7'	65511	SRA1A/COLLINS AVE.	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/31/1998
7918	25° 47'	80° 7'	65511	SRA1A/COLLINS AVE.	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/31/1998
7919	25° 47'	80° 7'	65511	SRA1A/COLLINS AVE.	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/31/1998
7920	25° 47'	80° 7'	65511	SRA1A/COLLINS AVE.	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/31/1998
7921	25° 47'	80° 7'	65511	SRA1A/COLLINS AVE.	FDEP	Class V Non-ASR	-	100	60	Biscayne	12/31/1998
7922	25° 46'	80° 12'	65514	STATE ROAD 968/FLAGLER ST.	FDEP	Class V Non-ASR	-	100	80	Biscayne	12/22/1999
7923	25° 54'	80° 9'	64075	LUDMAN CORP.	FDEP	Class V Non-ASR	-	100	96	Biscayne	1/1/1970

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
7924	25° 46'	80° 11'	64092	LASKY, M. C.	FDEP	Class V Non-ASR	-	100	0	Biscayne	10/5/1984
7925	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	100	71	Biscayne	8/29/1999
7926	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	100	70	Biscayne	9/2/1999
7927	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	100	70	Biscayne	8/25/1999
7928	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	100	69	Biscayne	7/26/1999
7929	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	100	70	Biscayne	8/20/1999
7930	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	100	70	Biscayne	9/10/1999
7931	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	100	70	Biscayne	9/7/1999
7932	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	100	80	Biscayne	9/10/2001
7933	25° 53'	80° 7'	84948	FDOT SR922/NE96 ST. & SRAIA/COLLINS AVE.	FDEP	Class V Non-ASR	-	100	32	Biscayne	2/26/2001
7934	25° 53'	80° 7'	84948	FDOT SR922/NE96 ST. & SRAIA/COLLINS AVE.	FDEP	Class V Non-ASR	-	100	41	Biscayne	2/28/2001
7935	25° 53'	80° 7'	84948	FDOT SR922/NE96 ST. & SRAIA/COLLINS AVE.	FDEP	Class V Non-ASR	-	100	36	Biscayne	6/12/2001
7936	25° 53'	80° 7'	84948	FDOT SR922/NE96 ST. & SRAIA/COLLINS AVE.	FDEP	Class V Non-ASR	-	100	53	Biscayne	6/15/2001
7937	25° 53'	80° 7'	84948	FDOT SR922/NE96 ST. & SRAIA/COLLINS AVE.	FDEP	Class V Non-ASR	-	100	52	Biscayne	6/21/2001
7938	25° 53'	80° 7'	84948	FDOT SR922/NE96 ST. & SRAIA/COLLINS AVE.	FDEP	Class V Non-ASR	-	100	61	Biscayne	6/25/2001
7939	25° 46'	80° 7'	85435	CONTINUUM ON SOUTH BEACH	FDEP	Class V Non-ASR	-	100	69	Biscayne	10/2/2001
7940	25° 47'	80° 10'	88280	WATSON ISLAND ACCESS ROAD	FDEP	Class V Non-ASR	-	100	59	Biscayne	12/31/2001
7941	25° 46'	80° 8'	89010	FLAMINGO PARK	FDEP	Class V Non-ASR	-	100	70	Biscayne	11/28/2012
7942	25° 46'	80° 8'	89010	FLAMINGO PARK	FDEP	Class V Non-ASR	-	100	70	Biscayne	11/28/2012
7943	25° 46'	80° 8'	89010	FLAMINGO PARK	FDEP	Class V Non-ASR	-	100	71	Biscayne	12/1/2012
7944	25° 42'	80° 15'	88461	THE GABLES PHASE-II	FDEP	Class V Non-ASR	-	100	61	Biscayne	6/26/2003
7945	25° 43'	80° 14'	91515	GROVERNOR CONDOMINUM	FDEP	Class V Non-ASR	-	100	80	Biscayne	7/20/2004
7946	25° 44'	80° 14'	93138	LOFTS IN THE GROVE	FDEP	Class V Non-ASR	-	100	75	Biscayne	12/9/2005
7947	25° 50'	80° 11'	93148	DADE CO. HEALTH DEPT 80TH TER CLINIC	FDEP	Class V Non-ASR	-	100	87	Biscayne	6/20/2005
7948	25° 47'	80° 7'	91692	FIRE STATION # 2	FDEP	Class V Non-ASR	-	100	82	Biscayne	5/20/2005
7949	25° 48'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	100	76	Biscayne	6/14/2006
7950	25° 48'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	100	79	Biscayne	6/6/2006
7951	25° 49'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	100	84	Biscayne	5/16/2006
7952	25° 46'	80° 8'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	100	65	Biscayne	11/15/2005
7953	25° 46'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	100	66	Biscayne	6/7/2005
7954	25° 47'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	100	71	Biscayne	8/8/2005
7955	25° 54'	80° 9'	91463	BISCAYNE PLAZA	FDEP	Class V Non-ASR	-	100	63	Biscayne	5/11/2003
7956	25° 48'	80° 8'	92159	BAYSHORE GOLFCOURSE	FDEP	Class V Non-ASR	-	100	80	Biscayne	8/30/2004
7957	25° 43'	80° 14'	92176	GROVE GARDENS	FDEP	Class V Non-ASR	-	100	67	Biscayne	7/30/2004
7958	25° 46'	80° 11'	92912	LATITUDE ON THE RIVER	FDEP	Class V Non-ASR	-	100	80	Biscayne	12/16/2005
7959	25° 47'	80° 8'	95363	NEW WORLD SYMPHONY	FDEP	Class V Non-ASR	-	100	68	Biscayne	6/16/2008
7960	25° 47'	80° 8'	95363	NEW WORLD SYMPHONY	FDEP	Class V Non-ASR	-	100	70	Biscayne	6/16/2008
7961	25° 47'	80° 7'	94624	W HOTEL RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	100	80	Biscayne	5/1/2007
7962	25° 47'	80° 7'	94624	W HOTEL RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	100	80	Biscayne	4/10/2007
7963	25° 47'	80° 7'	94624	W HOTEL RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	100	80	Biscayne	4/5/2007
7964	25° 47'	80° 7'	94624	W HOTEL RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	100	80	Biscayne	4/25/2007
7965	25° 51'	80° 8'	94716	NORMANDY SHORES NEIGHBORHOOD NO 3	FDEP	Class V Non-ASR	-	100	75	Biscayne	1/30/2008
7966	25° 51'	80° 8'	94716	NORMANDY SHORES NEIGHBORHOOD NO 3	FDEP	Class V Non-ASR	-	100	80	Biscayne	10/5/2007
7967	25° 51'	80° 8'	94716	NORMANDY SHORES NEIGHBORHOOD NO 3	FDEP	Class V Non-ASR	-	100	80	Biscayne	10/4/2007
7968	25° 45'	80° 8'	94723	SOUTH POINTE PARK	FDEP	Class V Non-ASR	-	100	85	Biscayne	10/13/2007
7969	25° 43'	80° 14'	94240	KENNETH MEYERS PARK	FDEP	Class V Non-ASR	-	100	60	Biscayne	3/5/2001
7970	25° 47'	80° 12'	94257	INTERDISCIPLINARY LABORATORY BLDG	FDEP	Class V Non-ASR	-	100	85	Biscayne	6/27/2007
7971	25° 47'	80° 12'	94257	INTERDISCIPLINARY LABORATORY BLDG	FDEP	Class V Non-ASR	-	100	85	Biscayne	6/6/2007
7972	25° 51	80° 7'	94263	6800 INDIAN CREEK	FDEP	Class V Non-ASR	-	100	90	Biscayne	4/24/2019
7973	25° 45'	80° 11'	94337	BRICKELL STATION VILLAS	FDEP	Class V Non-ASR	-	100	90	Biscayne	9/4/2006
7974	25° 45'	80° 11'	94337	BRICKELL STATION VILLAS	FDEP	Class V Non-ASR	-	100	90	Biscayne	8/21/2006
7975	25° 47'	80° 7'	94363	MIAMI BEACH SENIOR HIGH	FDEP	Class V Non-ASR	-	100	73	Biscayne	11/3/2006
7976	25° 47'	80° 7'	94363	MIAMI BEACH SENIOR HIGH	FDEP	Class V Non-ASR	-	100	74	Biscayne	11/8/2006
7977	25° 46'	80° 9'	102839	NEIGHBORHOOD 13 - PALM ISLAND	FDEP	Class V Non-ASR	-	100	76	Biscayne	6/9/2016
7978	25° 47'	80° 12'	105984	RMK MERRILL STEVENS NORTH YARD	FDEP	Class V Non-ASR	-	100	76	Biscayne	7/5/2019
7979	25° 53'	80° 7'	105382	LE JARDIN	FDEP	Class V Non-ASR	-	100	87	Biscayne	12/6/2018
7980	25° 46'	80° 12'	104522	MEGACENTER BRICKELL LLC	FDEP	Class V Non-ASR	-	100	85	Biscayne	6/15/2018
7981	25° 46'	80° 12'	104522	MEGACENTER BRICKELL LLC	FDEP	Class V Non-ASR	-	100	77	Biscayne	6/20/2018
7982	25° 45'	80° 8'	102631	PALAZZO DEL LUNA	FDEP	Class V Non-ASR	-	100	80	Biscayne	6/12/2016
7983	25° 45'	80° 8'	102631	PALAZZO DEL LUNA	FDEP	Class V Non-ASR	-	100	80	Biscayne	9/26/2016
7984	25° 46'	80° 12'	105989	MIAMI RIVER WALK PHASE I	FDEP	Class V Non-ASR	-	100	80	Biscayne	5/24/2019
7985	25° 46'	80° 12'	105989	MIAMI RIVER WALK PHASE I	FDEP	Class V Non-ASR	-	100	86	Biscayne	4/24/2019
7986	25° 52'	80° 7'	103248	CRESPI APARTMENTS AND MARINA	FDEP	Class V Non-ASR	-	100	85	Biscayne	6/12/2018
7987	25° 47'	80° 7'	105145	SANTA BARBARA HOTEL	FDEP	Class V Non-ASR	-	100	76	Biscayne	8/7/2019
7988	25° 46'	80° 11'	102711	MIAMI CENTER	FDEP	Class V Non-ASR	-	100	0	Biscayne	1/1/1983
7989	25° 47'	80° 7'	105939	COLLINS PARK PARKING GARAGE	FDEP	Class V Non-ASR	-	100	67	Biscayne	3/11/2019
7990	25° 50'	80° 9'	105343	WSVN-7	FDEP	Class V Non-ASR	-	100	60	Biscayne	11/14/2018
7991	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	100	60	Biscayne	7/16/2019
7992	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	100	60	Biscayne	8/1/2019
7993	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	100	60	Biscayne	8/1/2019
7994	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	100	76	Biscayne	2/21/2019
7995	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	100	60	Biscayne	7/1/2019
7996	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	100	60	Biscayne	2/21/2019
7997	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	100	60	Biscayne	7/1/2019
7998	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	100	60	Biscayne	7/16/2019
7999	25° 43'	80° 15'	105425	GABLES STATION	FDEP	Class V Non-ASR	-	100	60	Biscayne	7/16/2019
8000	25° 46'	80° 8'	104599	538 MERIDIAN AVE.	FDEP	Class V Non-ASR	-	100.00	71	Biscayne	10/18/2017
8001	25° 46'	80° 9'	105297	NORTH CRUISE BOULEVARD EXTENSION-PHASE 1	FDEP	Class V Non-ASR	-	100	70	Biscayne	6/8/2019
8002	25° 43'	80° 14'	105875	2850 TIGERTAIL OFFICE BUILDING	FDEP	Class V Non-ASR	-	100	76	Biscayne	6/13/2019
8003	25° 43'	80° 14'	105875	2850 TIGERTAIL OFFICE BUILDING	FDEP	Class V Non-ASR	-	100	76	Biscayne	6/18/2019
8004	25° 53'	80° 7'	105953	PEARL HOUSE	FDEP	Class V Non-ASR	-	100	88	Biscayne	3/28/2019
8005	25° 46'	80° 12'	102860	SLAM- SPORTS LEADERSHIP & MANAGMENT ACADEMY SCHOOL	FDEP	Class V Non-ASR	-	100	82	Biscayne	8/2/2017
8006	25° 47'	80° 7'	105229	RALEIGH HOTEL, THE	FDEP	Class V Non-ASR	-	100	76	Biscayne	10/16/2018
8007	25° 44'	80° 13'	105132	THE FAIRCHILD	FDEP	Class V Non-ASR	-	100	76	Biscayne	2/22/2018
8008	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	100	75	Biscayne	7/15/2017
8009	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	100	79	Biscayne	7/20/2017
8010	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	100	76	Biscayne	5/15/2019
8011	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	100	80	Biscayne	5/16/2019
8012	25° 46'	80° 12'	106054	REFLECTIONS APARTMENTS	FDEP	Class V Non-ASR	-	100	80	Biscayne	6/13/2019

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
8013	25° 46'	80° 12'	106054	REFLECTIONS APARTMENTS	FDEP	Class V Non-ASR	-	100	80	Biscayne	6/13/2019
8014	25° 47'	80° 8'	104521	AC 1700 ALTON	FDEP	Class V Non-ASR	-	100	78	Biscayne	7/9/2018
8015	25° 47'	80° 7'	102847	COLLINS PARK HOTEL	FDEP	Class V Non-ASR	-	100	75	Biscayne	6/30/2016
8016	25° 47'	80° 7'	102847	COLLINS PARK HOTEL	FDEP	Class V Non-ASR	-	100	75	Biscayne	6/30/2015
8017	25° 47'	80° 8'	102725	FLAMINGO PARK SOCCER FIELD	FDEP	Class V Non-ASR	-	100	55	Biscayne	3/7/2016
8018	25° 47'	80° 7'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	100	70	Biscayne	4/18/2016
8019	25° 47'	80° 7'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	100	70	Biscayne	4/16/2016
8020	25° 47'	80° 7'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	100	71	Biscayne	4/6/2016
8021	25° 47'	80° 8'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	100	70	Biscayne	4/9/2016
8022	25° 47'	80° 8'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	100	70	Biscayne	4/13/2016
8023	25° 47'	80° 8'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	100	70	Biscayne	4/11/2016
8024	25° 47'	80° 8'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	100	71	Biscayne	9/30/2016
8025	25° 47'	80° 8'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	100	70	Biscayne	8/23/2016
8026	25° 46'	80° 7'	105843	MOXY HOTEL	FDEP	Class V Non-ASR	-	100	65	Biscayne	2/16/2019
8027	25° 46'	80° 7'	105843	MOXY HOTEL	FDEP	Class V Non-ASR	-	100	65	Biscayne	2/14/2019
8028	25° 46'	80° 7'	105843	MOXY HOTEL	FDEP	Class V Non-ASR	-	100	66	Biscayne	2/11/2019
8029	25° 47'	80° 9'	102837	NEIGHBORHOOD 13 - HIBISCUS ISLAND	FDEP	Class V Non-ASR	-	100	75	Biscayne	7/18/2016
8030	25° 46'	80° 12'	100976	SLAM CHARTER SCHOOL	FDEP	Class V Non-ASR	-	101	91	Biscayne	7/3/2013
8031	25° 51'	80° 8'	98736	WALGREENS STORE # 11657	FDEP	Class V Non-ASR	-	101	73	Biscayne	5/19/2010
8032	25° 45'	80° 11'	100924	WEST BRICKELL VIEW	FDEP	Class V Non-ASR	-	101	81	Biscayne	11/10/2012
8033	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	101	76	Biscayne	6/22/2010
8034	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	101	71	Biscayne	9/20/2010
8035	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	101	80	Biscayne	8/12/2014
8036	25° 53'	80° 7'	102359	SERENO EAST	FDEP	Class V Non-ASR	-	101	87	Biscayne	7/16/2015
8037	25° 53'	80° 7'	102359	SERENO EAST	FDEP	Class V Non-ASR	-	101	87	Biscayne	7/21/2015
8038	25° 46'	80° 11'	56467	SW 6TH. STORM SEWER PROJ. B-5563	FDEP	Class V Non-ASR	-	101	74	Biscayne	12/28/1990
8039	25° 44'	80° 9'	56489	MARITIME & SCIENCE TECHNOLOGY ACADEMY	FDEP	Class V Non-ASR	-	101	85	Biscayne	11/14/2014
8040	25° 46'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	101	82	Biscayne	9/5/1992
8041	25° 38'	80° 17'	59488	DEERING BAY COUNTRY CLUB	FDEP	Class V Non-ASR	-	101	63	Biscayne	9/2/1994
8042	25° 45'	80° 15'	57443	MIRACLE CENTER	FDEP	Class V Non-ASR	-	101	91	Biscayne	11/17/1987
8043	25° 41	80° 9'	58165	PYRAMIDS CONDOMINIUM	FDEP	Class V Non-ASR	-	101	72	Biscayne	7/29/1990
8044	25° 46'	80° 8'	59603	SOUTH BEACH NATURAL FOOD MARKET	FDEP	Class V Non-ASR	-	101	78	Biscayne	1/24/1995
8045	25° 44'	80° 9'	59000	DADE MARINE INSTITUTE	FDEP	Class V Non-ASR	-	101	56	Biscayne	5/14/1992
8046	25° 53'	80° 7'	58311	THE WAVES	FDEP	Class V Non-ASR	-	101	84	Biscayne	6/5/1991
8047	25° 46'	80° 10'	57057	PORT OF MIAMI (MSRC AND NORTH)	FDEP	Class V Non-ASR	-	101	59	Biscayne	5/28/1993
8048	25° 46'	80° 10'	57069	MSRC SITE,S.W. DODGE ISLAND, PH.I.I	FDEP	Class V Non-ASR	-	101	60	Biscayne	12/20/1993
8049	25° 46'	80° 11'	57156	MIAMI SPORTS ARENA	FDEP	Class V Non-ASR	-	101	90	Biscayne	2/6/1987
8050	25° 46'	80° 8'	59398	PORTOFINO GROUP CORP. HDQRTS.	FDEP	Class V Non-ASR	-	101	78	Biscayne	7/28/1994
8051	25° 47'	80° 12'	58068	CIVIC CENTER STORM SEWER RETRO FIT	FDEP	Class V Non-ASR	-	101	78	Biscayne	4/10/1990
8052	25° 50'	80° 8'	59699	EL MADRID APARTMENTS	FDEP	Class V Non-ASR	-	101	78	Biscayne	8/1/1995
8053	25° 45'	80° 15'	60432	WHITLEY, ADAM J.	FDEP	Class V Non-ASR	-	101	90	Biscayne	7/20/1984
8054	25° 47'	80° 7'	61159	FAIRFAX HOTEL	FDEP	Class V Non-ASR	-	101	85	Biscayne	8/12/2013
8055	25° 45	80° 8'	59817	ESTATES OF FISHER ISLAND	FDEP	Class V Non-ASR	-	101	60	Biscayne	5/22/1996
8056	25° 44'	80° 13'	59936	L'HERMITAGE COCONUT GROVE	FDEP	Class V Non-ASR	-	101	68	Biscayne	5/2/1997
8057	25° 47'	80° 7'	59956	THE ANCHOR SHOPS & PARKING	FDEP	Class V Non-ASR	-	101	74	Biscayne	8/17/1997
8058	25° 50'	80° 12'	60736	BISCAYNE AIR CONDITIONER	FDEP	Class V Non-ASR	-	101	0	Biscayne	8/10/1984
8059	25° 49'	80° 7'	60018	BLUE DIAMOND CONDOMINIUM	FDEP	Class V Non-ASR	-	101	68	Biscayne	3/25/1999
8060	25° 53'	80° 7'	60171	WIMBLEDON RACQUET CLUB, INC.	FDEP	Class V Non-ASR	-	101	97	Biscayne	7/17/1980
8061	25° 48'	80° 12'	64251	MIA. HOME MILK PROD.	FDEP	Class V Non-ASR	-	101	98	Biscayne	10/22/1984
8062	25° 50'	80° 8'	65337	TREASURE ISLE CONVALESCENT HOME	FDEP	Class V Non-ASR	-	101	79	Biscayne	2/7/1986
8063	25° 46'	80° 8'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	101	66	Biscayne	5/14/1993
8064	25° 46'	80° 8'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	101	66	Biscayne	5/14/1993
8065	25° 55'	80° 9'	65449	FDOT-STATE PROJECT NO. 87030-3573	FDEP	Class V Non-ASR	-	101	57	Biscayne	1/14/1994
8066	25° 44'	80° 15'	84924	THE COLLECTION PLAZA	FDEP	Class V Non-ASR	-	101	68	Biscayne	6/28/2000
8067	25° 44'	80° 15'	84924	THE COLLECTION PLAZA	FDEP	Class V Non-ASR	-	101	66	Biscayne	6/19/2000
8068	25° 47'	80° 10'	88330	PARROT JUNGLE @ GARDENS @ WATSON ISLAND	FDEP	Class V Non-ASR	-	101	51	Biscayne	5/6/2002
8069	25° 47'	80° 8'	89010	FLAMINGO PARK	FDEP	Class V Non-ASR	-	101	70	Biscayne	6/4/2012
8070	25° 46'	80° 8'	89010	FLAMINGO PARK	FDEP	Class V Non-ASR	-	101	70	Biscayne	6/13/2012
8071	25° 46'	80° 8'	89010	FLAMINGO PARK	FDEP	Class V Non-ASR	-	101	70	Biscayne	6/7/2012
8072	25° 47'	80° 8'	89010	FLAMINGO PARK	FDEP	Class V Non-ASR	-	101	71	Biscayne	6/4/2012
8073	25° 41	80° 9'	91066	KEY BISCAYNE COMMUNITY CENTER	FDEP	Class V Non-ASR	-	101	72	Biscayne	7/2/2003
8074	25° 41'	80° 9'	91066	KEY BISCAYNE COMMUNITY CENTER	FDEP	Class V Non-ASR	-	101	69	Biscayne	6/13/2003
8075	25° 41'	80° 9'	91066	KEY BISCAYNE COMMUNITY CENTER	FDEP	Class V Non-ASR	-	101	74	Biscayne	7/15/2003
8076	25° 46'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	101	67	Biscayne	6/27/2005
8077	25° 47'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	101	70	Biscayne	10/11/2005
8078	25° 47'	80° 7'	92772	WASHINGTON AVENUE	FDEP	Class V Non-ASR	-	101	71	Biscayne	8/2/2005
8079	25° 46'	80° 11'	92912	LATITUDE ON THE RIVER	FDEP	Class V Non-ASR	-	101	80	Biscayne	12/28/2005
8080	25° 47'	80° 7'	94135	ELAN CONDOMINIUM	FDEP	Class V Non-ASR	-	101	71	Biscayne	6/12/2006
8081	25° 49'	80° 10'	94255	IOS ON THE BAY	FDEP	Class V Non-ASR	-	101	71	Biscayne	9/19/2006
8082	25° 48'	80° 11'	106218	700 EDGEWATER	FDEP	Class V Non-ASR	-	101	86	Biscayne	8/22/2019
8083	25° 48'	80° 11'	106218	700 EDGEWATER	FDEP	Class V Non-ASR	-	101	89	Biscayne	8/22/2019
8084	25° 47'	80° 8'	102725	FLAMINGO PARK SOCCER FIELD	FDEP	Class V Non-ASR	-	101	59	Biscayne	3/7/2016
8085	25° 47'	80° 8'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	101	76	Biscayne	8/26/2016
8086	25° 51'	80° 8'	98736	WALGREENS STORE # 11657	FDEP	Class V Non-ASR	-	102	91	Biscayne	5/10/2010
8087	25° 44'	80° 12'	98725	VIZCAYA MUSEUM & GARDENS	FDEP	Class V Non-ASR	-	102	81	Biscayne	5/12/2010
8088	25° 44'	80° 14'	102080	RESIDENCES AT GROVE STATION	FDEP	Class V Non-ASR	-	102	120	Biscayne	8/22/2014
8089	25° 53'	80° 7'	102316	284 BAL BAY DR.	FDEP	Class V Non-ASR	-	102	73	Biscayne	11/10/2015
8090	25° 47'	80° 12'	101411	WASHINGTON SQUARE APARTMENTS	FDEP	Class V Non-ASR	-	102	92	Biscayne	2/3/2014
8091	25° 47'	80° 7'	99483	CITY OF MIAMI BEACH	FDEP	Class V Non-ASR	-	102	80	Biscayne	5/16/2011
8092	25° 48'	80° 11'	101696	CRIMSON TOWER	FDEP	Class V Non-ASR	-	102	87	Biscayne	10/2/2014
8093	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	102	72	Biscayne	8/16/2010
8094	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	102	84	Biscayne	8/10/2010
8095	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	102	70	Biscayne	6/8/2010
8096	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	102	72	Biscayne	7/16/2010
8097	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	102	73	Biscayne	7/22/2010
8098	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	102	72	Biscayne	7/8/2010
8099	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	102	73	Biscayne	7/12/2010
8100	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	102	65	Biscayne	8/12/2014
8101	25° 48'	80° 11'	99160	BAY POINT CENTER	FDEP	Class V Non-ASR	-	102	90	Biscayne	11/1/2010

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Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
8102	25° 48'	80° 8'	99418	ROBERT I. TOLL RESIDENCE	FDEP	Class V Non-ASR	-	102	87	Biscayne	3/21/2011
8103	25° 42'	80° 16'	102153	GABLES ONE TOWER	FDEP	Class V Non-ASR	-	102	70	Biscayne	6/10/2015
8104	25° 46'	80° 7'	100785	FDOT SR A1A COLLINS AVE FROM 5TH STREET TO LINCOLN RD.	FDEP	Class V Non-ASR	-	102	80	Biscayne	3/7/2014
8105	25° 47'	80° 7'	100785	FDOT SR A1A COLLINS AVE FROM 5TH STREET TO LINCOLN RD.	FDEP	Class V Non-ASR	-	102	80	Biscayne	11/11/2013
8106	25° 44'	80° 10'	56489	MARITIME & SCIENCE TECHNOLOGY ACADEMY	FDEP	Class V Non-ASR	-	102	85	Biscayne	10/31/2014
8107	25° 44'	80° 9'	56489	MARITIME & SCIENCE TECHNOLOGY ACADEMY	FDEP	Class V Non-ASR	-	102	85	Biscayne	11/7/2014
8108	25° 47'	80° 7'	56512	FIENBERG FISHER ELEMENTARY	FDEP	Class V Non-ASR	-	102	72	Biscayne	9/15/1992
8109	25° 46'	80° 9'	56541	TEMP.CARGO CONTROL, WEST OF SHED-E	FDEP	Class V Non-ASR	-	102	80	Biscayne	10/4/1993
8110	25° 44'	80° 12'	59490	MERCY HOSPITAL	FDEP	Class V Non-ASR	-	102	68	Biscayne	7/28/1994
8111	25° 42'	80° 16'	59607	U. OF M. WELLNESS CENTER	FDEP	Class V Non-ASR	-	102	43	Biscayne	2/14/1995
8112	25° 47'	80° 7'	58214	KENTUCKY FRIED CHICKEN	FDEP	Class V Non-ASR	-	102	75	Biscayne	8/19/1990
8113	25° 46'	80° 9'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	102	76	Biscayne	9/28/2010
8114	25° 46'	80° 9'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	102	76	Biscayne	10/1/2010
8115	25° 46'	80° 11'	57140	WORLD TRADE CENTER PARKING GARAGE	FDEP	Class V Non-ASR	-	102	87	Biscayne	6/11/1981
8116	25° 44'	80° 13'	58473	L`HERMITAGE	FDEP	Class V Non-ASR	-	102	76	Biscayne	6/5/1991
8117	25° 46'	80° 10'	57057	PORT OF MIAMI (MSRC AND NORTH)	FDEP	Class V Non-ASR	-	102	61	Biscayne	5/17/1993
8118	25° 46'	80° 11'	57156	MIAMI SPORTS ARENA	FDEP	Class V Non-ASR	-	102	91	Biscayne	2/12/1987
8119	25° 53'	80° 9'	57845	SHOPS OF ARCH CREEK	FDEP	Class V Non-ASR	-	102	66	Biscayne	6/5/1989
8120	25° 45'	80° 8'	57234	CRAWDADDY'S RESTAURANT	FDEP	Class V Non-ASR	-	102	81	Biscayne	3/27/1987
8121	25° 47'	80° 8'	59437	POLLO TROPICAL	FDEP	Class V Non-ASR	-	102	71	Biscayne	6/10/1994
8122	25° 43'	80° 14'	59479	HUGHES COVE	FDEP	Class V Non-ASR	-	102	64	Biscayne	9/2/1994
8123	25° 43'	80° 14'	59479	HUGHES COVE	FDEP	Class V Non-ASR	-	102	63	Biscayne	9/2/1994
8124	25° 43'	80° 14'	59479	HUGHES COVE	FDEP	Class V Non-ASR	-	102	62	Biscayne	9/2/1994
8125	25° 47'	80° 12'	57400	JACKSON MEMORIAL HOSPITAL	FDEP	Class V Non-ASR	-	102	76	Biscayne	11/1/1987
8126	25° 47'	80° 12'	57400	JACKSON MEMORIAL HOSPITAL	FDEP	Class V Non-ASR	-	102	78	Biscayne	11/11/1987
8127	25° 47'	80° 12'	57400	JACKSON MEMORIAL HOSPITAL	FDEP	Class V Non-ASR	-	102	78	Biscayne	11/24/1987
8128	25° 47'	80° 13'	58068	CIVIC CENTER STORM SEWER RETRO FIT	FDEP	Class V Non-ASR	-	102	61	Biscayne	5/9/1990
8129	25° 43'	80° 14'	60206	GROVE AT GRAND BAY CONDOMINIUMS	FDEP	Class V Non-ASR	-	102	70	Biscayne	3/7/2014
8130	25° 43'	80° 14'	60206	GROVE AT GRAND BAY CONDOMINIUMS	FDEP	Class V Non-ASR	-	102	72	Biscayne	2/14/2014
8131	25° 45'	80° 11'	60225	BRICKELL AVENUE STATION MTR NO. 115	FDEP	Class V Non-ASR	-	102	91	Biscayne	6/13/1983
8132	25° 46'	80° 11'	60233	GOVERNMENT CENTER STATION	FDEP	Class V Non-ASR	-	102	89	Biscayne	4/6/1983
8133	25° 43'	80° 14'	60297	ANCHORAGE	FDEP	Class V Non-ASR	-	102	79	Biscayne	1/26/1984
8134	25° 52'	80° 7'	60329	STELLA MARIS HOUSE, INC.	FDEP	Class V Non-ASR	-	102	75	Biscayne	4/7/1985
8135	25° 43'	80° 14'	60331	COMMODORE CENTER, DUTCH UNION CORP.	FDEP	Class V Non-ASR	-	102	90	Biscayne	11/8/1984
8136	25° 46'	80° 11'	60335	DADE REGIONAL OFFICE BUILDING PH#1	FDEP	Class V Non-ASR	-	102	88	Biscayne	1/13/1986
8137	25° 46'	80° 11'	60339	MUSEUM TOWERS	FDEP	Class V Non-ASR	-	102	85	Biscayne	1/15/1985
8138	25° 44'	80° 14'	61171	DIRECTOR OF PUBLIC SERVICES	FDEP	Class V Non-ASR	-	102	92	Biscayne	9/4/1984
8139	25° 46'	80° 11'	62006	WOMETCO ENTERPRISES, INC.	FDEP	Class V Non-ASR	-	102	90	Biscayne	8/14/1984
8140	25° 47'	80° 15'	60587	ARTBUILT HOMES	FDEP	Class V Non-ASR	-	102	88	Biscayne	8/1/1984
8141	25° 47'	80° 15'	60588	ARTBUILT HOMES	FDEP	Class V Non-ASR	-	102	85	Biscayne	8/1/1984
8142	25° 49'	80° 7'	59979	BLUE DIAMOND CONDOMINIUM	FDEP	Class V Non-ASR	-	102	68	Biscayne	6/15/1998
8143	25° 47'	80° 11'	60115	BISCAYNE PROPERTIES, LTD.	FDEP	Class V Non-ASR	-	102	90	Biscayne	1/10/1980
8144	25° 45'	80° 11'	60128	ATLANTIS ON BRICKELL	FDEP	Class V Non-ASR	-	102	88	Biscayne	2/10/1981
8145	25° 46'	80° 11'	60168	METRO-DADE CO. ADMINISTRATION BLDG.	FDEP	Class V Non-ASR	-	102	85	Biscayne	9/3/1981
8146	25° 48'	80° 15'	63513	INDUSTRIAL VINYLS, INC.	FDEP	Class V Non-ASR	-	102	96	Biscayne	7/9/1984
8147	25° 46'	80° 10'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	102	65	Biscayne	5/14/1993
8148	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	102	50	Biscayne	3/1/1995
8149	25° 55'	80° 9'	65449	FDOT-STATE PROJECT NO. 87030-3573	FDEP	Class V Non-ASR	-	102	57	Biscayne	6/10/1994
8150	25° 54'	80° 9'	65449	FDOT-STATE PROJECT NO. 87030-3573	FDEP	Class V Non-ASR	-	102	60	Biscayne	6/10/1994
8151	25° 46'	80° 7'	85153	SAVOY ON SOUTH BEACH	FDEP	Class V Non-ASR	-	102	88	Biscayne	3/24/2000
8152	25° 46'	80° 7'	84117	NASH HOTEL, L.L.C.	FDEP	Class V Non-ASR	-	102	92	Biscayne	9/10/1999
8153	25° 46'	80° 8'	89010	FLAMINGO PARK	FDEP	Class V Non-ASR	-	102	70	Biscayne	6/8/2012
8154	25° 50'	80° 7'	91518	CAPRI XII	FDEP	Class V Non-ASR	-	102	82	Biscayne	5/26/2004
8155	25° 51'	80° 7'	92476	CARILLON HOTEL	FDEP	Class V Non-ASR	-	102	75	Biscayne	7/6/2006
8156	25° 48'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	102	84	Biscayne	7/13/2006
8157	25° 48'	80° 8'	95398	NAUTILUS NEIGHBOR. (BASINS 92 & 97) DRAIN. IMP	FDEP	Class V Non-ASR	-	102	64	Biscayne	1/28/2009
8158	25° 46'	80° 8'	94684	FIFTH & ALTON	FDEP	Class V Non-ASR	-	102	65	Biscayne	7/18/2007
8159	25° 51'	80° 8'	94716	NORMANDY SHORES NEIGHBORHOOD NO 3	FDEP	Class V Non-ASR	-	102	85	Biscayne	2/12/2008
8160	25° 46'	80° 7'	94921	120 OCEAN DRIVE-KALLISTO	FDEP	Class V Non-ASR	-	102	80	Biscayne	7/26/2014
8161	25° 48'	80° 11'	106218	700 EDGEWATER	FDEP	Class V Non-ASR	-	102	93	Biscayne	8/21/2019
8162	25° 46'	80° 11'	104525	DONALD J. FREDERICK	FDEP	Class V Non-ASR	-	102	85	Biscayne	1/1/1970
8163	25° 46'	80° 12'	102860	SLAM- SPORTS LEADERSHIP & MANAGMENT ACADEMY SCHOOL	FDEP	Class V Non-ASR	-	102	82	Biscayne	8/2/2017
8164	25° 47'	80° 8'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	102	72	Biscayne	8/13/2016
8165	25° 45'	80° 11'	100924	WEST BRICKELL VIEW	FDEP	Class V Non-ASR	-	103	82	Biscayne	11/7/2012
8166	25° 44'	80° 12'	98725	VIZCAYA MUSEUM & GARDENS	FDEP	Class V Non-ASR	-	103	80	Biscayne	5/5/2010
8167	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	103	71	Biscayne	6/25/2010
8168	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	103	80	Biscayne	10/7/2019
8169	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	103	77	Biscayne	7/16/2019
8170	25° 46'	80° 7'	100785	FDOT SR A1A COLLINS AVE FROM 5TH STREET TO LINCOLN RD.	FDEP	Class V Non-ASR	-	103	80	Biscayne	2/21/2014
8171	25° 46'	80° 7'	100785	FDOT SR A1A COLLINS AVE FROM 5TH STREET TO LINCOLN RD.	FDEP	Class V Non-ASR	-	103	80	Biscayne	2/28/2014
8172	25° 45'	80° 11'	101473	BRICKELL VIEW TERRACE	FDEP	Class V Non-ASR	-	103	82	Biscayne	9/18/2014
8173	25° 51'	80° 7'	56511	BISCAYNE ELEMENTARY SCHOOL	FDEP	Class V Non-ASR	-	103	61	Biscayne	7/22/1992
8174	25° 48'	80° 11'	102355	ONE PARAISO	FDEP	Class V Non-ASR	-	103	90	Biscayne	9/14/2015
8175	25° 45'	80° 8'	57429	FISHER ISLAND PHASE I BLDGS.1&2	FDEP	Class V Non-ASR	-	103	71	Biscayne	1/6/1988
8176	25° 41'	80° 9'	58165	PYRAMIDS CONDOMINIUM	FDEP	Class V Non-ASR	-	103	72	Biscayne	8/20/1990
8177	25° 43'	80° 14'	57519	TERREMARK CENTRE (GENERAL DEV. CORP)	FDEP	Class V Non-ASR	-	103	73	Biscayne	4/6/1989
8178	25° 46'	80° 8'	58223	SOUTH POINTE ELEMENTARY	FDEP	Class V Non-ASR	-	103	74	Biscayne	10/18/1990
8179	25° 46'	80° 8'	58223	SOUTH POINTE ELEMENTARY	FDEP	Class V Non-ASR	-	103	73	Biscayne	9/13/1990
8180	25° 46'	80° 8'	58223	SOUTH POINTE ELEMENTARY	FDEP	Class V Non-ASR	-	103	76	Biscayne	8/31/1990
8181	25° 48'	80° 7'	59001	LAKE BEACH CONDOMINIUM	FDEP	Class V Non-ASR	-	103	90	Biscayne	4/14/1992
8182	25° 41'	80° 9'	59054	KEY BISCAYNE COMMUNITY CENTER	FDEP	Class V Non-ASR	-	103	63	Biscayne	7/22/1992
8183	25° 46'	80° 10'	58373	ROYAL CARIBBEAN CRUISE LINES,MIAMI	FDEP	Class V Non-ASR	-	103	62	Biscayne	12/7/1990
8184	25° 46'	80° 10'	58373	ROYAL CARIBBEAN CRUISE LINES,MIAMI	FDEP	Class V Non-ASR	-	103	60	Biscayne	1/7/1991
8185	25° 46'	80° 10'	57042	SEABOARD OFFICES & STGE. AREA PH. A	FDEP	Class V Non-ASR	-	103	63	Biscayne	10/31/1991
8186	25° 46'	80° 9'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	103	76	Biscayne	2/3/2011
8187	25° 44'	80° 15'	58429	ROYAL PALM CITY ICE	FDEP	Class V Non-ASR	-	103	67	Biscayne	2/26/1991
8188	25° 47'	80° 8'	59161	MIAMI BEACH TOWNHOMES	FDEP	Class V Non-ASR	-	103	67	Biscayne	2/25/1993
8189	25° 46'	80° 7'	57072	10 STREET & WASHINGTON AVE.	FDEP	Class V Non-ASR	-	103	67	Biscayne	3/30/1994
8190	25° 46'	80° 8'	59403	901 ALTON ROAD SHOPS	FDEP	Class V Non-ASR	-	103	59	Biscayne	3/30/1994

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
8191	25° 47'	80° 12'	57400	JACKSON MEMORIAL HOSPITAL	FDEP	Class V Non-ASR	-	103	72	Biscayne	12/14/1987
8192	25° 47'	80° 13'	58068	CIVIC CENTER STORM SEWER RETRO FIT	FDEP	Class V Non-ASR	-	103	61	Biscayne	5/9/1990
8193	25° 45'	80° 11'	60225	BRICKELL AVENUE STATION MTR NO. 115	FDEP	Class V Non-ASR	-	103	92	Biscayne	11/22/1982
8194	25° 47'	80° 13'	60260	CIVIC PARK PLAZA	FDEP	Class V Non-ASR	-	103	89	Biscayne	10/11/1983
8195	25° 42'	80° 15'	59704	THE GABLES	FDEP	Class V Non-ASR	-	103	61	Biscayne	1/23/1996
8196	25° 42'	80° 15'	59704	THE GABLES	FDEP	Class V Non-ASR	-	103	60	Biscayne	1/23/1996
8197	25° 42'	80° 15'	59704	THE GABLES	FDEP	Class V Non-ASR	-	103	63	Biscayne	2/14/1996
8198	25° 49'	80° 12'	61155	DEPT. OF PUBLIC WORKS	FDEP	Class V Non-ASR	-	103	91	Biscayne	9/4/1984
8199	25° 42'	80° 17'	61291	COTTON, F. I.	FDEP	Class V Non-ASR	-	103	97	Biscayne	9/10/1984
8200	25° 46'	80° 15'	62119	GOMZY'S BAR & PACKAGE STORE	FDEP	Class V Non-ASR	-	103	96	Biscayne	9/19/1984
8201	25° 53'	80° 7'	59972	SUNTRUST BANK AT BAL HARBOUR	FDEP	Class V Non-ASR	-	103	74	Biscayne	7/30/1998
8202	25° 53'	80° 7'	60004	ONE BAL HARBOUR (HARBOUR HOUSE APTS (N & S)	FDEP	Class V Non-ASR	-	103	83	Biscayne	10/23/2006
8203	25° 49'	80° 11'	61537	SABAL PALM CONSTRUCTION	FDEP	Class V Non-ASR	-	103	91	Biscayne	7/20/1984
8204	25° 51'	80° 16'	60803	WHALEY, C. H.	FDEP	Class V Non-ASR	-	103	95	Biscayne	8/16/1984
8205	25° 47'	80° 11'	60022	FPLES-DISTRICT COOLING FACILITY	FDEP	Class V Non-ASR	-	103	88	Biscayne	3/17/1999
8206	25° 45'	80° 11'	60128	ATLANTIS ON BRICKELL	FDEP	Class V Non-ASR	-	103	94	Biscayne	1/28/1981
8207	25° 48'	80° 7'	60138	CLUB ATLANTIS WELLS 1 & 2	FDEP	Class V Non-ASR	-	103	92	Biscayne	4/7/1981
8208	25° 47'	80° 12'	60146	JACKSON MEDICAL CEN. PARKING GARAGE	FDEP	Class V Non-ASR	-	103	85	Biscayne	10/26/1983
8209	25° 47'	80° 12'	60146	JACKSON MEDICAL CEN. PARKING GARAGE	FDEP	Class V Non-ASR	-	103	87	Biscayne	11/10/1983
8210	25° 50'	80° 15'	62505	FOOD FAIR STORES	FDEP	Class V Non-ASR	-	103	93	Biscayne	10/8/1984
8211	25° 45'	80° 15'	62684	OWNER UNKNOWN (EDWIN ADAMS)	FDEP	Class V Non-ASR	-	103	95	Biscayne	11/14/1984
8212	25° 45'	80° 15'	63651	HARTNEY, JAMES A.	FDEP	Class V Non-ASR	-	103	97	Biscayne	7/19/1984
8213	25° 44'	80° 13'	65339	L'HERMITAGE	FDEP	Class V Non-ASR	-	103	64	Biscayne	7/30/1986
8214	25° 46'	80° 10'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	103	39	Biscayne	5/14/1993
8215	25° 46'	80° 10'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	103	75	Biscayne	5/14/1993
8216	25° 55'	80° 9'	65449	FDOT-STATE PROJECT NO. 87030-3573	FDEP	Class V Non-ASR	-	103	56	Biscayne	6/10/1994
8217	25° 55'	80° 9'	65449	FDOT-STATE PROJECT NO. 87030-3573	FDEP	Class V Non-ASR	-	103	61	Biscayne	6/10/1994
8218	25° 55'	80° 9'	65449	FDOT-STATE PROJECT NO. 87030-3573	FDEP	Class V Non-ASR	-	103	71	Biscayne	1/14/1994
8219	25° 54'	80° 9'	65449	FDOT-STATE PROJECT NO. 87030-3573	FDEP	Class V Non-ASR	-	103	62	Biscayne	1/14/1994
8220	25° 53'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	103	67	Biscayne	7/28/1994
8221	25° 52'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	103	57	Biscayne	6/23/1995
8222	25° 46'	80° 11'	65515	FDOT MIAMI	FDEP	Class V Non-ASR	-	103	85	Biscayne	12/7/1985
8223	25° 46'	80° 11'	93080	THE LOFT DOWNTOWN	FDEP	Class V Non-ASR	-	103	90	Biscayne	9/27/2005
8224	25° 46'	80° 7'	93216	CONTINUUM II ON SOUTH BEACH	FDEP	Class V Non-ASR	-	103	85	Biscayne	12/5/2005
8225	25° 46'	80° 8'	94684	FIFTH & ALTON	FDEP	Class V Non-ASR	-	103	65	Biscayne	7/24/2007
8226	25° 46'	80° 8'	94723	SOUTH POINTE PARK	FDEP	Class V Non-ASR	-	103	85	Biscayne	9/4/2007
8227	25° 46'	80° 8'	94723	SOUTH POINTE PARK	FDEP	Class V Non-ASR	-	103	85	Biscayne	9/13/2007
8228	25° 46'	80° 11'	105938	THE UNDERLINE PHASE 1	FDEP	Class V Non-ASR	-	103	85	Biscayne	12/10/2019
8229	25° 45'	80° 11'	105938	THE UNDERLINE PHASE 1	FDEP	Class V Non-ASR	-	103	90	Biscayne	12/11/2019
8230	25° 47'	80° 8'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	103	73	Biscayne	9/19/2016
8231	25° 47'	80° 8'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	103	71	Biscayne	10/5/2016
8232	25° 47'	80° 8'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	103	72	Biscayne	9/15/2016
8233	25° 48'	80° 7'	101687	AC HOTEL	FDEP	Class V Non-ASR	-	104	84	Biscayne	7/24/2014
8234	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	104	80	Biscayne	8/12/2014
8235	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	104	78	Biscayne	8/12/2014
8236	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	104	80	Biscayne	8/12/2014
8237	25° 47'	80° 13'	56491	STORM SEWER RETRO. FIT. PROJ. B-5557	FDEP	Class V Non-ASR	-	104	75	Biscayne	2/25/1992
8238	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	104	64	Biscayne	10/8/1993
8239	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	104	57	Biscayne	10/8/1993
8240	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	104	55	Biscayne	10/8/1993
8241	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	104	65	Biscayne	10/8/1993
8242	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	104	57	Biscayne	1/1/1970
8243	25° 48'	80° 11'	102355	ONE PARAISO	FDEP	Class V Non-ASR	-	104	90	Biscayne	9/14/2015
8244	25° 38'	80° 17'	59488	DEERING BAY COUNTRY CLUB	FDEP	Class V Non-ASR	-	104	63	Biscayne	9/2/1994
8245	25° 44'	80° 12'	59490	MERCY HOSPITAL	FDEP	Class V Non-ASR	-	104	80	Biscayne	7/28/1994
8246	25° 48'	80° 8'	59516	MOUNT SINAI COMP. CANCER CENTER	FDEP	Class V Non-ASR	-	104	63	Biscayne	1/24/1995
8247	25° 53'	80° 9'	57413	PALMS APARTMENTS	FDEP	Class V Non-ASR	-	104	94	Biscayne	9/30/1987
8248	25° 38'	80° 17'	59530	DEERING BAY ASSOCIATES	FDEP	Class V Non-ASR	-	104	39	Biscayne	1/24/1995
8249	25° 46'	80° 7'	57641	SURFACE PARKING LOT - 1A IMPROVEMENTS	FDEP	Class V Non-ASR	-	104	78	Biscayne	9/5/1988
8250	25° 46'	80° 7'	57641	SURFACE PARKING LOT - 1A IMPROVEMENTS	FDEP	Class V Non-ASR	-	104	69	Biscayne	8/17/1988
8251	25° 46'	80° 10'	57000	PT.OF MIAMI S.W. TERMINAL COMPLEX	FDEP	Class V Non-ASR	-	104	61	Biscayne	5/19/1988
8252	25° 46'	80° 12'	57013	PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	104	80	Biscayne	4/20/1990
8253	25° 46'	80° 12'	57013	PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	104	80	Biscayne	4/25/1990
8254	25° 46'	80° 8'	57109	CITY OF MIAMI BEACH - WASH. AVE.	FDEP	Class V Non-ASR	-	104	54	Biscayne	11/5/1996
8255	25° 47'	80° 8'	57081	ESPANOLA WAY STREET IMPROVEMENTS	FDEP	Class V Non-ASR	-	104	73	Biscayne	3/3/1995
8256	25° 43'	80° 14'	60206	GROVE AT GRAND BAY CONDOMINIUMS	FDEP	Class V Non-ASR	-	104	73	Biscayne	6/10/2013
8257	25° 43'	80° 14'	60206	GROVE AT GRAND BAY CONDOMINIUMS	FDEP	Class V Non-ASR	-	104	73	Biscayne	5/28/2013
8258	25° 47'	80° 12'	61758	TROPIC TOGGS, INC.	FDEP	Class V Non-ASR	-	104	98	Biscayne	7/31/1984
8259	25° 43'	80° 9'	60296	UNIVERSITY OF MIAMI	FDEP	Class V Non-ASR	-	104	76	Biscayne	7/23/2013
8260	25° 42'	80° 15'	59704	THE GABLES	FDEP	Class V Non-ASR	-	104	63	Biscayne	2/14/1996
8261	25° 42'	80° 15'	62004	WOMETCO ENTERPRISES	FDEP	Class V Non-ASR	-	104	87	Biscayne	8/14/1984
8262	25° 50'	80° 11'	62027	1310 W. AVE. CORP.	FDEP	Class V Non-ASR	-	104	101	Biscayne	8/14/1984
8263	25° 46'	80° 18'	60550	ANTHONY & BRIDY, INC.	FDEP	Class V Non-ASR	-	104	63	Biscayne	6/19/1963
8264	25° 47'	80° 12'	59937	CONSOLIDATION OF MENTAL HEALTH SERV	FDEP	Class V Non-ASR	-	104	94	Biscayne	5/1/1997
8265	25° 49'	80° 14'	62411	FABAR, INC.	FDEP	Class V Non-ASR	-	104	95	Biscayne	9/24/1984
8266	25° 48'	80° 7'	60138	CLUB ATLANTIS WELLS 1 & 2	FDEP	Class V Non-ASR	-	104	97	Biscayne	1/12/1981
8267	25° 48'	80° 11'	64166	PALM COURT	FDEP	Class V Non-ASR	-	104	89	Biscayne	5/29/1979
8268	25° 51'	80° 11'	62778	PICKIN' CHICKEN RESTAURANT	FDEP	Class V Non-ASR	-	104	101	Biscayne	10/26/1984
8269	25° 46'	80° 9'	65415	FDOT 87000-3682 MCARTHUR C. TO STAR ISLAND	FDEP	Class V Non-ASR	-	104	50	Biscayne	5/14/1992
8270	25° 46'	80° 10'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	104	34	Biscayne	5/14/1993
8271	25° 46'	80° 9'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	104	58	Biscayne	5/14/1993
8272	25° 55'	80° 9'	65449	FDOT-STATE PROJECT NO. 87030-3573	FDEP	Class V Non-ASR	-	104	53	Biscayne	1/14/1994
8273	25° 55'	80° 9'	65449	FDOT-STATE PROJECT NO. 87030-3573	FDEP	Class V Non-ASR	-	104	63	Biscayne	1/14/1994
8274	25° 50'	80° 7'	65504	FDOT 87000-3621 LA GORCE CANAL BRIDGE	FDEP	Class V Non-ASR	-	104	53	Biscayne	12/11/1997
8275	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	104	78	Biscayne	8/14/2001
8276	25° 49'	80° 7'	92942	OBR APARTMENT/HOTEL	FDEP	Class V Non-ASR	-	104	86	Biscayne	3/9/2006
8277	25° 47'	80° 11'	94182	PARAMOUNT BAY EDGEWATER SQUARE	FDEP	Class V Non-ASR	-	104	89	Biscayne	11/30/2006
8278	25° 46'	80° 11'	105938	THE UNDERLINE PHASE 1	FDEP	Class V Non-ASR	-	104	85	Biscayne	12/10/2019
8279	25° 48'	80° 11'	106218	700 EDGEWATER	FDEP	Class V Non-ASR	-	104	96	Biscayne	9/17/2019

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
8280	25° 48'	80° 11'	103278	MODERA EDGEWATER TOWER	FDEP	Class V Non-ASR	-	104	82	Biscayne	7/11/2017
8281	25° 48'	80° 11'	103278	MODERA EDGEWATER TOWER	FDEP	Class V Non-ASR	-	104	82	Biscayne	7/11/2017
8282	25° 52'	80° 7'	106310	EDENSURFSIDE HOTEL	FDEP	Class V Non-ASR	-	104	93	Biscayne	1/1/1970
8283	25° 52'	80° 7'	106310	EDENSURFSIDE HOTEL	FDEP	Class V Non-ASR	-	104	93	Biscayne	1/1/1970
8284	25° 53'	80° 7'	106310	EDENSURFSIDE HOTEL	FDEP	Class V Non-ASR	-	104	93	Biscayne	1/1/1970
8285	25° 44'	80° 14'	102577	MATER GROVE ACADEMY	FDEP	Class V Non-ASR	-	104	87	Biscayne	12/17/2015
8286	25° 47'	80° 8'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	104	70	Biscayne	9/22/2016
8287	25° 47'	80° 8'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	104	71	Biscayne	10/12/2016
8288	25° 47'	80° 8'	102819	MIAMI BEACH CONVENTION CENTER	FDEP	Class V Non-ASR	-	104	70	Biscayne	9/27/2016
8289	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	105	60	Biscayne	7/2/2009
8290	25° 53'	80° 8'	101913	KAI/ BAY HARBOR RESIDENCE	FDEP	Class V Non-ASR	-	105	62	Biscayne	9/10/2014
8291	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	105	82	Biscayne	7/23/2010
8292	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	105	77	Biscayne	4/25/2019
8293	25° 48'	80° 7'	99861	GALBUT FAMILY JEWISH COMMUNITY CENTER	FDEP	Class V Non-ASR	-	105	80	Biscayne	11/8/2011
8294	25° 52'	80° 7'	99864	SURFSIDE DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	105	65	Biscayne	9/11/2012
8295	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	105	85	Biscayne	8/12/2014
8296	25° 48'	80° 11'	99160	BAY POINT CENTER	FDEP	Class V Non-ASR	-	105	89	Biscayne	10/14/2010
8297	25° 46'	80° 7'	100785	FDOT SR A1A COLLINS AVE FROM 5TH STREET TO LINCOLN RD.	FDEP	Class V Non-ASR	-	105	86	Biscayne	1/6/2014
8298	25° 45'	80° 11'	101473	BRICKELL VIEW TERRACE	FDEP	Class V Non-ASR	-	105	82	Biscayne	5/19/2015
8299	25° 47'	80° 14'	56493	LOCAL DRAINAGE PROJECT E 68	FDEP	Class V Non-ASR	-	105	69	Biscayne	12/3/1991
8300	25° 46'	80° 11'	56494	CITY OF MIAMI B-4521 DTW IMP-PHASE II	FDEP	Class V Non-ASR	-	105	83	Biscayne	1/31/1992
8301	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	105	65	Biscayne	11/8/1993
8302	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	105	70	Biscayne	10/8/1993
8303	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	105	73	Biscayne	10/8/1993
8304	25° 48'	80° 8'	56560	NAUTILUS MIDDLE SCHOOL	FDEP	Class V Non-ASR	-	105	85	Biscayne	3/1/1995
8305	25° 55'	80° 8'	56577	MDWSD 2575 N.E. 151ST STREET	FDEP	Class V Non-ASR	-	105	75	Biscayne	5/2/1997
8306	25° 45'	80° 8'	57429	FISHER ISLAND PHASE I BLDGS.1&2	FDEP	Class V Non-ASR	-	105	63	Biscayne	1/14/1988
8307	25° 44'	80° 14'	57519	TERREMARK CENTRE (GENERAL DEV. CORP)	FDEP	Class V Non-ASR	-	105	79	Biscayne	2/5/1988
8308	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	105	54	Biscayne	9/8/1992
8309	25° 46'	80° 10'	57000	PT.OF MIAMI S.W. TERMINAL COMPLEX	FDEP	Class V Non-ASR	-	105	59	Biscayne	5/15/1988
8310	25° 46'	80° 10'	57000	PT.OF MIAMI S.W. TERMINAL COMPLEX	FDEP	Class V Non-ASR	-	105	58	Biscayne	5/26/1988
8311	25° 46'	80° 10'	57000	PT.OF MIAMI S.W. TERMINAL COMPLEX	FDEP	Class V Non-ASR	-	105	59	Biscayne	6/2/1988
8312	25° 44'	80° 15'	58429	ROYAL PALM CITY ICE	FDEP	Class V Non-ASR	-	105	80	Biscayne	5/2/1997
8313	25° 46'	80° 11'	57140	WORLD TRADE CENTER PARKING GARAGE	FDEP	Class V Non-ASR	-	105	88	Biscayne	6/11/1981
8314	25° 47'	80° 8'	58471	BLOCKBUSTER PLAZA	FDEP	Class V Non-ASR	-	105	76	Biscayne	3/20/1991
8315	25° 46'	80° 10'	57057	PORT OF MIAMI (MSRC AND NORTH)	FDEP	Class V Non-ASR	-	105	64	Biscayne	5/13/1993
8316	25° 46'	80° 10'	57057	PORT OF MIAMI (MSRC AND NORTH)	FDEP	Class V Non-ASR	-	105	62	Biscayne	5/19/1993
8317	25° 45'	80° 12'	59420	ROYAL PALM APARTMENTS	FDEP	Class V Non-ASR	-	105	80	Biscayne	4/29/1994
8318	25° 53'	80° 7'	59447	THE PALACE AT BAL HARBOUR	FDEP	Class V Non-ASR	-	105	78	Biscayne	7/15/1994
8319	25° 45'	80° 8'	57366	FISHER ISLAND SEASIDE VILLAS	FDEP	Class V Non-ASR	-	105	82	Biscayne	10/6/1987
8320	25° 45'	80° 8'	57366	FISHER ISLAND SEASIDE VILLAS	FDEP	Class V Non-ASR	-	105	83	Biscayne	10/21/1987
8321	25° 43'	80° 14'	60206	GROVE AT GRAND BAY CONDOMINIUMS	FDEP	Class V Non-ASR	-	105	73	Biscayne	6/14/2013
8322	25° 43'	80° 14'	60264	GRAND BAY PLAZA OFFICE BUILDING	FDEP	Class V Non-ASR	-	105	54	Biscayne	3/22/1983
8323	25° 46'	80° 11'	60290	METROPOLITAN DADE CO. CULTURAL CTR.	FDEP	Class V Non-ASR	-	105	87	Biscayne	7/28/1980
8324	25° 45'	80° 14'	60318	SUSQUEHANNA OFFICE BUILDING	FDEP	Class V Non-ASR	-	105	80	Biscayne	7/30/1984
8325	25° 45'	80° 15'	61872	MCILWAIN, W. T.	FDEP	Class V Non-ASR	-	105	96	Biscayne	8/7/1984
8326	25° 54'	80° 11'	61103	DANIEL INVESTMENT CORP.	FDEP	Class V Non-ASR	-	105	87	Biscayne	8/30/1984
8327	25° 42'	80° 15'	59704	THE GABLES	FDEP	Class V Non-ASR	-	105	63	Biscayne	2/14/1996
8328	25° 47'	80° 12'	60523	AMERICAN TIN & GALVANIZING CO.	FDEP	Class V Non-ASR	-	105	99	Biscayne	7/30/1984
8329	25° 48'	80° 7'	59930	WALGREENS - PINE TREE DRIVE	FDEP	Class V Non-ASR	-	105	80	Biscayne	5/1/1997
8330	25° 47'	80° 12'	59949	PARK PLAZA WEST TOLL PLAZA & CANOPY	FDEP	Class V Non-ASR	-	105	83	Biscayne	7/28/1997
8331	25° 47'	80° 12'	59949	PARK PLAZA WEST TOLL PLAZA & CANOPY	FDEP	Class V Non-ASR	-	105	88	Biscayne	7/11/1997
8332	25° 46'	80° 15'	62315	OCCUPANT (CLAIRIDGE HOUSE, INC.)	FDEP	Class V Non-ASR	-	105	92	Biscayne	10/9/1984
8333	25° 53'	80° 7'	59972	SUNTRUST BANK AT BAL HARBOUR	FDEP	Class V Non-ASR	-	105	73	Biscayne	7/16/1998
8334	25° 45'	80° 12'	60011	MONTSERRAT APARTMENT BLDG.	FDEP	Class V Non-ASR	-	105	83	Biscayne	12/31/1998
8335	25° 45'	80° 11'	60135	BRICKELL KEY	FDEP	Class V Non-ASR	-	105	95	Biscayne	9/4/1981
8336	25° 46'	80° 11'	60136	MIAMI CENTER	FDEP	Class V Non-ASR	-	105	97	Biscayne	5/10/1981
8337	25° 45'	80° 12'	60143	ALL AMERICAN BUILDING	FDEP	Class V Non-ASR	-	105	83	Biscayne	10/20/1983
8338	25° 50'	80° 17'	60924	CITY CLERK	FDEP	Class V Non-ASR	-	105	100	Biscayne	8/21/1984
8339	25° 46'	80° 13'	63480	HOWARD JOHNSON	FDEP	Class V Non-ASR	-	105	100	Biscayne	7/9/1984
8340	25° 47'	80° 13'	63215	LOCAL UNION 349 I.B.E.W.	FDEP	Class V Non-ASR	-	105	90	Biscayne	1/2/1985
8341	25° 45'	80° 14'	63163	A & A GLASS & MIROR CO.	FDEP	Class V Non-ASR	-	105	100	Biscayne	1/17/1985
8342	25° 46'	80° 12'	63306	MIAMI LIGHTHOUSE FOR THE BLIND	FDEP	Class V Non-ASR	-	105	95	Biscayne	4/25/2017
8343	25° 47'	80° 7'	63313	NETHERLAND HOTEL	FDEP	Class V Non-ASR	-	105	97	Biscayne	1/8/1985
8344	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	105	60	Biscayne	9/24/2001
8345	25° 46'	80° 7'	93216	CONTINUUM II ON SOUTH BEACH	FDEP	Class V Non-ASR	-	105	88	Biscayne	12/16/2005
8346	25° 46'	80° 10'	92461	PARKING LOTS-TERMINAL 3,4 &5	FDEP	Class V Non-ASR	-	105	80	Biscayne	4/24/2014
8347	25° 51'	80° 7'	92476	CARILLON HOTEL	FDEP	Class V Non-ASR	-	105	87	Biscayne	11/12/2004
8348	25° 46'	80° 8'	93226	APOGEE	FDEP	Class V Non-ASR	-	105	66	Biscayne	7/27/2006
8349	25° 49'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	105	82	Biscayne	5/10/2006
8350	25° 49'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	105	87	Biscayne	4/28/2006
8351	25° 46'	80° 12'	92794	TUSCAN PLACE	FDEP	Class V Non-ASR	-	105	88	Biscayne	5/31/2005
8352	25° 46'	80° 12'	92794	TUSCAN PLACE	FDEP	Class V Non-ASR	-	105	84	Biscayne	6/7/2005
8353	25° 46'	80° 11'	92912	LATITUDE ON THE RIVER	FDEP	Class V Non-ASR	-	105	80	Biscayne	12/20/2005
8354	25° 46'	80° 7'	94620	DAVID'S CAFE	FDEP	Class V Non-ASR	-	105	69	Biscayne	5/21/2007
8355	25° 45'	80° 12'	94085	NORDICA	FDEP	Class V Non-ASR	-	105	93	Biscayne	7/21/2006
8356	25° 45'	80° 11'	105938	THE UNDERLINE PHASE 1	FDEP	Class V Non-ASR	-	105	85	Biscayne	12/8/2019
8357	25° 46'	80° 12'	103428	RIVERVIEW TOWER	FDEP	Class V Non-ASR	-	105	85	Biscayne	6/27/2017
8358	25° 48'	80° 7'	102792	LEHMANN RESIDENCE	FDEP	Class V Non-ASR	-	105	88	Biscayne	4/19/2016
8359	25° 44'	80° 14'	102577	MATER GROVE ACADEMY	FDEP	Class V Non-ASR	-	105	87	Biscayne	12/11/2015
8360	25° 44'	80° 14'	102577	MATER GROVE ACADEMY	FDEP	Class V Non-ASR	-	105	87	Biscayne	1/8/2016
8361	25° 47'	80° 14'	102720	CURTIS PARK	FDEP	Class V Non-ASR	-	105	85	Biscayne	7/6/2018
8362	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	106	60	Biscayne	6/18/2009
8363	25° 45'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	106	86	Biscayne	7/13/2011
8364	25° 45'	80° 11'	101489	PANORAMA TOWER AT 1101 BRICKELL	FDEP	Class V Non-ASR	-	106	92	Biscayne	10/1/2014
8365	25° 49'	80° 7'	102026	RITZ CARLTON RESIDENCES	FDEP	Class V Non-ASR	-	106	70	Biscayne	1/22/2016
8366	25° 51'	80° 11'	56463	CITY OF MIAMI - LITLE RIVER B-5559	FDEP	Class V Non-ASR	-	106	8	Biscayne	5/31/1990
8367	25° 46'	80° 10'	56464	ROYAL CARIBEAN CRUISE LINES	FDEP	Class V Non-ASR	-	106	60	Biscayne	1/30/1990
8368	25° 46'	80° 10'	56464	ROYAL CARIBEAN CRUISE LINES	FDEP	Class V Non-ASR	-	106	60	Biscayne	2/1/1990

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
8369	25° 46'	80° 10'	56464	ROYAL CARIBEAN CRUISE LINES	FDEP	Class V Non-ASR	-	106	58	Biscayne	2/5/1990
8370	25° 47'	80° 14'	56493	LOCAL DRAINAGE PROJECT E-68	FDEP	Class V Non-ASR	-	106	67	Biscayne	12/3/1991
8371	25° 47'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	106	85	Biscayne	4/19/1993
8372	25° 48'	80° 11'	102355	ONE PARAISO	FDEP	Class V Non-ASR	-	106	82	Biscayne	9/14/2015
8373	25° 53'	80° 7'	59517	PRU SHEL MAJESTIC TOWERS	FDEP	Class V Non-ASR	-	106	86	Biscayne	3/30/1995
8374	25° 46'	80° 8'	58223	SOUTH POINTE ELEMENTARY	FDEP	Class V Non-ASR	-	106	73	Biscayne	10/2/1990
8375	25° 43'	80° 14'	59134	BANYAN INN APARTMENTS	FDEP	Class V Non-ASR	-	106	80	Biscayne	2/25/1993
8376	25° 46'	80° 12'	57013	PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	106	77	Biscayne	6/13/1990
8377	25° 46'	80° 10'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	106	86	Biscayne	8/13/2011
8378	25° 45'	80° 8'	58422	FISHER ISLAND OCEANSIDE BLDG. 7	FDEP	Class V Non-ASR	-	106	84	Biscayne	9/5/1991
8379	25° 45'	80° 8'	58422	FISHER ISLAND OCEANSIDE BLDG. 7	FDEP	Class V Non-ASR	-	106	91	Biscayne	9/5/1991
8380	25° 47'	80° 7'	57109	CITY OF MIAMI BEACH - WASH. AVE.	FDEP	Class V Non-ASR	-	106	60	Biscayne	11/5/1996
8381	25° 46'	80° 11'	57156	MIAMI SPORTS ARENA	FDEP	Class V Non-ASR	-	106	93	Biscayne	5/12/1987
8382	25° 45'	80° 11'	60288	M. G. INVESTMENT COMPANY	FDEP	Class V Non-ASR	-	106	90	Biscayne	1/18/1980
8383	25° 44'	80° 15'	61034	CULLIGAN WATER CONDITIONING	FDEP	Class V Non-ASR	-	106	90	Biscayne	8/27/1984
8384	25° 43'	80° 14'	60297	ANCHORAGE	FDEP	Class V Non-ASR	-	106	82	Biscayne	5/1/1984
8385	25° 47'	80° 11'	59635	HOMELESS ASSISTANCE CENTER	FDEP	Class V Non-ASR	-	106	75	Biscayne	5/17/1995
8386	25° 48'	80° 11'	60357	BUENA VISTA PLAZA	FDEP	Class V Non-ASR	-	106	98	Biscayne	4/5/1985
8387	25° 47'	80° 16'	61305	RADE,EARL M.	FDEP	Class V Non-ASR	-	106	0	Biscayne	9/10/1984
8388	25° 47'	80° 16'	61305	RADE,EARL M.	FDEP	Class V Non-ASR	-	106	0	Biscayne	9/10/1984
8389	25° 49'	80° 7'	62211	ZINN, HAROLD	FDEP	Class V Non-ASR	-	106	94	Biscayne	9/21/1984
8390	25° 47'	80° 12'	59937	CONSOLIDATION OF MENTAL HEALTH SERV	FDEP	Class V Non-ASR	-	106	95	Biscayne	5/1/1997
8391	25° 48'	80° 11'	60772	MERRET, BRUCE	FDEP	Class V Non-ASR	-	106	99	Biscayne	9/3/1957
8392	25° 47'	80° 12'	61550	SOUNDAC PRODUCTIONS	FDEP	Class V Non-ASR	-	106	95	Biscayne	7/20/1984
8393	25° 44'	80° 15'	61597	STAR CONSTRUCTION	FDEP	Class V Non-ASR	-	106	97	Biscayne	7/23/1984
8394	25° 50'	80° 11'	63484	HOWARD JOHNSON	FDEP	Class V Non-ASR	-	106	99	Biscayne	7/9/1984
8395	25° 48'	80° 11'	63510	IND. HOUSE AND RUBBER CO.	FDEP	Class V Non-ASR	-	106	101	Biscayne	7/9/1984
8396	25° 52'	80° 11'	64456	ENRIGHT, MSGR. JAMES	FDEP	Class V Non-ASR	-	106	103	Biscayne	10/31/1984
8397	25° 50'	80° 8'	65329	BAYWALK PLAZA	FDEP	Class V Non-ASR	-	106	88	Biscayne	6/4/1986
8398	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	106	57	Biscayne	3/1/1995
8399	25° 54'	80° 9'	65485	FDOT - SR5/US1/BISCAYNE BLVD.	FDEP	Class V Non-ASR	-	106	56	Biscayne	3/1/1995
8400	25° 47'	80° 7'	84069	FDOT 87060-3565 LINCOLN RD. TO 26TH ST.	FDEP	Class V Non-ASR	-	106	60	Biscayne	7/3/2001
8401	25° 47'	80° 11'	90097	BISCAYNE VILLAGE	FDEP	Class V Non-ASR	-	106	89	Biscayne	1/27/2003
8402	25° 43'	80° 14'	93374	MAYFAIR LOFT	FDEP	Class V Non-ASR	-	106	97	Biscayne	9/17/2005
8403	25° 47'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	106	90	Biscayne	3/11/2006
8404	25° 48'	80° 8'	92159	BAYSHORE GOLFCOURSE	FDEP	Class V Non-ASR	-	106	80	Biscayne	2/23/2007
8405	25° 47'	80° 11'	94182	PARAMOUNT BAY EDGEWATER SQUARE	FDEP	Class V Non-ASR	-	106	91	Biscayne	9/11/2006
8406	25° 44'	80° 15'	94190	ONE VILLAGE PLACE	FDEP	Class V Non-ASR	-	106	94	Biscayne	11/2/2006
8407	25° 48'	80° 11'	106218	700 EDGEWATER	FDEP	Class V Non-ASR	-	106	90	Biscayne	8/1/2019
8408	25° 46'	80° 12'	103428	RIVERVIEW TOWER	FDEP	Class V Non-ASR	-	106	85	Biscayne	6/27/2017
8409	25° 46'	80° 11'	104525	DONALD J. FREDERICK	FDEP	Class V Non-ASR	-	106	102	Biscayne	1/1/1970
8410	25° 44'	80° 14'	100258	CITY OF MIAMI	FDEP	Class V Non-ASR	-	107	101	Biscayne	4/12/1929
8411	25° 44'	80° 13'	100258	CITY OF MIAMI	FDEP	Class V Non-ASR	-	107	98	Biscayne	12/10/1928
8412	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	107	60	Biscayne	6/25/2009
8413	25° 53'	80° 7'	101864	OCEANA AKA CONSULTATIO	FDEP	Class V Non-ASR	-	107	77	Biscayne	8/29/2014
8414	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	107	76	Biscayne	7/7/2011
8415	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	107	77	Biscayne	4/25/2019
8416	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	107	87	Biscayne	12/20/2013
8417	25° 47'	80° 8'	56512	FIENBERG FISHER ELEMENTARY	FDEP	Class V Non-ASR	-	107	74	Biscayne	9/15/1992
8418	25° 47'	80° 7'	56512	FIENBERG FISHER ELEMENTARY	FDEP	Class V Non-ASR	-	107	89	Biscayne	9/15/1992
8419	25° 54'	80° 8'	56575	DADE CO 662251 NE 151 ST. TO FIU	FDEP	Class V Non-ASR	-	107	80	Biscayne	7/12/1995
8420	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	107	63	Biscayne	4/10/1992
8421	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	107	63	Biscayne	4/10/1992
8422	25° 46'	80° 11'	57039	FEDERAL LAW ENFORCEMENT BUILDING	FDEP	Class V Non-ASR	-	107	87	Biscayne	10/4/1991
8423	25° 45'	80° 8'	57366	FISHER ISLAND SEASIDE VILLAS	FDEP	Class V Non-ASR	-	107	82	Biscayne	10/13/1987
8424	25° 43'	80° 14'	60228	MIAMI CHART HOUSE	FDEP	Class V Non-ASR	-	107	76	Biscayne	4/19/1982
8425	25° 47'	80° 14'	62005	WOMETCO ENTERPRISES	FDEP	Class V Non-ASR	-	107	97	Biscayne	8/14/1984
8426	25° 47'	80° 12'	59937	CONSOLIDATION OF MENTAL HEALTH SERV	FDEP	Class V Non-ASR	-	107	92	Biscayne	5/1/1997
8427	25° 48'	80° 7'	59983	CAPOMAR	FDEP	Class V Non-ASR	-	107	87	Biscayne	3/12/1998
8428	25° 48'	80° 11'	60112	BAY POINT PLACE CONDONINIUM	FDEP	Class V Non-ASR	-	107	100	Biscayne	1/9/1984
8429	25° 48'	80° 11'	60112	BAY POINT PLACE CONDONINIUM	FDEP	Class V Non-ASR	-	107	92	Biscayne	12/2/1983
8430	25° 46'	80° 11'	60136	MIAMI CENTER	FDEP	Class V Non-ASR	-	107	96	Biscayne	11/13/1981
8431	25° 45'	80° 15'	62482	FLORIDA STATE THEATERS	FDEP	Class V Non-ASR	-	107	100	Biscayne	10/4/1984
8432	25° 53'	80° 7'	60171	WIMBLEDON RACQUET CLUB, INC.	FDEP	Class V Non-ASR	-	107	94	Biscayne	7/30/1980
8433	25° 48'	80° 12'	64251	MIA. HOME MILK PROD.	FDEP	Class V Non-ASR	-	107	97	Biscayne	10/22/1984
8434	25° 40'	80° 17'	62856	STEPHENS, R. M.	FDEP	Class V Non-ASR	-	107	94	Biscayne	11/9/1984
8435	25° 45'	80° 14'	63920	WEBB, L.O.	FDEP	Class V Non-ASR	-	107	95	Biscayne	8/16/1985
8436	25° 46'	80° 9'	65415	FDOT 87000-3682 MCARTHUR C. TO STAR ISLAND	FDEP	Class V Non-ASR	-	107	57	Biscayne	5/14/1992
8437	25° 46'	80° 10'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	107	53	Biscayne	5/14/1993
8438	25° 46'	80° 9'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	107	61	Biscayne	5/14/1993
8439	25° 46'	80° 9'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	107	60	Biscayne	5/14/1993
8440	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	107	57	Biscayne	3/1/1995
8441	25° 47'	80° 10'	65458	FDOT-MACARTHUR CWSY.BR-87060-3549	FDEP	Class V Non-ASR	-	107	54	Biscayne	7/19/1995
8442	25° 53'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	107	72	Biscayne	7/28/1994
8443	25° 52'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	107	50	Biscayne	7/28/1994
8444	25° 47'	80° 12'	63139	JACKSON MEMORIAL HOSPITAL	FDEP	Class V Non-ASR	-	107	88	Biscayne	12/27/1984
8445	25° 47'	80° 11'	87462	BRAMAN CADILLAC, INC.	FDEP	Class V Non-ASR	-	107	96	Biscayne	6/14/2001
8446	25° 47'	80° 11'	90097	BISCAYNE VILLAGE	FDEP	Class V Non-ASR	-	107	86	Biscayne	1/15/2003
8447	25° 47'	80° 11'	90097	BISCAYNE VILLAGE	FDEP	Class V Non-ASR	-	107	88	Biscayne	1/13/2003
8448	25° 47'	80° 11'	88494	MIAMI-DADE COUNTY PERFORMING ARTS CENTER	FDEP	Class V Non-ASR	-	107	91	Biscayne	2/12/2002
8449	25° 51'	80° 7'	90007	NORTH SHORE PARK & YOUTH CENTER	FDEP	Class V Non-ASR	-	107	64	Biscayne	10/4/2002
8450	25° 45'	80° 11'	93709	FIREHOUSE SUBSTATION	FDEP	Class V Non-ASR	-	107	90	Biscayne	2/27/2006
8451	25° 46'	80° 7'	93216	CONTINUUM II ON SOUTH BEACH	FDEP	Class V Non-ASR	-	107	88	Biscayne	8/23/2005
8452	25° 51'	80° 7'	92476	CARILLON HOTEL	FDEP	Class V Non-ASR	-	107	92	Biscayne	11/19/2004
8453	25° 49'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	107	78	Biscayne	5/31/2006
8454	25° 46'	80° 11'	91302	UNITED STATES FEDERAL COURT HOUSE	FDEP	Class V Non-ASR	-	107	89	Biscayne	11/6/2003
8455	25° 46'	80° 11'	94715	JOSE MARTI PARK GYMNASIUM	FDEP	Class V Non-ASR	-	107	97	Biscayne	7/13/2007
8456	25° 51'	80° 8'	94716	NORMANDY SHORES NEIGHBORHOOD NO 3	FDEP	Class V Non-ASR	-	107	82	Biscayne	3/4/2008
8457	25° 45'	80° 8'	94723	SOUTH POINTE PARK	FDEP	Class V Non-ASR	-	107	85	Biscayne	8/29/2007

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
8458	25° 53'	80° 7'	94187	115 CAMDEN DRIVE	FDEP	Class V Non-ASR	-	107	78	Biscayne	6/29/2006
8459	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	107	76	Biscayne	12/15/2015
8460	25° 53'	80° 7'	102698	101 BAY HARBOR	FDEP	Class V Non-ASR	-	107	88	Biscayne	2/16/2016
8461	25° 50'	80° 10'	101544	OASIS ON THE BAY	FDEP	Class V Non-ASR	-	108	94	Biscayne	4/3/2014
8462	25° 50'	80° 10'	101544	OASIS ON THE BAY	FDEP	Class V Non-ASR	-	108	90	Biscayne	3/7/2014
8463	25° 55'	80° 9'	100944	BISCAYNE OFFICE VILLAGE	FDEP	Class V Non-ASR	-	108	93	Biscayne	2/4/2013
8464	25° 55'	80° 9'	100944	BISCAYNE OFFICE VILLAGE	FDEP	Class V Non-ASR	-	108	88	Biscayne	6/2/2015
8465	25° 55'	80° 9'	100944	BISCAYNE OFFICE VILLAGE	FDEP	Class V Non-ASR	-	108	88	Biscayne	6/8/2015
8466	25° 55'	80° 9'	100944	BISCAYNE OFFICE VILLAGE	FDEP	Class V Non-ASR	-	108	88	Biscayne	5/27/2015
8467	25° 55'	80° 9'	100944	BISCAYNE OFFICE VILLAGE	FDEP	Class V Non-ASR	-	108	88	Biscayne	6/3/2015
8468	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	108	77	Biscayne	4/25/2019
8469	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	108	77	Biscayne	4/25/2019
8470	25° 45'	80° 11'	101489	PANORAMA TOWER AT 1101 BRICKELL	FDEP	Class V Non-ASR	-	108	95	Biscayne	10/1/2014
8471	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	108	86	Biscayne	8/12/2014
8472	25° 45'	80° 11'	101508	CITY CROSSING APARTMENTS	FDEP	Class V Non-ASR	-	108	90	Biscayne	1/16/2014
8473	25° 47'	80° 7'	100785	FDOT SR A1A COLLINS AVE FROM 5TH STREET TO LINCOLN RD.	FDEP	Class V Non-ASR	-	108	85	Biscayne	10/24/2013
8474	25° 45'	80° 11'	101909	ECHO BRICKELL	FDEP	Class V Non-ASR	-	108	90	Biscayne	5/19/2015
8475	25° 45'	80° 11'	101909	ECHO BRICKELL	FDEP	Class V Non-ASR	-	108	90	Biscayne	5/19/2015
8476	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	108	73	Biscayne	10/8/1993
8477	25° 48'	80° 11'	102355	ONE PARAISO	FDEP	Class V Non-ASR	-	108	90	Biscayne	9/14/2015
8478	25° 45'	80° 8'	57429	FISHER ISLAND PHASE I BLDGS.1&2	FDEP	Class V Non-ASR	-	108	83	Biscayne	1/21/1988
8479	25° 47'	80° 12'	58100	SYLVESTER COMPREHENSIVE CANCER CTR.	FDEP	Class V Non-ASR	-	108	96	Biscayne	2/21/1990
8480	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	108	46	Biscayne	4/10/1992
8481	25° 44'	80° 13'	58473	L'HERMITAGE	FDEP	Class V Non-ASR	-	108	63	Biscayne	4/24/1991
8482	25° 53'	80° 7'	59447	THE PALACE AT BAL HARBOUR	FDEP	Class V Non-ASR	-	108	94	Biscayne	7/5/1994
8483	25° 47'	80° 11'	60244	PLAZA VENETIA PHASE 2	FDEP	Class V Non-ASR	-	108	91	Biscayne	1/12/1983
8484	25° 46'	80° 8'	60252	MIAMI BEACH, CITY OF	FDEP	Class V Non-ASR	-	108	97	Biscayne	10/6/1981
8485	25° 43'	80° 14'	60264	GRAND BAY PLAZA OFFICE BUILDING	FDEP	Class V Non-ASR	-	108	51	Biscayne	4/7/1983
8486	25° 46'	80° 11'	60290	METROPOLITAN DADE CO. CULTURAL CTR.	FDEP	Class V Non-ASR	-	108	83	Biscayne	8/18/1980
8487	25° 52'	80° 7'	60329	STELLA MARIS HOUSE, INC.	FDEP	Class V Non-ASR	-	108	75	Biscayne	4/19/1985
8488	25° 48'	80° 11'	60332	BAY POINT PLACE IMPROVEMENT	FDEP	Class V Non-ASR	-	108	95	Biscayne	11/30/1984
8489	25° 47'	80° 12'	60403	RIKZ, A.	FDEP	Class V Non-ASR	-	108	0	Biscayne	7/12/1984
8490	25° 47'	80° 7'	59929	LOEWS	FDEP	Class V Non-ASR	-	108	92	Biscayne	7/9/1996
8491	25° 51'	80° 12'	62288	NORTH SHORE HOSPITAL	FDEP	Class V Non-ASR	-	108	97	Biscayne	10/8/1984
8492	25° 47'	80° 12'	62368	EMBRY-RIDDLE PLANT	FDEP	Class V Non-ASR	-	108	11	Biscayne	9/21/1984
8493	25° 46'	80° 11'	60168	METRO-DADE CO. ADMINISTRATION BLDG.	FDEP	Class V Non-ASR	-	108	102	Biscayne	9/3/1981
8494	25° 43'	80° 14'	65332	GROVE HARBOUR	FDEP	Class V Non-ASR	-	108	88	Biscayne	7/3/1986
8495	25° 46'	80° 11'	65401	FDOT 87000-3687 PORT OF MIAMI BRIDGE	FDEP	Class V Non-ASR	-	108	85	Biscayne	11/16/1988
8496	25° 46'	80° 11'	65401	FDOT 87000-3687 PORT OF MIAMI BRIDGE	FDEP	Class V Non-ASR	-	108	87	Biscayne	11/16/1988
8497	25° 46'	80° 9'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	108	75	Biscayne	5/14/1993
8498	25° 54'	80° 7'	94909	HAULOVER MARINA	FDEP	Class V Non-ASR	-	108	83	Biscayne	1/14/2008
8499	25° 45'	80° 8'	84674	OCEANSIDE V CONDOMINIUM	FDEP	Class V Non-ASR	-	108	62	Biscayne	3/2/2000
8500	25° 43'	80° 14'	84874	CLOISTERS ON THE BAY, LTD.	FDEP	Class V Non-ASR	-	108	68	Biscayne	8/21/2000
8501	25° 46'	80° 8'	85435	CONTINUUM ON SOUTH BEACH	FDEP	Class V Non-ASR	-	108	68	Biscayne	5/17/2000
8502	25° 46'	80° 7'	85435	CONTINUUM ON SOUTH BEACH	FDEP	Class V Non-ASR	-	108	88	Biscayne	5/22/2000
8503	25° 46'	80° 8'	86380	SHOPS AT PORTOFINO	FDEP	Class V Non-ASR	-	108	68	Biscayne	9/14/2000
8504	25° 46'	80° 11'	87105	TECHNOLOGY CENTER OF THE AMERICAS	FDEP	Class V Non-ASR	-	108	95	Biscayne	3/5/2001
8505	25° 46'	80° 11'	87105	TECHNOLOGY CENTER OF THE AMERICAS	FDEP	Class V Non-ASR	-	108	91	Biscayne	2/21/2001
8506	25° 47'	80° 11'	88345	METROMIX PLANT 3	FDEP	Class V Non-ASR	-	108	80	Biscayne	8/9/2002
8507	25° 46'	80° 11'	93191	LOFTS II	FDEP	Class V Non-ASR	-	108	94	Biscayne	8/30/2005
8508	25° 46'	80° 7'	93216	CONTINUUM II ON SOUTH BEACH	FDEP	Class V Non-ASR	-	108	88	Biscayne	9/16/2005
8509	25° 51'	80° 7'	92476	CARILLON HOTEL	FDEP	Class V Non-ASR	-	108	76	Biscayne	8/15/2006
8510	25° 46'	80° 11'	91969	BRICKELL TENNIS CLUB NOW BRICKELL CITYCENTRE	FDEP	Class V Non-ASR	-	108	94	Biscayne	12/23/2011
8511	25° 46'	80° 7'	94648	SOUTH OF FIFTH	FDEP	Class V Non-ASR	-	108	80	Biscayne	4/16/2007
8512	25° 47'	80° 11'	94182	PARAMOUNT BAY EDGEWATER SQUARE	FDEP	Class V Non-ASR	-	108	93	Biscayne	2/2/2007
8513	25° 47'	80° 11'	94182	PARAMOUNT BAY EDGEWATER SQUARE	FDEP	Class V Non-ASR	-	108	91	Biscayne	9/11/2006
8514	25° 47'	80° 11'	94182	PARAMOUNT BAY EDGEWATER SQUARE	FDEP	Class V Non-ASR	-	108	90	Biscayne	2/2/2007
8515	25° 46'	80° 12'	94265	VISTA DEL RIO	FDEP	Class V Non-ASR	-	108	91	Biscayne	2/28/2007
8516	25° 52'	80° 7'	102755	8701 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	108	86	Biscayne	2/2/2017
8517	25° 45'	80° 11'	103008	MARY BRICKELL VILLAGE DRAINAGE & ROADWAY IMPROVEMENT	FDEP	Class V Non-ASR	-	108	85	Biscayne	11/29/2016
8518	25° 44'	80° 14'	102577	MATER GROVE ACADEMY	FDEP	Class V Non-ASR	-	108	87	Biscayne	12/28/2015
8519	25° 45'	80° 11'	102135	SLS LUX	FDEP	Class V Non-ASR	-	109	86	Biscayne	3/13/2015
8520	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	109	60	Biscayne	6/15/2009
8521	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	109	60	Biscayne	8/12/2009
8522	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	109	60	Biscayne	8/20/2009
8523	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	109	60	Biscayne	8/18/2009
8524	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	109	60	Biscayne	8/17/2009
8525	25° 53'	80° 7'	101864	OCEANA AKA CONSULTATIO	FDEP	Class V Non-ASR	-	109	76	Biscayne	8/18/2014
8526	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	109	77	Biscayne	4/25/2019
8527	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	109	77	Biscayne	5/1/2019
8528	25° 47'	80° 11'	99600	23 PLAZA CORPORATION	FDEP	Class V Non-ASR	-	109	96	Biscayne	10/7/2011
8529	25° 45'	80° 11'	101841	LE PARC AT BRICKELL	FDEP	Class V Non-ASR	-	109	100	Biscayne	8/28/2014
8530	25° 47'	80° 11'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	109	72	Biscayne	5/27/1993
8531	25° 50'	80° 8'	56525	TREASURE ISLAND ELEMENTARY SCHOOL	FDEP	Class V Non-ASR	-	109	84	Biscayne	5/28/1993
8532	25° 47'	80° 11'	57717	BURGER KING RESTAURANT	FDEP	Class V Non-ASR	-	109	96	Biscayne	10/28/1988
8533	25° 46'	80° 11'	61775	U.S. POST OFFICE	FDEP	Class V Non-ASR	-	109	102	Biscayne	8/1/1984
8534	25° 42'	80° 17'	62602	FUCHS BAKING CO.	FDEP	Class V Non-ASR	-	109	102	Biscayne	10/18/1984
8535	25° 47'	80° 11'	60244	PLAZA VENETIA PHASE 2	FDEP	Class V Non-ASR	-	109	101	Biscayne	12/16/1982
8536	25° 50'	80° 11'	60518	ALOHA MOTEL	FDEP	Class V Non-ASR	-	109	104	Biscayne	7/30/1984
8537	25° 47'	80° 14'	60589	ARTBUILT HOMES	FDEP	Class V Non-ASR	-	109	84	Biscayne	8/1/1984
8538	25° 53'	80° 7'	60004	ONE BAL HARBOUR (HARBOUR HOUSE APTS (N & S)	FDEP	Class V Non-ASR	-	109	81	Biscayne	6/8/2007
8539	25° 52'	80° 7'	60023	BEACH POINT CLUB CONDOMINIUM	FDEP	Class V Non-ASR	-	109	88	Biscayne	3/16/1999
8540	25° 48'	80° 11'	60112	BAY POINT PLACE CONDONINIUM	FDEP	Class V Non-ASR	-	109	95	Biscayne	12/23/1983
8541	25° 48'	80° 7'	60152	GRIMSBY REALTY N.V.	FDEP	Class V Non-ASR	-	109	98	Biscayne	8/31/1981
8542	25° 47'	80° 11'	60184	MARRIOTT HOTEL PLAZA	FDEP	Class V Non-ASR	-	109	99	Biscayne	3/22/1982
8543	25° 49'	80° 12'	64232	METRO. LAUNDRY	FDEP	Class V Non-ASR	-	109	100	Biscayne	10/22/1984
8544	25° 47'	80° 7'	63457	HOLIDAY INN, INC.	FDEP	Class V Non-ASR	-	109	102	Biscayne	12/17/1986
8545	25° 48'	80° 7'	62719	PANCOAST DRUG STORE	FDEP	Class V Non-ASR	-	109	100	Biscayne	10/19/1984
8546	25° 46'	80° 11'	65401	FDOT 87000-3687 PORT OF MIAMI BRIDGE	FDEP	Class V Non-ASR	-	109	83	Biscayne	11/14/1988

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
8547	25° 53'	80° 9'	65439	FDOT 87066-3503 NORTHEAST 123 ST.	FDEP	Class V Non-ASR	-	109	73	Biscayne	10/31/1991
8548	25° 46'	80° 10'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	109	55	Biscayne	5/14/1993
8549	25° 46'	80° 9'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	109	57	Biscayne	5/14/1993
8550	25° 46'	80° 9'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	109	69	Biscayne	5/14/1993
8551	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	109	52	Biscayne	3/1/1995
8552	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	109	51	Biscayne	3/1/1995
8553	25° 54'	80° 9'	65485	FDOT - SR5/US1/BISCAYNE BLVD.	FDEP	Class V Non-ASR	-	109	58	Biscayne	3/1/1995
8554	25° 46'	80° 11'	65517	FDOT 87030-1553 OLETA RIVER-NE 194TH ST.	FDEP	Class V Non-ASR	-	109	95	Biscayne	1/24/1985
8555	25° 46'	80° 8'	86666	SOUTH POINTE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	109	79	Biscayne	2/14/2001
8556	25° 46'	80° 8'	86666	SOUTH POINTE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	109	67	Biscayne	7/30/2002
8557	25° 45'	80° 11'	90034	MARY BRICKELL VILLAGE	FDEP	Class V Non-ASR	-	109	89	Biscayne	11/14/2003
8558	25° 45'	80° 11'	90034	MARY BRICKELL VILLAGE	FDEP	Class V Non-ASR	-	109	97	Biscayne	1/30/2004
8559	25° 45'	80° 11'	90034	MARY BRICKELL VILLAGE	FDEP	Class V Non-ASR	-	109	92	Biscayne	12/30/2003
8560	25° 49'	80° 7'	92942	OBR APARTMENT/HOTEL	FDEP	Class V Non-ASR	-	109	100	Biscayne	2/13/2006
8561	25° 49'	80° 7'	92942	OBR APARTMENT/HOTEL	FDEP	Class V Non-ASR	-	109	100	Biscayne	3/3/2006
8562	25° 47'	80° 7'	94984	WALGREENS STORE # 01924	FDEP	Class V Non-ASR	-	109	80	Biscayne	2/15/2009
8563	25° 48'	80° 11'	106218	700 EDGEWATER	FDEP	Class V Non-ASR	-	109	86	Biscayne	9/18/2019
8564	25° 45'	80° 11'	102135	SLS LUX	FDEP	Class V Non-ASR	-	110	85	Biscayne	2/26/2015
8565	25° 45'	80° 11'	101863	BRICKELL HEIGHTS I & II	FDEP	Class V Non-ASR	-	110	90	Biscayne	8/5/2014
8566	25° 45'	80° 11'	101863	BRICKELL HEIGHTS I & II	FDEP	Class V Non-ASR	-	110	90	Biscayne	7/23/2014
8567	25° 45'	80° 11'	101863	BRICKELL HEIGHTS I & II	FDEP	Class V Non-ASR	-	110	88	Biscayne	7/28/2014
8568	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	110	77	Biscayne	4/25/2019
8569	25° 45'	80° 11'	101489	PANORAMA TOWER AT 1101 BRICKELL	FDEP	Class V Non-ASR	-	110	95	Biscayne	10/1/2014
8570	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	110	82	Biscayne	8/12/2014
8571	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	110	82	Biscayne	8/12/2014
8572	25° 48'	80° 7'	98709	BAYSHORE NEIGHBORHOOD PKG A AND C	FDEP	Class V Non-ASR	-	110	92	Biscayne	8/12/2014
8573	25° 45'	80° 11'	101841	LE PARC AT BRICKELL	FDEP	Class V Non-ASR	-	110	100	Biscayne	7/16/2014
8574	25° 45'	80° 11'	100329	SHUL OF DOWNTOWN	FDEP	Class V Non-ASR	-	110	87	Biscayne	5/31/2012
8575	25° 46'	80° 12'	101632	GLF HEADQUARTERS	FDEP	Class V Non-ASR	-	110	98	Biscayne	1/12/2016
8576	25° 47'	80° 11'	102294	ARIA ON THE BAY	FDEP	Class V Non-ASR	-	110	97	Biscayne	6/5/2015
8577	25° 47'	80° 11'	102294	ARIA ON THE BAY	FDEP	Class V Non-ASR	-	110	97	Biscayne	6/2/2015
8578	25° 48'	80° 11'	101443	BAY HOUSE	FDEP	Class V Non-ASR	-	110	96	Biscayne	10/23/2013
8579	25° 45'	80° 11'	101909	ECHO BRICKELL	FDEP	Class V Non-ASR	-	110	90	Biscayne	5/14/2015
8580	25° 52'	80° 7'	57537	MARBELLA CONDOMINIUM	FDEP	Class V Non-ASR	-	110	84	Biscayne	3/20/1989
8581	25° 53'	80° 7'	59004	THE SHUL	FDEP	Class V Non-ASR	-	110	85	Biscayne	10/16/2017
8582	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	110	65	Biscayne	4/10/1992
8583	25° 45'	80° 8'	57640	SEASIDE PHASE II	FDEP	Class V Non-ASR	-	110	78	Biscayne	11/2/1988
8584	25° 45'	80° 8'	57640	SEASIDE PHASE II	FDEP	Class V Non-ASR	-	110	78	Biscayne	11/3/1988
8585	25° 46'	80° 12'	57013	PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	110	88	Biscayne	6/13/1990
8586	25° 45'	80° 8'	57745	FISHER ISLAND-OCEANSIDE BLDG. #2	FDEP	Class V Non-ASR	-	110	82	Biscayne	12/16/1988
8587	25° 45'	80° 8'	57745	FISHER ISLAND-OCEANSIDE BLDG. #2	FDEP	Class V Non-ASR	-	110	84	Biscayne	12/9/1988
8588	25° 47'	80° 8'	57076	MIAMI, CITY OF, FLAMINGO PARK	FDEP	Class V Non-ASR	-	110	72	Biscayne	10/18/1994
8589	25° 46'	80° 11'	57797	BISCAYNE VIEW APARTMENTS	FDEP	Class V Non-ASR	-	110	93	Biscayne	3/1/1989
8590	25° 45'	80° 11'	102276	CASSA BRICKELL	FDEP	Class V Non-ASR	-	110	100	Biscayne	10/5/2015
8591	25° 54'	80° 9'	60990	COMBUSTION ENGINEERING	FDEP	Class V Non-ASR	-	110	103	Biscayne	3/4/2008
8592	25° 51'	80° 11'	61759	TROPICAL CHEVROLET	FDEP	Class V Non-ASR	-	110	100	Biscayne	7/31/1984
8593	25° 46'	80° 11'	60253	ULTRAMONT SHOPPING CENTER	FDEP	Class V Non-ASR	-	110	92	Biscayne	4/12/1983
8594	25° 46'	80° 11'	60253	ULTRAMONT SHOPPING CENTER	FDEP	Class V Non-ASR	-	110	92	Biscayne	3/25/1983
8595	25° 46'	80° 11'	60278	MIAMI,CITY OF/UNIV.MIAMI-KNIGHT CTR	FDEP	Class V Non-ASR	-	110	94	Biscayne	5/29/1979
8596	25° 47'	80° 7'	60286	THE GEORGIAN, INC.	FDEP	Class V Non-ASR	-	110	90	Biscayne	7/26/1979
8597	25° 45'	80° 11'	61071	DADE BOARD OF PUBLIC INSTRUCTION	FDEP	Class V Non-ASR	-	110	100	Biscayne	8/30/1984
8598	25° 47'	80° 15'	60400	A.P.I. CORP.	FDEP	Class V Non-ASR	-	110	100	Biscayne	7/3/1984
8599	25° 53'	80° 7'	60663	BEEKMAN TOWERS	FDEP	Class V Non-ASR	-	110	100	Biscayne	8/6/1984
8600	25° 45'	80° 15'	61519	SNACK'N SODA SHOP	FDEP	Class V Non-ASR	-	110	0	Biscayne	7/20/1984
8601	25° 44'	80° 15'	62424	FEDERAL SAVINGS & LOAN	FDEP	Class V Non-ASR	-	110	0	Biscayne	9/24/1984
8602	25° 46'	80° 10'	60135	BRICKELL KEY	FDEP	Class V Non-ASR	-	110	97	Biscayne	8/10/1981
8603	25° 48'	80° 15'	60922	CITIZEN'S ICE CO.	FDEP	Class V Non-ASR	-	110	0	Biscayne	8/21/1984
8604	25° 52'	80° 7'	60925	CITY CLERK	FDEP	Class V Non-ASR	-	110	102	Biscayne	8/21/1984
8605	25° 48'	80° 7'	60152	GRIMSBY REALTY N.V.	FDEP	Class V Non-ASR	-	110	98	Biscayne	8/31/1981
8606	25° 45'	80° 13'	62717	PAN AMERICAN BANK OF MIAMI	FDEP	Class V Non-ASR	-	110	100	Biscayne	11/14/1984
8607	25° 45'	80° 15'	64345	MOSS & GITTLEMAN	FDEP	Class V Non-ASR	-	110	0	Biscayne	10/25/1984
8608	25° 50'	80° 11'	62983	CADORE, RICHARD A.	FDEP	Class V Non-ASR	-	110	110	Biscayne	11/19/1984
8609	25° 48'	80° 12'	62939	NEHI BOTTLING CO.	FDEP	Class V Non-ASR	-	110	106	Biscayne	11/20/1984
8610	25° 53'	80° 10'	62941	NORTH MIAMI LAUNDRY	FDEP	Class V Non-ASR	-	110	99	Biscayne	1/1/1997
8611	25° 46'	80° 11'	65302	COURTHOUSE CENTRE	FDEP	Class V Non-ASR	-	110	93	Biscayne	12/24/1985
8612	25° 44'	80° 14'	65368	CENTURY PLATING OF CORAL GABLES	FDEP	Class V Non-ASR	-	110	110	Biscayne	1/1/1961
8613	25° 46'	80° 9'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	110	84	Biscayne	5/14/1993
8614	25° 48'	80° 13'	64125	MAHI SHRINE	FDEP	Class V Non-ASR	-	110	99	Biscayne	10/9/1984
8615	25° 43'	80° 14'	84874	CLOISTERS ON THE BAY, LTD.	FDEP	Class V Non-ASR	-	110	80	Biscayne	3/9/2000
8616	25° 53'	80° 7'	83418	SOLIMAR CONDOMINIUMS	FDEP	Class V Non-ASR	-	110	85	Biscayne	6/11/1999
8617	25° 46'	80° 8'	86666	SOUTH POINTE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	110	65	Biscayne	8/9/2002
8618	25° 45'	80° 11'	89456	BRICKELL BAY VILLAGE APTS.	FDEP	Class V Non-ASR	-	110	83	Biscayne	7/26/2002
8619	25° 48'	80° 11'	92250	YORKER	FDEP	Class V Non-ASR	-	110	93	Biscayne	8/16/2004
8620	25° 48'	80° 7'	91692	FIRE STATION # 2	FDEP	Class V Non-ASR	-	110	96	Biscayne	3/24/2004
8621	25° 51'	80° 7'	92476	CARILLON HOTEL	FDEP	Class V Non-ASR	-	110	95	Biscayne	11/21/2005
8622	25° 46'	80° 8'	93226	APOGEE	FDEP	Class V Non-ASR	-	110	62	Biscayne	10/10/2005
8623	25° 46'	80° 11'	91969	BRICKELL TENNIS CLUB NOW BRICKELL CITYCENTRE	FDEP	Class V Non-ASR	-	110	80	Biscayne	5/20/2013
8624	25° 48'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	110	87	Biscayne	6/30/2006
8625	25° 48'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	110	96	Biscayne	6/23/2006
8626	25° 50'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	110	98	Biscayne	11/28/2006
8627	25° 46'	80° 11'	92738	OVERTOWN TRANSIT VILLAGE	FDEP	Class V Non-ASR	-	110	100	Biscayne	8/9/2005
8628	25° 46'	80° 11'	92738	OVERTOWN TRANSIT VILLAGE	FDEP	Class V Non-ASR	-	110	100	Biscayne	3/27/2006
8629	25° 45'	80° 11'	91376	PARK PLACE AT BRICKELL	FDEP	Class V Non-ASR	-	110	92	Biscayne	10/9/2003
8630	25° 47'	80° 11'	93662	CONCERT HALL	FDEP	Class V Non-ASR	-	110	91	Biscayne	2/22/2006
8631	25° 45'	80° 11'	94481	INFINITY AT BRICKELL	FDEP	Class V Non-ASR	-	110	100	Biscayne	2/20/2007
8632	25° 51'	80° 8'	94716	NORMANDY SHORES NEIGHBORHOOD NO 3	FDEP	Class V Non-ASR	-	110	77	Biscayne	2/20/2008
8633	25° 47'	80° 7'	94135	ELAN CONDOMINIUM	FDEP	Class V Non-ASR	-	110	70	Biscayne	6/6/2006
8634	25° 52'	80° 8'	94349	PENGUIN ESTATES	FDEP	Class V Non-ASR	-	110	97	Biscayne	11/10/2006
8635	25° 46'	80° 12'	106368	702 SW 1ST STREET	FDEP	Class V Non-ASR	-	110	85	Biscayne	1/21/2020

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
8636	25° 47'	80° 8'	105289	BELLA ISLA APARTMENTS	FDEP	Class V Non-ASR	-	110	89	Biscayne	6/8/2018
8637	25° 45'	80° 11'	105938	THE UNDERLINE PHASE 1	FDEP	Class V Non-ASR	-	110	90	Biscayne	12/8/2019
8638	25° 44'	80° 14'	102552	MIAMI CITY SELF STORAGE 28TH LANE	FDEP	Class V Non-ASR	-	110	85	Biscayne	11/4/2015
8639	25° 53'	80° 9'	103720	127TH STREET SHOPPING CENTER	FDEP	Class V Non-ASR	-	110	76	Biscayne	11/29/2017
8640	25° 53'	80° 9'	103720	127TH STREET SHOPPING CENTER	FDEP	Class V Non-ASR	-	110	76	Biscayne	10/16/2018
8641	25° 45'	80° 11'	106282	115 SW 8 ST-CF BRICKELL	FDEP	Class V Non-ASR	-	110	86	Biscayne	11/28/2019
8642	25° 45'	80° 11'	102135	SLS LUX	FDEP	Class V Non-ASR	-	111	88	Biscayne	3/5/2015
8643	25° 52'	80° 7'	101879	SURFSIDE RESIDENCE INN BY MARRIOTT	FDEP	Class V Non-ASR	-	111	92	Biscayne	6/18/2014
8644	25° 45'	80° 11'	101961	HOMEWOOD SUITS	FDEP	Class V Non-ASR	-	111	100	Biscayne	6/23/2015
8645	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	111	60	Biscayne	8/26/2009
8646	25° 45'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	111	89	Biscayne	7/20/2011
8647	25° 46'	80° 10'	98805	FDOT PORT OF MIAMI TUNNEL	FDEP	Class V Non-ASR	-	111	89	Biscayne	12/13/2010
8648	25° 47'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	111	79	Biscayne	6/7/1993
8649	25° 45'	80° 14'	57443	MIRACLE CENTER	FDEP	Class V Non-ASR	-	111	97	Biscayne	11/5/1987
8650	25° 46'	80° 8'	58223	SOUTH POINTE ELEMENTARY	FDEP	Class V Non-ASR	-	111	75	Biscayne	9/6/1990
8651	25° 50'	80° 10'	57114	BELLE MEADE STORM SEWER PH II A	FDEP	Class V Non-ASR	-	111	80	Biscayne	2/13/1995
8652	25° 52'	80° 11'	59299	SAINT ROSA OF LIMA CATHOLIC CHURCH	FDEP	Class V Non-ASR	-	111	107	Biscayne	11/10/1993
8653	25° 47'	80° 12'	57961	MEDICAL CENTER CAMPUS, PHASE II	FDEP	Class V Non-ASR	-	111	92	Biscayne	10/18/1989
8654	25° 46'	80° 11'	60290	METROPOLITAN DADE CO. CULTURAL CTR.	FDEP	Class V Non-ASR	-	111	81	Biscayne	8/29/1980
8655	25° 49'	80° 11'	61538	SABAL PALM CONSTRUCTION	FDEP	Class V Non-ASR	-	111	84	Biscayne	7/20/1984
8656	25° 50'	80° 7'	60169	ARLEN BEACH ASSOCIATION, INC.	FDEP	Class V Non-ASR	-	111	107	Biscayne	9/17/1981
8657	25° 46'	80° 9'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	111	70	Biscayne	5/14/1993
8658	25° 46'	80° 9'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	111	68	Biscayne	5/14/1993
8659	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	111	58	Biscayne	3/11/1995
8660	25° 51'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	111	88	Biscayne	6/23/1995
8661	25° 45'	80° 12'	83642	THE METROPOLITAN	FDEP	Class V Non-ASR	-	111	80	Biscayne	8/5/1999
8662	25° 46'	80° 8'	86666	SOUTH POINTE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	111	60	Biscayne	1/5/2001
8663	25° 47'	80° 12'	86279	POMPEII FURNITURE COMPNAY, INC.	FDEP	Class V Non-ASR	-	111	96	Biscayne	1/8/2002
8664	25° 45'	80° 11'	86547	EXTENDED STAY AMERICA	FDEP	Class V Non-ASR	-	111	88	Biscayne	10/10/2000
8665	25° 43'	80° 14'	88734	TRANSWESTERN COCOWALK	FDEP	Class V Non-ASR	-	111	63	Biscayne	4/3/2001
8666	25° 47'	80° 11'	88494	MIAMI-DADE COUNTY PERFORMING ARTS CENTER	FDEP	Class V Non-ASR	-	111	91	Biscayne	5/9/2002
8667	25° 47'	80° 11'	88494	MIAMI-DADE COUNTY PERFORMING ARTS CENTER	FDEP	Class V Non-ASR	-	111	93	Biscayne	12/5/2001
8668	25° 47'	80° 11'	88494	MIAMI-DADE COUNTY PERFORMING ARTS CENTER	FDEP	Class V Non-ASR	-	111	91	Biscayne	12/22/2001
8669	25° 50'	80° 11'	88583	MCARTHUR DAIRY-DEAN FOODS PLANT	FDEP	Class V Non-ASR	-	111	110	Biscayne	1/1/1970
8670	25° 46'	80° 10'	92003	PORT OF MIAMI	FDEP	Class V Non-ASR	-	111	70	Biscayne	12/29/2004
8671	25° 45'	80° 11'	91376	PARK PLACE AT BRICKELL	FDEP	Class V Non-ASR	-	111	90	Biscayne	11/13/2003
8672	25° 51'	80° 8'	92161	BAY LOFT CONDOMINIUM	FDEP	Class V Non-ASR	-	111	95	Biscayne	3/4/2005
8673	25° 44'	80° 15'	94190	ONE VILLAGE PLACE	FDEP	Class V Non-ASR	-	111	97	Biscayne	1/2/2007
8674	25° 45'	80° 11'	103008	MARY BRICKELL VILLAGE DRAINAGE & ROADWAY IMPROVEMENT	FDEP	Class V Non-ASR	-	111	85	Biscayne	11/29/2016
8675	25° 48'	80° 11'	102928	PARAISO RESTAURANT	FDEP	Class V Non-ASR	-	111	100	Biscayne	9/14/2016
8676	25° 46'	80° 12'	98637	MADISON VIEW ONE	FDEP	Class V Non-ASR	-	112	97	Biscayne	3/25/2010
8677	25° 45'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	112	86	Biscayne	7/6/2011
8678	25° 48'	80° 11'	101696	CRIMSON TOWER	FDEP	Class V Non-ASR	-	112	93	Biscayne	3/15/2015
8679	25° 53'	80° 8'	100101	JOSE COJAB RESIDENCE	FDEP	Class V Non-ASR	-	112	75	Biscayne	11/25/2011
8680	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	112	77	Biscayne	8/1/2019
8681	25° 45'	80° 11'	101489	PANORAMA TOWER AT 1101 BRICKELL	FDEP	Class V Non-ASR	-	112	92	Biscayne	10/1/2014
8682	25° 46'	80° 8'	101124	CONTINUUM II RESTAURANT	FDEP	Class V Non-ASR	-	112	96	Biscayne	5/23/2013
8683	25° 52'	80° 7'	101769	SURF CLUB (SC TRUST LLC)	FDEP	Class V Non-ASR	-	112	76	Biscayne	4/23/2014
8684	25° 48'	80° 7'	101287	TRAYMORE HOTEL	FDEP	Class V Non-ASR	-	112	74	Biscayne	7/2/2013
8685	25° 47'	80° 11'	102294	ARIA ON THE BAY	FDEP	Class V Non-ASR	-	112	97	Biscayne	6/6/2015
8686	25° 47'	80° 11'	102294	ARIA ON THE BAY	FDEP	Class V Non-ASR	-	112	97	Biscayne	6/3/2015
8687	25° 50'	80° 7'	100356	MONTE CARLO LUXARY RENTALS	FDEP	Class V Non-ASR	-	112	100	Biscayne	2/27/2012
8688	25° 49'	80° 10'	56477	CITY OF MIAMI, PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	112	86	Biscayne	9/5/1991
8689	25° 46'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	112	86	Biscayne	1/27/1993
8690	25° 45'	80° 8'	58140	FISHER ISLAND OCEANSIDE BLDGS. 3&4	FDEP	Class V Non-ASR	-	112	75	Biscayne	8/10/1990
8691	25° 45'	80° 8'	58140	FISHER ISLAND OCEANSIDE BLDGS. 3&4	FDEP	Class V Non-ASR	-	112	90	Biscayne	7/25/1990
8692	25° 44'	80° 15'	58981	BILL USSERY-MERCEDES BENZ	FDEP	Class V Non-ASR	-	112	91	Biscayne	2/25/1992
8693	25° 53'	80° 7'	59004	THE SHUL	FDEP	Class V Non-ASR	-	112	85	Biscayne	9/21/2017
8694	25° 45'	80° 8'	57668	FISHER ISLAND OCEANSIDE BUILDING 1	FDEP	Class V Non-ASR	-	112	78	Biscayne	9/26/1988
8695	25° 46'	80° 9'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	112	76	Biscayne	10/24/2011
8696	25° 46'	80° 10'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	112	84	Biscayne	6/21/2011
8697	25° 46'	80° 11'	57140	WORLD TRADE CENTER PARKING GARAGE	FDEP	Class V Non-ASR	-	112	98	Biscayne	6/10/1981
8698	25° 45'	80° 12'	59240	LOMBARDA I & II APARTMENT BUILDINGS	FDEP	Class V Non-ASR	-	112	101	Biscayne	10/2/1993
8699	25° 46'	80° 11'	57156	MIAMI SPORTS ARENA	FDEP	Class V Non-ASR	-	112	89	Biscayne	1/27/1987
8700	25° 41'	80° 9'	59312	COMMODORE CLUB SOUTH	FDEP	Class V Non-ASR	-	112	72	Biscayne	11/10/1993
8701	25° 44'	80° 15'	59412	DOUGLAS COVE	FDEP	Class V Non-ASR	-	112	78	Biscayne	4/5/1994
8702	25° 53'	80° 7'	60245	TOWN OF BAY HARBOR ISLANDS	FDEP	Class V Non-ASR	-	112	59	Biscayne	5/17/1983
8703	25° 45'	80° 16'	61835	BLANK, VIRGINIA J.	FDEP	Class V Non-ASR	-	112	15	Biscayne	8/3/1984
8704	25° 48'	80° 7'	61857	W. KINGS WAY, INC.	FDEP	Class V Non-ASR	-	112	94	Biscayne	8/7/1984
8705	25° 44'	80° 15'	60313	550 BILTMORE OFFICE BUILDING	FDEP	Class V Non-ASR	-	112	87	Biscayne	6/12/1984
8706	25° 50'	80° 11'	60681	POLLACK, BEN	FDEP	Class V Non-ASR	-	112	108	Biscayne	8/7/1984
8707	25° 43'	80° 14'	59977	MUTINY CONDOMINIUMS	FDEP	Class V Non-ASR	-	112	80	Biscayne	12/15/1997
8708	25° 45'	80° 15'	62953	OWNER UNKNOWN	FDEP	Class V Non-ASR	-	112	0	Biscayne	11/21/1984
8709	25° 45'	80° 11'	65338	UNITED NATIONAL BANK BUILDING	FDEP	Class V Non-ASR	-	112	99	Biscayne	8/5/1986
8710	25° 46'	80° 12'	65514	STATE ROAD 968/FLAGLER ST.	FDEP	Class V Non-ASR	-	112	80	Biscayne	1/18/2000
8711	25° 45'	80° 11'	84580	FOUR SEASONS HOTEL & TOWER	FDEP	Class V Non-ASR	-	112	89	Biscayne	11/23/1999
8712	25° 53'	80° 7'	84948	FDOT SR922/NE96 ST. & SRAIA/COLLINS AVE.	FDEP	Class V Non-ASR	-	112	75	Biscayne	5/21/2001
8713	25° 45'	80° 7'	85435	CONTINUUM ON SOUTH BEACH	FDEP	Class V Non-ASR	-	112	87	Biscayne	5/26/2000
8714	25° 45'	80° 11'	85505	ESPIRITO SANTO PLAZA	FDEP	Class V Non-ASR	-	112	85	Biscayne	10/2/2000
8715	25° 47'	80° 11'	88494	MIAMI-DADE COUNTY PERFORMING ARTS CENTER	FDEP	Class V Non-ASR	-	112	91	Biscayne	12/17/2001
8716	25° 45'	80° 11'	90034	MARY BRICKELL VILLAGE	FDEP	Class V Non-ASR	-	112	90	Biscayne	11/21/2003
8717	25° 55'	80° 9'	92275	AVANTI CENTER	FDEP	Class V Non-ASR	-	112	88	Biscayne	9/13/2004
8718	25° 51'	80° 7'	92476	CARILLON HOTEL	FDEP	Class V Non-ASR	-	112	91	Biscayne	7/18/2006
8719	25° 47'	80° 11'	92545	QUANTUM ON THE BAY	FDEP	Class V Non-ASR	-	112	97	Biscayne	4/1/2005
8720	25° 45'	80° 12'	91246	MARQUIS I OF CORAL WAY CONDOMINIUM	FDEP	Class V Non-ASR	-	112	90	Biscayne	6/30/2004
8721	25° 49'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	112	102	Biscayne	3/29/2006
8722	25° 46'	80° 7'	92105	CONGRESS HOTEL	FDEP	Class V Non-ASR	-	112	91	Biscayne	6/24/2004
8723	25° 52'	80° 8'	94349	PENGUIN ESTATES	FDEP	Class V Non-ASR	-	112	96	Biscayne	11/28/2006
8724	25° 45'	80° 11'	106282	115 SW 8 ST-CF BRICKELL	FDEP	Class V Non-ASR	-	112	85	Biscayne	11/30/2019

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
8725	25° 45'	80° 11'	101989	ATTON BRICKELL HOTEL	FDEP	Class V Non-ASR	-	113	100	Biscayne	9/25/2014
8726	25° 50'	80° 10'	101544	OASIS ON THE BAY	FDEP	Class V Non-ASR	-	113	90	Biscayne	4/15/2014
8727	25° 50'	80° 10'	101544	OASIS ON THE BAY	FDEP	Class V Non-ASR	-	113	94	Biscayne	2/26/2014
8728	25° 50'	80° 10'	101544	OASIS ON THE BAY	FDEP	Class V Non-ASR	-	113	94	Biscayne	2/18/2014
8729	25° 45'	80° 11'	102300	SOLITAIR BRICKELL	FDEP	Class V Non-ASR	-	113	78	Biscayne	6/25/2015
8730	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	113	60	Biscayne	11/15/2009
8731	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	113	60	Biscayne	10/22/2009
8732	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	113	60	Biscayne	11/23/2009
8733	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	113	60	Biscayne	11/17/2009
8734	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	113	91	Biscayne	10/27/2010
8735	25° 48'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	113	98	Biscayne	2/16/2010
8736	25° 45'	80° 11'	98809	BRICKELL HOTEL GROUP - HAMPTON INN	FDEP	Class V Non-ASR	-	113	90	Biscayne	5/13/2010
8737	25° 45'	80° 11'	101841	LE PARC AT BRICKELL	FDEP	Class V Non-ASR	-	113	100	Biscayne	10/1/2014
8738	25° 48'	80° 11'	101725	26 PLAZA AT NE 25 STREET	FDEP	Class V Non-ASR	-	113	95	Biscayne	5/29/2014
8739	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	113	78	Biscayne	11/1/2013
8740	25° 45'	80° 11'	101718	BROADSTONE BRICKELL LOFTS	FDEP	Class V Non-ASR	-	113	92	Biscayne	5/22/2014
8741	25° 45'	80° 11'	101718	BROADSTONE BRICKELL LOFTS	FDEP	Class V Non-ASR	-	113	92	Biscayne	5/13/2014
8742	25° 45'	80° 11'	101718	BROADSTONE BRICKELL LOFTS	FDEP	Class V Non-ASR	-	113	93	Biscayne	5/5/2014
8743	25° 46'	80° 11'	56494	CITY OF MIAMI B-4521 DTW IMP-PHASE II	FDEP	Class V Non-ASR	-	113	80	Biscayne	2/13/1992
8744	25° 45'	80° 11'	57464	BRICKELL STATION TOWER	FDEP	Class V Non-ASR	-	113	97	Biscayne	11/11/1987
8745	25° 45'	80° 8'	58140	FISHER ISLAND OCEANSIDE BLDGS. 3&4	FDEP	Class V Non-ASR	-	113	81	Biscayne	7/10/1990
8746	25° 45'	80° 8'	58202	FISHER ISLAND BAYVIEW BLDG. 9	FDEP	Class V Non-ASR	-	113	95	Biscayne	12/26/1990
8747	25° 46'	80° 8'	58223	SOUTH POINTE ELEMENTARY	FDEP	Class V Non-ASR	-	113	73	Biscayne	9/19/1990
8748	25° 46'	80° 8'	58223	SOUTH POINTE ELEMENTARY	FDEP	Class V Non-ASR	-	113	72	Biscayne	11/13/1990
8749	25° 46'	80° 8'	58223	SOUTH POINTE ELEMENTARY	FDEP	Class V Non-ASR	-	113	71	Biscayne	11/13/1990
8750	25° 51'	80° 8'	57123	CALAIS DRIVE	FDEP	Class V Non-ASR	-	113	84	Biscayne	10/24/1998
8751	25° 51'	80° 8'	57123	CALAIS DRIVE	FDEP	Class V Non-ASR	-	113	103	Biscayne	9/4/1998
8752	25° 47'	80° 11'	58455	MIAMI HERALD TEMPORARY PARKING	FDEP	Class V Non-ASR	-	113	93	Biscayne	2/25/1991
8753	25° 47'	80° 8'	57090	LINCOLN DISTRICT IMPROVEMENTS	FDEP	Class V Non-ASR	-	113	50	Biscayne	10/2/1995
8754	25° 48'	80° 7'	58726	KING DAVID TOWERS	FDEP	Class V Non-ASR	-	113	91	Biscayne	10/31/1991
8755	25° 45'	80° 11'	59469	SANTA MARIA	FDEP	Class V Non-ASR	-	113	90	Biscayne	1/24/1995
8756	25° 44'	80° 15'	60292	GABLES INTERNATIONAL PLAZA	FDEP	Class V Non-ASR	-	113	83	Biscayne	11/21/1980
8757	25° 44'	80° 14'	60116	GROVE PROFESSIONAL BUILDING	FDEP	Class V Non-ASR	-	113	101	Biscayne	2/14/1984
8758	25° 48'	80° 14'	63481	HOWARD JOHNSON	FDEP	Class V Non-ASR	-	113	106	Biscayne	7/9/1984
8759	25° 53'	80° 9'	63633	SEGAL, JACK	FDEP	Class V Non-ASR	-	113	105	Biscayne	7/19/1984
8760	25° 47'	80° 14'	62923	GOODWILL IND. OF SOUTH FLORIDA	FDEP	Class V Non-ASR	-	113	108	Biscayne	11/19/1984
8761	25° 46'	80° 11'	65321	BAYFRONT PARK REDEVLOPMENT (PH# 11)	FDEP	Class V Non-ASR	-	113	63	Biscayne	4/14/1986
8762	25° 50'	80° 8'	65329	BAYWALK PLAZA	FDEP	Class V Non-ASR	-	113	86	Biscayne	4/30/1986
8763	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	113	66	Biscayne	3/1/1995
8764	25° 45'	80° 11'	84580	FOUR SEASONS HOTEL & TOWER	FDEP	Class V Non-ASR	-	113	40	Biscayne	12/14/1999
8765	25° 45'	80° 11'	84580	FOUR SEASONS HOTEL & TOWER	FDEP	Class V Non-ASR	-	113	37	Biscayne	12/22/1999
8766	25° 46'	80° 8'	86666	SOUTH POINTE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	113	73	Biscayne	8/19/2002
8767	25° 46'	80° 8'	86666	SOUTH POINTE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	113	69	Biscayne	8/1/2002
8768	25° 46'	80° 8'	86666	SOUTH POINTE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	113	65	Biscayne	1/25/2001
8769	25° 45'	80° 7'	85435	CONTINUUM ON SOUTH BEACH	FDEP	Class V Non-ASR	-	113	93	Biscayne	6/2/2000
8770	25° 47'	80° 11'	90216	NEW BODY SHOP/PARKING STRUCTURE	FDEP	Class V Non-ASR	-	113	90	Biscayne	1/27/2003
8771	25° 47'	80° 11'	88494	MIAMI-DADE COUNTY PERFORMING ARTS CENTER	FDEP	Class V Non-ASR	-	113	91	Biscayne	2/5/2002
8772	25° 47'	80° 11'	88494	MIAMI-DADE COUNTY PERFORMING ARTS CENTER	FDEP	Class V Non-ASR	-	113	91	Biscayne	1/5/2002
8773	25° 45'	80° 11'	90034	MARY BRICKELL VILLAGE	FDEP	Class V Non-ASR	-	113	92	Biscayne	3/11/2003
8774	25° 46'	80° 11'	93723	RIVER FRONT	FDEP	Class V Non-ASR	-	113	80	Biscayne	6/16/2006
8775	25° 45'	80° 11'	93163	AVENUE A CONDOMINIUM AT 1060 BRICKELL	FDEP	Class V Non-ASR	-	113	90	Biscayne	8/11/2005
8776	25° 48'	80° 7'	91692	FIRE STATION # 2	FDEP	Class V Non-ASR	-	113	98	Biscayne	5/6/2004
8777	25° 51'	80° 7'	92476	CARILLON HOTEL	FDEP	Class V Non-ASR	-	113	95	Biscayne	12/8/2006
8778	25° 47'	80° 11'	92545	QUANTUM ON THE BAY	FDEP	Class V Non-ASR	-	113	98	Biscayne	12/21/2004
8779	25° 47'	80° 11'	92545	QUANTUM ON THE BAY	FDEP	Class V Non-ASR	-	113	99	Biscayne	12/2/2004
8780	25° 45'	80° 11'	94481	INFINITY AT BRICKELL	FDEP	Class V Non-ASR	-	113	100	Biscayne	2/6/2007
8781	25° 47'	80° 11'	94742	BRAMAN MOTORS LOT 1	FDEP	Class V Non-ASR	-	113	103	Biscayne	9/20/2007
8782	25° 45'	80° 11'	102685	BRICKELL FLATIRON	FDEP	Class V Non-ASR	-	113	86	Biscayne	4/13/2016
8783	25° 45'	80° 11'	102385	BROADSTONE AT BRICKELL	FDEP	Class V Non-ASR	-	113	100	Biscayne	6/16/2015
8784	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	114	100	Biscayne	8/5/2015
8785	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	114	60	Biscayne	7/29/2009
8786	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	114	60	Biscayne	12/23/2009
8787	25° 48'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	114	100	Biscayne	10/6/2009
8788	25° 45'	80° 11'	98809	BRICKELL HOTEL GROUP - HAMPTON INN	FDEP	Class V Non-ASR	-	114	91	Biscayne	5/11/2010
8789	25° 44'	80° 14'	101565	GIBRALTAR RESIDENTIAL OFFICES	FDEP	Class V Non-ASR	-	114	100	Biscayne	1/17/2014
8790	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	114	78	Biscayne	11/16/2013
8791	25° 45'	80° 11'	101909	ECHO BRICKELL	FDEP	Class V Non-ASR	-	114	90	Biscayne	5/7/2015
8792	25° 45'	80° 11'	101909	ECHO BRICKELL	FDEP	Class V Non-ASR	-	114	90	Biscayne	5/2/2015
8793	25° 45'	80° 11'	101909	ECHO BRICKELL	FDEP	Class V Non-ASR	-	114	92	Biscayne	4/21/2015
8794	25° 45'	80° 11'	102251	1010 BRICKELL	FDEP	Class V Non-ASR	-	114	84	Biscayne	11/10/2015
8795	25° 54'	80° 8'	56575	DADE CO 662251 NE 151 ST. TO FIU	FDEP	Class V Non-ASR	-	114	90	Biscayne	7/12/1995
8796	25° 45'	80° 8'	58130	FISHER ISLAND BLDG #10-BAYVIEW	FDEP	Class V Non-ASR	-	114	95	Biscayne	7/24/1990
8797	25° 45'	80° 8'	58140	FISHER ISLAND OCEANSIDE BLDGS. 3&4	FDEP	Class V Non-ASR	-	114	81	Biscayne	9/13/1990
8798	25° 45'	80° 8'	58140	FISHER ISLAND OCEANSIDE BLDGS. 3&4	FDEP	Class V Non-ASR	-	114	85	Biscayne	8/28/1990
8799	25° 44'	80° 13'	57538	BAYSHORE VILLAS	FDEP	Class V Non-ASR	-	114	67	Biscayne	6/29/1988
8800	25° 44'	80° 13'	58309	TREASURE TROVE PROPERTIES	FDEP	Class V Non-ASR	-	114	7	Biscayne	10/18/1990
8801	25° 54'	80° 9'	59114	COSTCO - NORTH MIAMI BEACH	FDEP	Class V Non-ASR	-	114	7	Biscayne	12/3/1992
8802	25° 46'	80° 10'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	114	72	Biscayne	9/19/2014
8803	25° 46'	80° 10'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	114	73	Biscayne	9/16/2014
8804	25° 45'	80° 13'	57125	TOWER THEATER	FDEP	Class V Non-ASR	-	114	92	Biscayne	1/25/1999
8805	25° 53'	80° 9'	57845	SHOPS OF ARCH CREEK	FDEP	Class V Non-ASR	-	114	70	Biscayne	5/5/1989
8806	25° 48'	80° 7'	57965	WATER VIEW APARTMENTS, INC.	FDEP	Class V Non-ASR	-	114	108	Biscayne	1/15/1990
8807	25° 45'	80° 11'	59469	SANTA MARIA	FDEP	Class V Non-ASR	-	114	94	Biscayne	1/24/1995
8808	25° 43'	80° 14'	60206	GROVE AT GRAND BAY CONDOMINIUMS	FDEP	Class V Non-ASR	-	114	76	Biscayne	4/2/1982
8809	25° 50'	80° 11'	60981	COBB'S FRUIT & PRESERVES	FDEP	Class V Non-ASR	-	114	0	Biscayne	8/23/1984
8810	25° 49'	80° 7'	60285	IMPERIAL HOUSE CONDOMINIUM	FDEP	Class V Non-ASR	-	114	102	Biscayne	12/28/1979
8811	25° 45'	80° 11'	60287	ONE BRICKELL SQUARE	FDEP	Class V Non-ASR	-	114	97	Biscayne	2/19/1985
8812	25° 43'	80° 15'	61811	VARNEY SCALE MODELS	FDEP	Class V Non-ASR	-	114	98	Biscayne	5/1/1957
8813	25° 54'	80° 11'	60435	ALLOCCA, ADELAIDE K.	FDEP	Class V Non-ASR	-	114	100	Biscayne	7/20/1984

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Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
8814	25° 50'	80° 11'	60569	ARKIN CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	114	95	Biscayne	7/31/1984
8815	25° 47'	80° 11'	59968	BRAMAN AUTOMOTIVE SHOWROOM FACILITY FKA BRAMAN CADILLAC	FDEP	Class V Non-ASR	-	114	98	Biscayne	10/2/1997
8816	25° 47'	80° 11'	59968	BRAMAN AUTOMOTIVE SHOWROOM FACILITY FKA BRAMAN CADILLAC	FDEP	Class V Non-ASR	-	114	95	Biscayne	9/23/1997
8817	25° 45'	80° 11'	60117	EQUITABLE LIFE ASSURANCE SOCIETY	FDEP	Class V Non-ASR	-	114	97	Biscayne	9/24/1984
8818	25° 44'	80° 14'	60118	GROVE FOREST PLAZA OFFICE BLDG.	FDEP	Class V Non-ASR	-	114	99	Biscayne	7/16/1985
8819	25° 46'	80° 11'	60136	MIAMI CENTER	FDEP	Class V Non-ASR	-	114	93	Biscayne	12/31/1981
8820	25° 47'	80° 7'	64201	MAXINE HOTEL	FDEP	Class V Non-ASR	-	114	110	Biscayne	10/16/1984
8821	25° 43'	80° 15'	64244	MIA. COCA-COLA BOTT. CO.	FDEP	Class V Non-ASR	-	114	98	Biscayne	10/22/1984
8822	25° 46'	80° 16'	63522	LICHTER, IRA AND DREVICH, A.	FDEP	Class V Non-ASR	-	114	102	Biscayne	7/9/1984
8823	25° 45'	80° 12'	63569	JONES, J.G.	FDEP	Class V Non-ASR	-	114	0	Biscayne	7/11/1984
8824	25° 51'	80° 11'	62933	STONE, H.W.	FDEP	Class V Non-ASR	-	114	107	Biscayne	11/19/1984
8825	25° 46'	80° 11'	65401	FDOT 87000-3687 PORT OF MIAMI BRIDGE	FDEP	Class V Non-ASR	-	114	86	Biscayne	11/17/1988
8826	25° 46'	80° 11'	65401	FDOT 87000-3687 PORT OF MIAMI BRIDGE	FDEP	Class V Non-ASR	-	114	96	Biscayne	11/15/1988
8827	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	114	49	Biscayne	3/1/1995
8828	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	114	51	Biscayne	3/1/1995
8829	25° 47'	80° 11'	65458	FDOT-MACARTHUR CWSY.BR-87060-3549	FDEP	Class V Non-ASR	-	114	89	Biscayne	7/19/1995
8830	25° 47'	80° 12'	63139	JACKSON MEMORIAL HOSPITAL	FDEP	Class V Non-ASR	-	114	90	Biscayne	12/27/1984
8831	25° 50'	80° 11'	64070	LUCAS, LUCAS A.	FDEP	Class V Non-ASR	-	114	91	Biscayne	10/4/1984
8832	25° 46'	80° 8'	86666	SOUTH POINTE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	114	60	Biscayne	1/12/2001
8833	25° 45'	80° 13'	89403	MARBELLA APARTMENTS	FDEP	Class V Non-ASR	-	114	89	Biscayne	11/6/2002
8834	25° 45'	80° 11'	89456	BRICKELL BAY VILLAGE APTS.	FDEP	Class V Non-ASR	-	114	93	Biscayne	7/22/2002
8835	25° 44'	80° 15'	90372	ST GEORGE ANTIOCHIAN CHURCH	FDEP	Class V Non-ASR	-	114	94	Biscayne	1/29/2003
8836	25° 46'	80° 7'	89728	BENTLEY BEACH HOTEL	FDEP	Class V Non-ASR	-	114	88	Biscayne	8/27/2002
8837	25° 46'	80° 11'	93191	LOFTS II	FDEP	Class V Non-ASR	-	114	98	Biscayne	5/24/2006
8838	25° 48'	80° 11'	93230	BISCAYNE PARK	FDEP	Class V Non-ASR	-	114	97	Biscayne	2/11/2011
8839	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	114	92	Biscayne	12/8/2005
8840	25° 46'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	114	94	Biscayne	9/13/2006
8841	25° 45'	80° 11'	94461	HABITAT I	FDEP	Class V Non-ASR	-	114	100	Biscayne	11/30/2006
8842	25° 43'	80° 15'	94527	MERRICK VIEW	FDEP	Class V Non-ASR	-	114	79	Biscayne	1/17/2007
8843	25° 42'	80° 15'	94900	BATTERSEA ROAD DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	114	73	Biscayne	2/4/2008
8844	25° 45	80° 11'	102685	BRICKELL FLATIRON	FDEP	Class V Non-ASR	-	114	87	Biscayne	4/5/2016
8845	25° 45'	80° 11'	106114	888 BRICKELL PLAZA	FDEP	Class V Non-ASR	-	114	91	Biscayne	12/5/2019
8846	25° 45'	80° 11'	101989	ATTON BRICKELL HOTEL	FDEP	Class V Non-ASR	-	115	100	Biscayne	9/8/2014
8847	25° 46'	80° 12'	98638	MADISON VIEW TWO	FDEP	Class V Non-ASR	-	115	98	Biscayne	4/8/2010
8848	25° 55'	80° 9'	100944	BISCAYNE OFFICE VILLAGE	FDEP	Class V Non-ASR	-	115	87	Biscayne	3/13/2014
8849	25° 55'	80° 9'	100944	BISCAYNE OFFICE VILLAGE	FDEP	Class V Non-ASR	-	115	88	Biscayne	5/20/2015
8850	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	115	60	Biscayne	8/6/2009
8851	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	115	60	Biscayne	10/15/2009
8852	25° 48'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	115	100	Biscayne	9/29/2009
8853	25° 48'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	115	98	Biscayne	1/12/2011
8854	25° 43'	80° 13'	100167	GROVE MARINA MARKET	FDEP	Class V Non-ASR	-	115	71	Biscayne	6/27/1988
8855	25° 45'	80° 11'	101489	PANORAMA TOWER AT 1101 BRICKELL	FDEP	Class V Non-ASR	-	115	94	Biscayne	10/1/2014
8856	25° 52'	80° 7'	101769	SURF CLUB (SC TRUST LLC)	FDEP	Class V Non-ASR	-	115	88	Biscayne	4/5/2014
8857	25° 52'	80° 7'	101769	SURF CLUB (SC TRUST LLC)	FDEP	Class V Non-ASR	-	115	85	Biscayne	4/2/2014
8858	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	115	78	Biscayne	11/8/2013
8859	25° 48'	80° 7'	101197	ATLANTIC HOTELS	FDEP	Class V Non-ASR	-	115	90	Biscayne	3/18/2015
8860	25° 48'	80° 7'	101197	ATLANTIC HOTELS	FDEP	Class V Non-ASR	-	115	90	Biscayne	3/18/2015
8861	25° 45'	80° 11'	91109	TUSCANY GARDENS	FDEP	Class V Non-ASR	-	115	88	Biscayne	8/20/2003
8862	25° 49'	80° 11'	56477	CITY OF MIAMI, PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	115	80	Biscayne	9/5/1991
8863	25° 46'	80° 11'	56494	CITY OF MIAMI B-4521 DTW IMP-PHASE II	FDEP	Class V Non-ASR	-	115	97	Biscayne	11/25/1991
8864	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	115	71	Biscayne	10/8/1993
8865	25° 54'	80° 9'	56575	DADE CO 662251 NE 151 ST. TO FIU	FDEP	Class V Non-ASR	-	115	85	Biscayne	7/12/1995
8866	25° 43'	80° 13'	57526	MONTY TRAINOR'S	FDEP	Class V Non-ASR	-	115	71	Biscayne	6/27/1988
8867	25° 53'	80° 7'	59004	THE SHUL	FDEP	Class V Non-ASR	-	115	85	Biscayne	11/15/2017
8868	25° 53'	80° 7'	59004	THE SHUL	FDEP	Class V Non-ASR	-	115	85	Biscayne	11/15/2017
8869	25° 53'	80° 7'	59004	THE SHUL	FDEP	Class V Non-ASR	-	115	85	Biscayne	10/16/2017
8870	25° 46'	80° 10'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	115	83	Biscayne	7/20/2011
8871	25° 44'	80° 15'	58429	ROYAL PALM CITY ICE	FDEP	Class V Non-ASR	-	115	80	Biscayne	5/1/1997
8872	25° 47'	80° 7'	57120	16TH STREET IMPROVEMENT	FDEP	Class V Non-ASR	-	115	86	Biscayne	5/22/1998
8873	25° 43'	80° 14'	57770	THE SHOPPES IN THE GROVE	FDEP	Class V Non-ASR	-	115	79	Biscayne	12/5/1988
8874	25° 46'	80° 11'	59202	GALERIA INTERNACIONAL PHASE III	FDEP	Class V Non-ASR	-	115	47	Biscayne	5/24/1993
8875	25° 53'	80° 9'	57845	SHOPS OF ARCH CREEK	FDEP	Class V Non-ASR	-	115	66	Biscayne	5/24/1989
8876	25° 48'	80° 7'	58726	KING DAVID TOWERS	FDEP	Class V Non-ASR	-	115	91	Biscayne	10/31/1991
8877	25° 45'	80° 11'	59469	SANTA MARIA	FDEP	Class V Non-ASR	-	115	97	Biscayne	1/24/1995
8878	25° 46'	80° 11'	60196	CAP BON INVESTMENT N.V.	FDEP	Class V Non-ASR	-	115	97	Biscayne	5/18/1982
8879	25° 47'	80° 11'	60244	PLAZA VENETIA PHASE 2	FDEP	Class V Non-ASR	-	115	95	Biscayne	12/29/1982
8880	25° 52'	80° 7'	59645	MIRAGE ON THE OCEAN	FDEP	Class V Non-ASR	-	115	100	Biscayne	1/13/1982
8881	25° 53'	80° 7'	59703	BAY HARBOR ELEMENTARY	FDEP	Class V Non-ASR	-	115	88	Biscayne	6/29/2008
8882	25° 50'	80° 7'	60570	ARLEN OPERATING CO.	FDEP	Class V Non-ASR	-	115	112	Biscayne	7/31/1984
8883	25° 44'	80° 14'	60586	ART-CEMENT MANUFACTURING COMPANY	FDEP	Class V Non-ASR	-	115	101	Biscayne	12/4/2018
8884	25° 46'	80° 11'	61523	SO. BELL TELEPHONE CO.	FDEP	Class V Non-ASR	-	115	105	Biscayne	7/20/1984
8885	25° 52'	80° 7'	60047	SURFSIDE PALMS CONDOMINIUM	FDEP	Class V Non-ASR	-	115	87	Biscayne	4/14/1999
8886	25° 47'	80° 11'	60184	MARRIOTT HOTEL PLAZA	FDEP	Class V Non-ASR	-	115	97	Biscayne	2/19/1982
8887	25° 52'	80° 7'	60193	GOLDLIST, ISADORE	FDEP	Class V Non-ASR	-	115	100	Biscayne	1/13/1982
8888	25° 45'	80° 11'	63350	VILLA REGINA	FDEP	Class V Non-ASR	-	115	104	Biscayne	1/15/1985
8889	25° 48'	80° 12'	64243	MIA. COCA-COLA BOTTLING COMPANY	FDEP	Class V Non-ASR	-	115	106	Biscayne	10/22/1984
8890	25° 46'	80° 11'	63611	J.Y. GOOCH CO.	FDEP	Class V Non-ASR	-	115	101	Biscayne	7/13/1984
8891	25° 46'	80° 11'	65402	I-95 DOWNTOWN DISTRIBOR, EAST EXTENSION	FDEP	Class V Non-ASR	-	115	60	Biscayne	11/19/1985
8892	25° 46'	80° 11'	65402	I-95 DOWNTOWN DISTRIBOR, EAST EXTENSION	FDEP	Class V Non-ASR	-	115	60	Biscayne	11/19/1985
8893	25° 46'	80° 11'	65402	I-95 DOWNTOWN DISTRIBOR, EAST EXTENSION	FDEP	Class V Non-ASR	-	115	60	Biscayne	11/19/1985
8894	25° 46'	80° 11'	65402	I-95 DOWNTOWN DISTRIBOR, EAST EXTENSION	FDEP	Class V Non-ASR	-	115	60	Biscayne	11/19/1985
8895	25° 46'	80° 11'	65402	I-95 DOWNTOWN DISTRIBOR, EAST EXTENSION	FDEP	Class V Non-ASR	-	115	60	Biscayne	11/19/1985
8896	25° 46'	80° 11'	65402	I-95 DOWNTOWN DISTRIBOR, EAST EXTENSION	FDEP	Class V Non-ASR	-	115	60	Biscayne	11/19/1985
8897	25° 46'	80° 11'	65402	I-95 DOWNTOWN DISTRIBOR, EAST EXTENSION	FDEP	Class V Non-ASR	-	115	60	Biscayne	11/19/1985
8898	25° 46'	80° 11'	65402	I-95 DOWNTOWN DISTRIBOR, EAST EXTENSION	FDEP	Class V Non-ASR	-	115	60	Biscayne	11/19/1985
8899	25° 46'	80° 11'	65402	I-95 DOWNTOWN DISTRIBOR, EAST EXTENSION	FDEP	Class V Non-ASR	-	115	60	Biscayne	11/19/1985
8900	25° 46'	80° 11'	65402	I-95 DOWNTOWN DISTRIBOR, EAST EXTENSION	FDEP	Class V Non-ASR	-	115	60	Biscayne	11/19/1985
8901	25° 46'	80° 11'	65402	I-95 DOWNTOWN DISTRIBOR, EAST EXTENSION	FDEP	Class V Non-ASR	-	115	60	Biscayne	11/19/1985
8902	25° 46'	80° 11'	65402	I-95 DOWNTOWN DISTRIBOR, EAST EXTENSION	FDEP	Class V Non-ASR	-	115	60	Biscayne	11/19/1985

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
8903	25° 46'	80° 9'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	115	62	Biscayne	5/14/1993
8904	25° 46'	80° 8'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	115	82	Biscayne	5/14/1993
8905	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	115	70	Biscayne	3/1/1995
8906	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	115	65	Biscayne	3/1/1995
8907	25° 47'	80° 11'	65458	FDOT-MACARTHUR CWSY.BR-87060-3549	FDEP	Class V Non-ASR	-	115	93	Biscayne	7/19/1995
8908	25° 47'	80° 12'	63139	JACKSON MEMORIAL HOSPITAL	FDEP	Class V Non-ASR	-	115	89	Biscayne	12/27/1984
8909	25° 45'	80° 11'	63317	THE PALACE CONDOMINIUM ASSOC.	FDEP	Class V Non-ASR	-	115	85	Biscayne	9/7/2010
8910	25° 47'	80° 11'	85135	UTD HEADQUARTERS	FDEP	Class V Non-ASR	-	115	88	Biscayne	3/14/2000
8911	25° 46'	80° 13'	85178	STATE ROAD 836	FDEP	Class V Non-ASR	-	115	105	Biscayne	1/12/2001
8912	25° 46'	80° 11'	84475	SW 2ND AVE. BRIDGE REPLACEMENT	FDEP	Class V Non-ASR	-	115	107	Biscayne	7/31/2002
8913	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	115	80	Biscayne	10/11/1999
8914	25° 47'	80° 12'	84223	MEDICAL CAMPUS STUDENT PARKING LOT	FDEP	Class V Non-ASR	-	115	105	Biscayne	8/23/2018
8915	25° 46'	80° 8'	86666	SOUTH POINTE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	115	67	Biscayne	8/7/2002
8916	25° 45'	80° 11'	86826	SUMMIT BRICKELL	FDEP	Class V Non-ASR	-	115	91	Biscayne	12/22/2000
8917	25° 45'	80° 11'	86826	SUMMIT BRICKELL	FDEP	Class V Non-ASR	-	115	96	Biscayne	1/17/2001
8918	25° 45'	80° 11'	86826	SUMMIT BRICKELL	FDEP	Class V Non-ASR	-	115	98	Biscayne	1/25/2001
8919	25° 45'	80° 8'	85435	CONTINUUM ON SOUTH BEACH	FDEP	Class V Non-ASR	-	115	68	Biscayne	5/11/2000
8920	25° 48'	80° 11'	92250	YORKER	FDEP	Class V Non-ASR	-	115	97	Biscayne	11/11/2004
8921	25° 55'	80° 9'	92275	AVANTI CENTER	FDEP	Class V Non-ASR	-	115	93	Biscayne	8/30/2004
8922	25° 46'	80° 11'	91969	BRICKELL TENNIS CLUB NOW BRICKELL CITYCENTRE	FDEP	Class V Non-ASR	-	115	91	Biscayne	6/14/2004
8923	25° 46'	80° 11'	91969	BRICKELL TENNIS CLUB NOW BRICKELL CITYCENTRE	FDEP	Class V Non-ASR	-	115	89	Biscayne	5/28/2004
8924	25° 49'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	115	95	Biscayne	4/21/2006
8925	25° 49'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	115	98	Biscayne	4/13/2006
8926	25° 49'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	115	97	Biscayne	4/6/2006
8927	25° 49'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	115	102	Biscayne	3/21/2006
8928	25° 49'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	115	98	Biscayne	3/13/2006
8929	25° 49'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	115	103	Biscayne	3/6/2006
8930	25° 49'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	115	98	Biscayne	2/17/2006
8931	25° 49'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	115	101	Biscayne	2/24/2006
8932	25° 50'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	115	100	Biscayne	2/1/2006
8933	25° 50'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	115	100	Biscayne	1/20/2006
8934	25° 50'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	115	100	Biscayne	2/8/2006
8935	25° 50'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	115	100	Biscayne	1/16/2006
8936	25° 46'	80° 9'	92003	PORT OF MIAMI	FDEP	Class V Non-ASR	-	115	70	Biscayne	12/29/2004
8937	25° 46'	80° 7'	92107	BON AIR	FDEP	Class V Non-ASR	-	115	99	Biscayne	7/14/2004
8938	25° 45'	80° 12'	92826	BRICKELL VISTA CONDO	FDEP	Class V Non-ASR	-	115	86	Biscayne	5/11/2005
8939	25° 44'	80° 15'	92854	EMERALD PLAZA CONDOMINIUM	FDEP	Class V Non-ASR	-	115	102	Biscayne	4/12/2006
8940	25° 47'	80° 7'	95526	RONEY ASSOCIATES	FDEP	Class V Non-ASR	-	115	94	Biscayne	8/15/2001
8941	25° 45'	80° 11'	94481	INFINITY AT BRICKELL	FDEP	Class V Non-ASR	-	115	100	Biscayne	3/15/2007
8942	25° 47'	80° 8'	94024	VENETIAN ISLAND NEIGHBORHOOD 13 BELLE ISLE	FDEP	Class V Non-ASR	-	115	97	Biscayne	10/11/2006
8943	25° 45'	80° 11'	95059	ONE PLAZA	FDEP	Class V Non-ASR	-	115	110	Biscayne	11/20/2008
8944	25° 45'	80° 11'	102685	BRICKELL FLATIRON	FDEP	Class V Non-ASR	-	115	86	Biscayne	4/28/2016
8945	25° 45'	80° 11'	102685	BRICKELL FLATIRON	FDEP	Class V Non-ASR	-	115	87	Biscayne	4/8/2016
8946	25° 45'	80° 11'	102685	BRICKELL FLATIRON	FDEP	Class V Non-ASR	-	115	88	Biscayne	3/29/2016
8947	25° 45'	80° 11'	105938	THE UNDERLINE PHASE 1	FDEP	Class V Non-ASR	-	115	90	Biscayne	12/11/2019
8948	25° 45'	80° 11'	105825	CITIZEN M HOTEL - BRICKELL	FDEP	Class V Non-ASR	-	115	105	Biscayne	1/24/2019
8949	25° 51'	80° 7'	102989	L'ATELIER CONDOMINIUMS	FDEP	Class V Non-ASR	-	115	96	Biscayne	9/26/2016
8950	25° 45'	80° 11'	104733	ZOM BRICKELL MAIZON	FDEP	Class V Non-ASR	-	115	95	Biscayne	11/7/2017
8951	25° 52'	80° 7'	103280	8955 COLLINS	FDEP	Class V Non-ASR	-	115	96	Biscayne	6/19/2017
8952	25° 52'	80° 7'	103280	8955 COLLINS	FDEP	Class V Non-ASR	-	115	95	Biscayne	6/23/2017
8953	25° 52'	80° 7'	103280	8955 COLLINS	FDEP	Class V Non-ASR	-	115	90	Biscayne	11/28/2017
8954	25° 44'	80° 16'	104342	ANTHONY F. MACINA - THE NEW BILTMORE	FDEP	Class V Non-ASR	-	115	100	Biscayne	1/1/1970
8955	25° 52'	80° 7'	101759	CHATEAU OCEAN	FDEP	Class V Non-ASR	-	116	90	Biscayne	1/1/1970
8956	25° 46'	80° 12'	98639	MADISON VIEW THREE	FDEP	Class V Non-ASR	-	116	97	Biscayne	3/10/2010
8957	25° 47'	80° 9'	100469	CITY OF MIAMI - SAN MARCO ISLAND	FDEP	Class V Non-ASR	-	116	76	Biscayne	5/30/2012
8958	25° 41'	80° 15'	99702	HILDA M. BACARDI	FDEP	Class V Non-ASR	-	116	70	Biscayne	10/17/2011
8959	25° 41'	80° 15'	99702	HILDA M. BACARDI	FDEP	Class V Non-ASR	-	116	70	Biscayne	10/10/2011
8960	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	116	60	Biscayne	10/28/2009
8961	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	116	60	Biscayne	9/2/2009
8962	25° 48'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	116	100	Biscayne	2/11/2010
8963	25° 48'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	116	100	Biscayne	11/24/2009
8964	25° 48'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	116	100	Biscayne	11/2/2009
8965	25° 48'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	116	100	Biscayne	10/26/2009
8966	25° 48'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	116	100	Biscayne	10/9/2009
8967	25° 48'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	116	100	Biscayne	11/16/2009
8968	25° 48'	80° 11'	101696	CRIMSON TOWER	FDEP	Class V Non-ASR	-	116	93	Biscayne	2/10/2016
8969	25° 45'	80° 11'	101676	SLS	FDEP	Class V Non-ASR	-	116	98	Biscayne	5/1/2014
8970	25° 47'	80° 10'	98805	FDOT PORT OF MIAMI TUNNEL	FDEP	Class V Non-ASR	-	116	77	Biscayne	8/5/2014
8971	25° 43'	80° 13'	100167	GROVE MARINA MARKET	FDEP	Class V Non-ASR	-	116	72	Biscayne	6/24/1988
8972	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	116	94	Biscayne	12/20/2010
8973	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	116	77	Biscayne	6/13/2019
8974	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	116	77	Biscayne	6/24/2019
8975	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	116	77	Biscayne	6/24/2019
8976	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	116	77	Biscayne	7/1/2019
8977	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	116	77	Biscayne	6/13/2019
8978	25° 48'	80° 7'	99861	GALBUT FAMILY JEWISH COMMUNITY CENTER	FDEP	Class V Non-ASR	-	116	86	Biscayne	11/14/2011
8979	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	116	78	Biscayne	9/30/2013
8980	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	116	78	Biscayne	10/10/2013
8981	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	116	78	Biscayne	10/14/2013
8982	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	116	78	Biscayne	10/7/2013
8983	25° 45'	80° 11'	101909	ECHO BRICKELL	FDEP	Class V Non-ASR	-	116	90	Biscayne	4/16/2015
8984	25° 45'	80° 11'	102251	1010 BRICKELL	FDEP	Class V Non-ASR	-	116	88	Biscayne	11/12/2015
8985	25° 46'	80° 11'	56494	CITY OF MIAMI B-4521 DTW IMP-PHASE II	FDEP	Class V Non-ASR	-	116	87	Biscayne	4/28/1992
8986	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	116	72	Biscayne	10/8/1993
8987	25° 43'	80° 13'	57526	MONTY TRAINOR'S	FDEP	Class V Non-ASR	-	116	72	Biscayne	6/24/1988
8988	25° 44'	80° 13'	57538	BAYSHORE VILLAS	FDEP	Class V Non-ASR	-	116	63	Biscayne	6/23/1988
8989	25° 46'	80° 11'	56956	METROPOLITAN DETENTION CENTER	FDEP	Class V Non-ASR	-	116	88	Biscayne	9/8/1992
8990	25° 48'	80° 8'	59009	MOUNT SINAI MEDICAL PARKING LOT	FDEP	Class V Non-ASR	-	116	76	Biscayne	4/20/2017
8991	25° 46'	80° 10'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	116	86	Biscayne	7/18/2012

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
8992	25° 46'	80° 10'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	116	76	Biscayne	11/30/2011
8993	25° 46'	80° 9'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	116	76	Biscayne	10/27/2011
8994	25° 46'	80° 10'	57047	PORT OF MIAMI OFFICE BUILDING	FDEP	Class V Non-ASR	-	116	84	Biscayne	6/27/2011
8995	25° 41'	80° 9'	57088	VILLAGE OF KEY BISCAYNE	FDEP	Class V Non-ASR	-	116	75	Biscayne	10/2/1995
8996	25° 45'	80° 11'	57926	VILLA REGINA	FDEP	Class V Non-ASR	-	116	80	Biscayne	8/17/1989
8997	25° 47'	80° 11'	57272	BRAMAN BMW	FDEP	Class V Non-ASR	-	116	105	Biscayne	5/5/1987
8998	25° 46'	80° 11'	60211	CITY OF MIAMI PARKS DEPT.	FDEP	Class V Non-ASR	-	116	96	Biscayne	8/17/1982
8999	25° 48'	80° 12'	60982	COCA-COLA BOTTLING/MIAMI	FDEP	Class V Non-ASR	-	116	106	Biscayne	9/6/1985
9000	25° 46'	80° 8'	60250	ALTON STAR CONDO.	FDEP	Class V Non-ASR	-	116	98	Biscayne	1/30/1986
9001	25° 48'	80° 15'	62662	PRODUCTION FACILITY	FDEP	Class V Non-ASR	-	116	97	Biscayne	8/15/1984
9002	25° 45'	80° 11'	60334	COURVOISIER CENTRE	FDEP	Class V Non-ASR	-	116	98	Biscayne	1/30/1986
9003	25° 45'	80° 13'	61570	SPEEDY WASHER MFG.	FDEP	Class V Non-ASR	-	116	106	Biscayne	7/20/1984
9004	25° 48'	80° 14'	63491	HOWEY HILL, INC.	FDEP	Class V Non-ASR	-	116	109	Biscayne	7/9/1984
9005	25° 45'	80° 11'	63317	THE PALACE CONDOMINIUM ASSOC.	FDEP	Class V Non-ASR	-	116	106	Biscayne	12/15/1980
9006	25° 47'	80° 11'	85135	UTD HEADQUARTERS	FDEP	Class V Non-ASR	-	116	80	Biscayne	3/17/2000
9007	25° 45'	80° 11'	86826	SUMMIT BRICKELL	FDEP	Class V Non-ASR	-	116	94	Biscayne	1/10/2001
9008	25° 45'	80° 11'	86826	SUMMIT BRICKELL	FDEP	Class V Non-ASR	-	116	91	Biscayne	12/15/2000
9009	25° 45'	80° 11'	86826	SUMMIT BRICKELL	FDEP	Class V Non-ASR	-	116	89	Biscayne	2/12/2001
9010	25° 47'	80° 11'	86287	THE MIAMI HERALD PARKING AREAS	FDEP	Class V Non-ASR	-	116	88	Biscayne	9/6/2000
9011	25° 45'	80° 11'	90034	MARY BRICKELL VILLAGE	FDEP	Class V Non-ASR	-	116	95	Biscayne	1/18/2010
9012	25° 45'	80° 11'	93163	AVENUE A CONDOMINIUM AT 1060 BRICKELL	FDEP	Class V Non-ASR	-	116	88	Biscayne	7/5/2005
9013	25° 46'	80° 11'	93191	LOFTS II	FDEP	Class V Non-ASR	-	116	102	Biscayne	5/6/2006
9014	25° 50'	80° 9'	93351	THE LEXI	FDEP	Class V Non-ASR	-	116	69	Biscayne	3/8/2007
9015	25° 50'	80° 8'	93351	THE LEXI	FDEP	Class V Non-ASR	-	116	70	Biscayne	3/3/2007
9016	25° 45'	80° 11'	91376	PARK PLACE AT BRICKELL	FDEP	Class V Non-ASR	-	116	97	Biscayne	10/20/2003
9017	25° 46'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	116	100	Biscayne	9/11/2006
9018	25° 46'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	116	100	Biscayne	9/23/2006
9019	25° 47'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	116	93	Biscayne	3/2/2006
9020	25° 45'	80° 12'	94809	BRICKELL WAY CONDOMINIUM	FDEP	Class V Non-ASR	-	116	94	Biscayne	2/27/2008
9021	25° 50'	80° 7'	95403	6261 COLLINS AVENUE	FDEP	Class V Non-ASR	-	116	98	Biscayne	12/8/1978
9022	25° 48'	80° 11'	94613	PALERMO CONDOMINIUM	FDEP	Class V Non-ASR	-	116	94	Biscayne	3/22/2007
9023	25° 47'	80° 13'	95390	WAGNER SQUARE	FDEP	Class V Non-ASR	-	116	98	Biscayne	10/7/2008
9024	25° 53'	80° 7'	95058	ST REGIS RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	116	80	Biscayne	6/9/2008
9025	25° 47'	80° 8'	105289	BELLA ISLA APARTMENTS	FDEP	Class V Non-ASR	-	116	96	Biscayne	6/8/2018
9026	25° 47'	80° 8'	105289	BELLA ISLA APARTMENTS	FDEP	Class V Non-ASR	-	116	89	Biscayne	6/8/2018
9027	25° 47'	80° 11'	104495	ELYSEE	FDEP	Class V Non-ASR	-	116	96	Biscayne	3/12/2018
9028	25° 45'	80° 11'	102685	BRICKELL FLATIRON	FDEP	Class V Non-ASR	-	116	86	Biscayne	4/19/2016
9029	25° 45'	80° 11'	105938	THE UNDERLINE PHASE 1	FDEP	Class V Non-ASR	-	116	96	Biscayne	12/7/2019
9030	25° 43'	80° 14'	103439	GROVE HOUSE	FDEP	Class V Non-ASR	-	116	96	Biscayne	5/24/2017
9031	25° 48'	80° 11'	103278	MODERA EDGEWATER TOWER	FDEP	Class V Non-ASR	-	116	76	Biscayne	7/25/2017
9032	25° 46'	80° 11'	106121	X BISCAYNE	FDEP	Class V Non-ASR	-	116	96	Biscayne	9/18/2019
9033	25° 46'	80° 11'	106121	X BISCAYNE	FDEP	Class V Non-ASR	-	116	96	Biscayne	9/18/2019
9034	25° 45'	80° 11'	104733	ZOM BRICKELL MAIZON	FDEP	Class V Non-ASR	-	116	95	Biscayne	11/7/2017
9035	25° 45'	80° 11'	104733	ZOM BRICKELL MAIZON	FDEP	Class V Non-ASR	-	116	96	Biscayne	11/8/2017
9036	25° 45'	80° 11'	104733	ZOM BRICKELL MAIZON	FDEP	Class V Non-ASR	-	116	96	Biscayne	11/6/2017
9037	25° 47'	80° 11'	105969	MODERA BISCAYNE BAY	FDEP	Class V Non-ASR	-	116	96	Biscayne	3/26/2019
9038	25° 47'	80° 11'	105969	MODERA BISCAYNE BAY	FDEP	Class V Non-ASR	-	116	96	Biscayne	3/26/2019
9039	25° 47'	80° 11'	105969	MODERA BISCAYNE BAY	FDEP	Class V Non-ASR	-	116	96	Biscayne	3/31/2019
9040	25° 47'	80° 11'	105969	MODERA BISCAYNE BAY	FDEP	Class V Non-ASR	-	116	96	Biscayne	3/28/2019
9041	25° 48'	80° 11'	103204	BISCAYNE 27	FDEP	Class V Non-ASR	-	116	96	Biscayne	5/24/2017
9042	25° 52'	80° 7'	103280	8955 COLLINS	FDEP	Class V Non-ASR	-	116	96	Biscayne	6/20/2017
9043	25° 48'	80° 12'	104347	MORRIS SALK - VENUS CORP.	FDEP	Class V Non-ASR	-	116	107	Biscayne	1/1/1970
9044	25° 47'	80° 14'	102720	CURTIS PARK	FDEP	Class V Non-ASR	-	116	85	Biscayne	8/20/2017
9045	25° 47'	80° 8'	98512	PENNSYLVANIA GARAGE	FDEP	Class V Non-ASR	-	117	72	Biscayne	9/17/2009
9046	25° 52'	80° 7'	101759	CHATEAU OCEAN	FDEP	Class V Non-ASR	-	117	90	Biscayne	5/1/2014
9047	25° 45'	80° 11'	101676	SLS	FDEP	Class V Non-ASR	-	117	98	Biscayne	5/9/2014
9048	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	117	84	Biscayne	2/23/2010
9049	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	117	77	Biscayne	7/16/2019
9050	25° 47'	80° 12'	102055	NW 7TH AVE NW 8TH ST TO NW 36TH AVE	FDEP	Class V Non-ASR	-	117	100	Biscayne	2/25/2016
9051	25° 45'	80° 11'	102251	1010 BRICKELL	FDEP	Class V Non-ASR	-	117	85	Biscayne	3/4/2015
9052	25° 54'	80° 9'	59114	COSTCO - NORTH MIAMI BEACH	FDEP	Class V Non-ASR	-	117	74	Biscayne	12/3/1992
9053	25° 46'	80° 11'	57039	FEDERAL LAW ENFORCEMENT BUILDING	FDEP	Class V Non-ASR	-	117	89	Biscayne	10/4/1991
9054	25° 47'	80° 11'	58455	MIAMI HERALD TEMPORARY PARKING	FDEP	Class V Non-ASR	-	117	89	Biscayne	2/25/1991
9055	25° 47'	80° 11'	58455	MIAMI HERALD TEMPORARY PARKING	FDEP	Class V Non-ASR	-	117	89	Biscayne	2/25/1991
9056	25° 53'	80° 9'	57845	SHOPS OF ARCH CREEK	FDEP	Class V Non-ASR	-	117	66	Biscayne	5/23/1989
9057	25° 43'	80° 14'	60267	GROVE SQUARE	FDEP	Class V Non-ASR	-	117	95	Biscayne	8/17/1983
9058	25° 44'	80° 15'	60292	GABLES INTERNATIONAL PLAZA	FDEP	Class V Non-ASR	-	117	80	Biscayne	9/18/1980
9059	25° 43'	80° 9'	60296	UNIVERSITY OF MIAMI	FDEP	Class V Non-ASR	-	117	97	Biscayne	7/26/2013
9060	25° 44'	80° 15'	60313	550 BILTMORE OFFICE BUILDING	FDEP	Class V Non-ASR	-	117	95	Biscayne	6/11/1984
9061	25° 46'	80° 11'	59826	GRANDE C.O.	FDEP	Class V Non-ASR	-	117	94	Biscayne	5/20/1996
9062	25° 51'	80° 7'	60616	AVIS RENT-A-CAR	FDEP	Class V Non-ASR	-	117	109	Biscayne	8/2/1984
9063	25° 42'	80° 17'	59921	THE SHOPS AT SUNSET PLACE (LAKES?)	FDEP	Class V Non-ASR	-	117	98	Biscayne	1/15/1997
9064	25° 46'	80° 11'	60136	MIAMI CENTER	FDEP	Class V Non-ASR	-	117	71	Biscayne	7/24/2003
9065	25° 45'	80° 13'	65301	2121 CORAL WAY BUILDING	FDEP	Class V Non-ASR	-	117	103	Biscayne	12/20/1985
9066	25° 46'	80° 11'	65321	BAYFRONT PARK REDEVLOPMENT (PH# 11)	FDEP	Class V Non-ASR	-	117	63	Biscayne	5/20/1986
9067	25° 50'	80° 8'	65329	BAYWALK PLAZA	FDEP	Class V Non-ASR	-	117	100	Biscayne	11/13/2018
9068	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	117	51	Biscayne	3/1/1995
9069	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	117	44	Biscayne	3/1/1995
9070	25° 47'	80° 11'	85135	UTD HEADQUARTERS	FDEP	Class V Non-ASR	-	117	95	Biscayne	3/21/2000
9071	25° 47'	80° 11'	86287	THE MIAMI HERALD PARKING AREAS	FDEP	Class V Non-ASR	-	117	88	Biscayne	9/13/2000
9072	25° 46'	80° 11'	87105	TECHNOLOGY CENTER OF THE AMERICAS	FDEP	Class V Non-ASR	-	117	96	Biscayne	4/3/2001
9073	25° 46'	80° 11'	87105	TECHNOLOGY CENTER OF THE AMERICAS	FDEP	Class V Non-ASR	-	117	96	Biscayne	3/21/2001
9074	25° 45'	80° 15'	89642	ONE ARAGON	FDEP	Class V Non-ASR	-	117	96	Biscayne	8/22/2002
9075	25° 45'	80° 11'	90034	MARY BRICKELL VILLAGE	FDEP	Class V Non-ASR	-	117	95	Biscayne	2/20/2010
9076	25° 47'	80° 11'	92265	FLORIDA ANDERSON OPERA CENTER AKA OPERA PLAZA CORP AKA MELOD	FDEP	Class V Non-ASR	-	117	89	Biscayne	9/25/2004
9077	25° 55'	80° 9'	92275	AVANTI CENTER	FDEP	Class V Non-ASR	-	117	86	Biscayne	9/23/2004
9078	25° 45'	80° 11'	93159	PLAZA ON BRICKELL	FDEP	Class V Non-ASR	-	117	96	Biscayne	8/11/2005
9079	25° 47'	80° 11'	92409	I-395 SURFACE PARKING LOT	FDEP	Class V Non-ASR	-	117	105	Biscayne	11/9/2004
9080	25° 50'	80° 9'	93351	THE LEXI	FDEP	Class V Non-ASR	-	117	71	Biscayne	2/28/2007

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
9081	25° 46'	80° 11'	91197	U S DISTRICT COURT	FDEP	Class V Non-ASR	-	117	100	Biscayne	1/1/1978
9082	25° 46'	80° 13'	92642	ALTOS DE MIAMI, LLC	FDEP	Class V Non-ASR	-	117	100	Biscayne	4/5/2005
9083	25° 46'	80° 11'	91969	BRICKELL TENNIS CLUB NOW BRICKELL CITYCENTRE	FDEP	Class V Non-ASR	-	117	80	Biscayne	1/1/1970
9084	25° 49'	80° 11'	92695	FDOT BISC. BLVD. NE 37 TO NE 67TH ST.	FDEP	Class V Non-ASR	-	117	97	Biscayne	12/16/2006
9085	25° 47'	80° 13'	92713	MIAMI RIVER OUTFALL RETROFIT BASIN 21	FDEP	Class V Non-ASR	-	117	105	Biscayne	5/25/2007
9086	25° 46'	80° 11'	91302	UNITED STATES FEDERAL COURT HOUSE	FDEP	Class V Non-ASR	-	117	93	Biscayne	10/21/2003
9087	25° 47'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	117	100	Biscayne	8/29/2006
9088	25° 47'	80° 11'	91502	BISCAYNE PLAZA CONDOMINIUM	FDEP	Class V Non-ASR	-	117	95	Biscayne	1/19/2005
9089	25° 45'	80° 11'	91510	MARY BRICKELL VILLAGE - EAST	FDEP	Class V Non-ASR	-	117	95	Biscayne	1/25/2010
9090	25° 46'	80° 11'	94708	BRICKELL FINANCIAL CENTRE	FDEP	Class V Non-ASR	-	117	78	Biscayne	7/25/2007
9091	25° 41'	80° 9'	94195	KEY COLONY PLAZA	FDEP	Class V Non-ASR	-	117	89	Biscayne	8/11/2006
9092	25° 47'	80° 12'	105984	RMK MERRILL STEVENS NORTH YARD	FDEP	Class V Non-ASR	-	117	95	Biscayne	7/1/2019
9093	25° 47'	80° 11'	104495	ELYSEE	FDEP	Class V Non-ASR	-	117	96	Biscayne	12/27/2017
9094	25° 45'	80° 11'	105938	THE UNDERLINE PHASE 1	FDEP	Class V Non-ASR	-	117	96	Biscayne	12/7/2019
9095	25° 47'	80° 11'	105177	ART PLAZA	FDEP	Class V Non-ASR	-	117	96	Biscayne	5/14/2018
9096	25° 45'	80° 11'	105825	CITIZEN M HOTEL - BRICKELL	FDEP	Class V Non-ASR	-	117	97	Biscayne	8/22/2019
9097	25° 48'	80° 11'	103278	MODERA EDGEWATER TOWER	FDEP	Class V Non-ASR	-	117	88	Biscayne	2/28/2018
9098	25° 48'	80° 11'	103278	MODERA EDGEWATER TOWER	FDEP	Class V Non-ASR	-	117	88	Biscayne	2/25/2018
9099	25° 47'	80° 8'	103723	GREY SHELL RETAIL	FDEP	Class V Non-ASR	-	117	100	Biscayne	7/20/2017
9100	25° 46'	80° 11'	106282	115 SW 8 ST-CF BRICKELL	FDEP	Class V Non-ASR	-	117	96	Biscayne	11/18/2019
9101	25° 48'	80° 11'	102532	PARAISO BAYVIEWS	FDEP	Class V Non-ASR	-	117	100	Biscayne	10/13/2015
9102	25° 48'	80° 11'	102532	PARAISO BAYVIEWS	FDEP	Class V Non-ASR	-	117	100	Biscayne	10/17/2015
9103	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	117	77	Biscayne	2/15/2018
9104	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	117	77	Biscayne	2/2/2018
9105	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	117	76	Biscayne	12/9/2015
9106	25° 47'	80° 11'	99645	MIAMI ART MUSEUM	FDEP	Class V Non-ASR	-	118	100	Biscayne	8/6/2012
9107	25° 47'	80° 11'	99645	MIAMI ART MUSEUM	FDEP	Class V Non-ASR	-	118	100	Biscayne	8/9/2012
9108	25° 47'	80° 11'	99645	MIAMI ART MUSEUM	FDEP	Class V Non-ASR	-	118	100	Biscayne	7/31/2012
9109	25° 46'	80° 12'	102163	SR 968 (SW 1ST ST) FROM SW 17 AVE TO SW 6TH AVE	FDEP	Class V Non-ASR	-	118	103	Biscayne	4/15/2017
9110	25° 52'	80° 7'	101879	SURFSIDE RESIDENCE INN BY MARRIOTT	FDEP	Class V Non-ASR	-	118	96	Biscayne	6/25/2013
9111	25° 46	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	118	60	Biscayne	10/8/2009
9112	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	118	98	Biscayne	2/9/2011
9113	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	118	94	Biscayne	9/15/2010
9114	25° 47'	80° 8'	102112	1828 BAY ROAD	FDEP	Class V Non-ASR	-	118	77	Biscayne	2/1/2016
9115	25° 45'	80° 11'	101676	SLS	FDEP	Class V Non-ASR	-	118	98	Biscayne	4/25/2014
9116	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	118	77	Biscayne	6/5/2019
9117	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	118	77	Biscayne	5/31/2019
9118	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	118	80	Biscayne	10/7/2019
9119	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	118	82	Biscayne	8/1/2019
9120	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	118	82	Biscayne	8/16/2019
9121	25° 45'	80° 11'	101489	PANORAMA TOWER AT 1101 BRICKELL	FDEP	Class V Non-ASR	-	118	92	Biscayne	10/1/2014
9122	25° 48'	80° 11'	101136	ICON BAY	FDEP	Class V Non-ASR	-	118	100	Biscayne	3/11/2013
9123	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	118	78	Biscayne	9/7/2013
9124	25° 44'	80° 15'	100764	FOUR POINTS BY SHERATION HOTEL	FDEP	Class V Non-ASR	-	118	98	Biscayne	8/1/2014
9125	25° 50'	80° 7'	100356	MONTE CARLO LUXARY RENTALS	FDEP	Class V Non-ASR	-	118	100	Biscayne	2/7/2012
9126	25° 50'	80° 7'	100356	MONTE CARLO LUXARY RENTALS	FDEP	Class V Non-ASR	-	118	100	Biscayne	2/11/2012
9127	25° 45'	80° 11'	101909	ECHO BRICKELL	FDEP	Class V Non-ASR	-	118	95	Biscayne	4/25/2015
9128	25° 45'	80° 11'	102251	1010 BRICKELL	FDEP	Class V Non-ASR	-	118	96	Biscayne	3/5/2015
9129	25° 46	80° 11'	56494	CITY OF MIAMI B-4521 DTW IMP-PHASE II	FDEP	Class V Non-ASR	-	118	75	Biscayne	1/30/1992
9130	25° 47'	80° 11'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	118	78	Biscayne	6/4/1993
9131	25° 38'	80° 17'	59488	DEERING BAY COUNTRY CLUB	FDEP	Class V Non-ASR	-	118	61	Biscayne	9/2/1994
9132	25° 45'	80° 8'	58130	FISHER ISLAND BLDG #10-BAYVIEW	FDEP	Class V Non-ASR	-	118	100	Biscayne	7/23/1990
9133	25° 44'	80° 13'	57538	BAYSHORE VILLAS	FDEP	Class V Non-ASR	-	118	68	Biscayne	6/21/1988
9134	25° 41'	80° 9'	57088	VILLAGE OF KEY BISCAYNE	FDEP	Class V Non-ASR	-	118	84	Biscayne	10/2/1995
9135	25° 46	80° 11'	59286	MC DONALD'S RESTAURANT	FDEP	Class V Non-ASR	-	118	104	Biscayne	10/1/1993
9136	25° 44'	80° 15'	57889	J. MILTON OFFICE BUILDING	FDEP	Class V Non-ASR	-	118	68	Biscayne	8/31/1989
9137	25° 52'	80° 7'	59414	ATLANTIC ROSE CONDOMINIUMS	FDEP	Class V Non-ASR	-	118	103	Biscayne	6/21/1994
9138	25° 47'	80° 7'	59421	OCEAN FRONT APARTMENTS	FDEP	Class V Non-ASR	-	118	91	Biscayne	3/16/1994
9139	25° 45'	80° 11'	59469	SANTA MARIA	FDEP	Class V Non-ASR	-	118	91	Biscayne	1/24/1995
9140	25° 53'	80° 7'	58075	BAL HARBOUR TOWER	FDEP	Class V Non-ASR	-	118	78	Biscayne	4/4/1990
9141	25° 43'	80° 14'	62546	ARBOR / KLEBBA, FRANK	FDEP	Class V Non-ASR	-	118	96	Biscayne	3/7/2019
9142	25° 43'	80° 14'	60228	MIAMI CHART HOUSE	FDEP	Class V Non-ASR	-	118	78	Biscayne	4/21/1982
9143	25° 43'	80° 14'	60267	GROVE SQUARE	FDEP	Class V Non-ASR	-	118	92	Biscayne	9/6/1983
9144	25° 44'	80° 15'	60367	FOUR TOWNES, INC.	FDEP	Class V Non-ASR	-	118	94	Biscayne	10/4/1985
9145	25° 53'	80° 7'	59703	BAY HARBOR ELEMENTARY	FDEP	Class V Non-ASR	-	118	93	Biscayne	8/19/1996
9146	25° 45'	80° 11'	62218	DIAMOND, HARRY	FDEP	Class V Non-ASR	-	118	108	Biscayne	9/25/1984
9147	25° 46	80° 11'	60136	MIAMI CENTER	FDEP	Class V Non-ASR	-	118	77	Biscayne	7/15/2003
9148	25° 45'	80° 13'	60185	CORAL PLAZA OFFICE BLDG.	FDEP	Class V Non-ASR	-	118	83	Biscayne	12/18/1982
9149	25° 46'	80° 9'	65446	MCARTHUR CAUSEWAY (SR A1A)	FDEP	Class V Non-ASR	-	118	67	Biscayne	5/14/1993
9150	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	118	55	Biscayne	3/1/1995
9151	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	118	73	Biscayne	3/1/1995
9152	25° 52'	80° 11'	65481	FDOT 87034-3504 SR 915-NE 6TH AVENUE	FDEP	Class V Non-ASR	-	118	107	Biscayne	10/8/1996
9153	25° 51	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	118	93	Biscayne	6/23/1995
9154	25° 46'	80° 11'	83652	WOLFSON CAMPUS PARKING GARAGE	FDEP	Class V Non-ASR	-	118	93	Biscayne	7/16/1999
9155	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	118	80	Biscayne	10/20/1999
9156	25° 46'	80° 8'	86666	SOUTH POINTE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	118	71	Biscayne	7/17/2002
9157	25° 46'	80° 8'	86666	SOUTH POINTE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	118	72	Biscayne	8/2/2002
9158	25° 46'	80° 8'	86666	SOUTH POINTE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	118	71	Biscayne	8/2/2002
9159	25° 46	80° 11'	87105	TECHNOLOGY CENTER OF THE AMERICAS	FDEP	Class V Non-ASR	-	118	100	Biscayne	3/5/2001
9160	25° 46'	80° 11'	87105	TECHNOLOGY CENTER OF THE AMERICAS	FDEP	Class V Non-ASR	-	118	94	Biscayne	3/22/2001
9161	25° 45'	80° 11'	90034	MARY BRICKELL VILLAGE	FDEP	Class V Non-ASR	-	118	95	Biscayne	2/22/2010
9162	25° 45'	80° 11'	90034	MARY BRICKELL VILLAGE	FDEP	Class V Non-ASR	-	118	95	Biscayne	2/26/2010
9163	25° 45'	80° 11'	90034	MARY BRICKELL VILLAGE	FDEP	Class V Non-ASR	-	118	95	Biscayne	2/16/2010
9164	25° 45'	80° 11'	90034	MARY BRICKELL VILLAGE	FDEP	Class V Non-ASR	-	118	95	Biscayne	2/10/2010
9165	25° 54'	80° 9'	90055	ARCHCREEK INJECTION WELL	FDEP	Class V Non-ASR	-	118	111	Biscayne	10/28/2001
9166	25° 54'	80° 9'	91522	BISCAYNE COMMONS	FDEP	Class V Non-ASR	-	118	74	Biscayne	4/8/2004
9167	25° 51'	80° 7'	92476	CARILLON HOTEL	FDEP	Class V Non-ASR	-	118	89	Biscayne	8/1/2006
9168	25° 44'	80° 14'	92541	VILLAGIO IN THE GROVE TOWER	FDEP	Class V Non-ASR	-	118	110	Biscayne	2/4/2005
9169	25° 47'	80° 11'	92545	QUANTUM ON THE BAY	FDEP	Class V Non-ASR	-	118	90	Biscayne	1/7/2005

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
9170	25° 50'	80° 9'	93351	THE LEXI	FDEP	Class V Non-ASR	-	118	70	Biscayne	12/4/2006
9171	25° 46'	80° 11'	91969	BRICKELL TENNIS CLUB NOW BRICKELL CITYCENTRE	FDEP	Class V Non-ASR	-	118	89	Biscayne	12/16/2012
9172	25° 47'	80° 14'	92713	MIAMI RIVER OUTFALL RETROFIT BASIN 21	FDEP	Class V Non-ASR	-	118	106	Biscayne	12/11/2007
9173	25° 47'	80° 14'	92713	MIAMI RIVER OUTFALL RETROFIT BASIN 21	FDEP	Class V Non-ASR	-	118	105	Biscayne	12/15/2007
9174	25° 47'	80° 14'	92713	MIAMI RIVER OUTFALL RETROFIT BASIN 21	FDEP	Class V Non-ASR	-	118	105	Biscayne	1/9/2008
9175	25° 46'	80° 11'	91302	UNITED STATES FEDERAL COURT HOUSE	FDEP	Class V Non-ASR	-	118	96	Biscayne	9/22/2003
9176	25° 46'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	118	98	Biscayne	2/9/2006
9177	25° 46'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	118	98	Biscayne	2/14/2006
9178	25° 46'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	118	98	Biscayne	2/23/2006
9179	25° 46'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	118	105	Biscayne	3/3/2006
9180	25° 47'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	118	103	Biscayne	2/6/2006
9181	25° 46'	80° 11'	95057	COURT HOUSE CENTER GARAGE	FDEP	Class V Non-ASR	-	118	100	Biscayne	9/19/2008
9182	25° 42'	80° 15'	94900	BATTERSEA ROAD DRAINAGE IMPROVEMENTS	FDEP	Class V Non-ASR	-	118	73	Biscayne	2/11/2008
9183	25° 46'	80° 11'	105088	BRICKELL WORLD PLAZA PH 2	FDEP	Class V Non-ASR	-	118	76	Biscayne	6/6/2018
9184	25° 46'	80° 11'	105088	BRICKELL WORLD PLAZA PH 2	FDEP	Class V Non-ASR	-	118	76	Biscayne	6/10/2018
9185	25° 47'	80° 11'	104495	ELYSEE	FDEP	Class V Non-ASR	-	118	100	Biscayne	10/27/2017
9186	25° 47'	80° 11'	105177	ART PLAZA	FDEP	Class V Non-ASR	-	118	96	Biscayne	5/25/2018
9187	25° 47'	80° 12'	106132	UNIVERSITY OF MIAMI CHILLED WATER & EMERGENCY BACKUP	FDEP	Class V Non-ASR	-	118	96	Biscayne	6/3/2019
9188	25° 48'	80° 11'	103278	MODERA EDGEWATER TOWER	FDEP	Class V Non-ASR	-	118	88	Biscayne	7/24/2017
9189	25° 48'	80° 11'	103278	MODERA EDGEWATER TOWER	FDEP	Class V Non-ASR	-	118	86	Biscayne	7/25/2017
9190	25° 48'	80° 7'	106079	GREATER MIAMI HEBREW ACADEMY	FDEP	Class V Non-ASR	-	118	96	Biscayne	6/3/2019
9191	25° 47'	80° 11'	105969	MODERA BISCAYNE BAY	FDEP	Class V Non-ASR	-	118	96	Biscayne	3/24/2019
9192	25° 47'	80° 11'	105969	MODERA BISCAYNE BAY	FDEP	Class V Non-ASR	-	118	96	Biscayne	4/1/2019
9193	25° 47'	80° 11'	105969	MODERA BISCAYNE BAY	FDEP	Class V Non-ASR	-	118	96	Biscayne	3/30/2019
9194	25° 42'	80° 16'	105099	PASEO DE LA RIVIERA	FDEP	Class V Non-ASR	-	118	56	Biscayne	12/11/2018
9195	25° 42'	80° 16'	105099	PASEO DE LA RIVIERA	FDEP	Class V Non-ASR	-	118	56	Biscayne	5/1/2018
9196	25° 42'	80° 16'	105099	PASEO DE LA RIVIERA	FDEP	Class V Non-ASR	-	118	56	Biscayne	4/26/2018
9197	25° 42'	80° 16'	105099	PASEO DE LA RIVIERA	FDEP	Class V Non-ASR	-	118	56	Biscayne	4/24/2019
9198	25° 48'	80° 11'	102532	PARAISO BAYVIEWS	FDEP	Class V Non-ASR	-	118	100	Biscayne	10/22/2015
9199	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	118	77	Biscayne	3/9/2018
9200	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	118	77	Biscayne	4/9/2018
9201	25° 47'	80° 11'	102699	MAX MIAMI	FDEP	Class V Non-ASR	-	118	96	Biscayne	12/7/2017
9202	25° 47'	80° 11'	102699	MAX MIAMI	FDEP	Class V Non-ASR	-	118	96	Biscayne	5/31/2016
9203	25° 47'	80° 11'	102699	MAX MIAMI	FDEP	Class V Non-ASR	-	118	96	Biscayne	5/31/2016
9204	25° 47'	80° 11'	102699	MAX MIAMI	FDEP	Class V Non-ASR	-	118	96	Biscayne	12/7/2017
9205	25° 46'	80° 8'	97799	SOUTHPOINTE RDA NEIGHBORHOOD 12C	FDEP	Class V Non-ASR	-	119	60	Biscayne	10/1/2009
9206	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	119	98	Biscayne	4/1/2011
9207	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	119	99	Biscayne	2/11/2011
9208	25° 45'	80° 11'	101676	SLS	FDEP	Class V Non-ASR	-	119	98	Biscayne	5/13/2014
9209	25° 47'	80° 11'	99432	PUBLIX BISCAYNE	FDEP	Class V Non-ASR	-	119	92	Biscayne	4/12/2011
9210	25° 46'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	119	95	Biscayne	11/11/1992
9211	25° 46'	80° 11'	57496	AT&T EQUPT.BUILD.CLL1 (MIAMI FLAC)	FDEP	Class V Non-ASR	-	119	90	Biscayne	1/27/1988
9212	25° 51	80° 8'	57123	CALAIS DRIVE	FDEP	Class V Non-ASR	-	119	83	Biscayne	10/28/1998
9213	25° 46'	80° 11'	59266	GALERIA INT'L COMMERCIAL PROJECT	FDEP	Class V Non-ASR	-	119	51	Biscayne	8/2/1993
9214	25° 43'	80° 14'	59315	AVIATION BUILDING AT COCOWALK	FDEP	Class V Non-ASR	-	119	80	Biscayne	11/11/1993
9215	25° 45'	80° 11'	60259	BRICKELL BAY	FDEP	Class V Non-ASR	-	119	96	Biscayne	4/6/1983
9216	25° 44'	80° 15'	60293	DOUGLAS MEDICAL CTR & JOINT VENTURE	FDEP	Class V Non-ASR	-	119	99	Biscayne	6/18/1984
9217	25° 44'	80° 15'	60298	GABLES VIEW OFFICE BUILDING	FDEP	Class V Non-ASR	-	119	94	Biscayne	7/10/1984
9218	25° 53	80° 7'	59703	BAY HARBOR ELEMENTARY	FDEP	Class V Non-ASR	-	119	91	Biscayne	8/19/1996
9219	25° 50'	80° 12'	61158	DEPT. OF WATER & SEWERS	FDEP	Class V Non-ASR	-	119	104	Biscayne	9/4/1984
9220	25° 47'	80° 11'	59968	BRAMAN AUTOMOTIVE SHOWROOM FACILITY FKA BRAMAN CADILLAC	FDEP	Class V Non-ASR	-	119	90	Biscayne	7/29/2014
9221	25° 47'	80° 11'	59968	BRAMAN AUTOMOTIVE SHOWROOM FACILITY FKA BRAMAN CADILLAC	FDEP	Class V Non-ASR	-	119	100	Biscayne	7/29/2014
9222	25° 46'	80° 11'	60136	MIAMI CENTER	FDEP	Class V Non-ASR	-	119	76	Biscayne	7/8/2005
9223	25° 47'	80° 11'	60184	MARRIOTT HOTEL PLAZA	FDEP	Class V Non-ASR	-	119	105	Biscayne	4/28/1982
9224	25° 43	80° 15'	64244	MIA. COCA-COLA BOTT. CO.	FDEP	Class V Non-ASR	-	119	102	Biscayne	10/22/1984
9225	25° 50'	80° 11'	63596	MCARTHUR, J. N.	FDEP	Class V Non-ASR	-	119	111	Biscayne	7/12/1984
9226	25° 45'	80° 11'	65406	FLA. DOT SE 15TH RD & SE14TH ST	FDEP	Class V Non-ASR	-	119	96	Biscayne	10/26/1988
9227	25° 54'	80° 9'	65448	FDOT- STATE PROJECT NO.87030-3571	FDEP	Class V Non-ASR	-	119	53	Biscayne	3/1/1995
9228	25° 52'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	119	87	Biscayne	7/28/1994
9229	25° 52'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	119	90	Biscayne	7/28/1994
9230	25° 48'	80° 12'	63282	MCARTHUR DAIRY INC.	FDEP	Class V Non-ASR	-	119	109	Biscayne	1/14/1985
9231	25° 46'	80° 13'	85178	STATE ROAD 836	FDEP	Class V Non-ASR	-	119	110	Biscayne	1/24/2001
9232	25° 45'	80° 13'	87514	MONACO BUILDING	FDEP	Class V Non-ASR	-	119	100	Biscayne	4/19/2001
9233	25° 45'	80° 11'	90034	MARY BRICKELL VILLAGE	FDEP	Class V Non-ASR	-	119	95	Biscayne	1/30/2010
9234	25° 45'	80° 11'	90034	MARY BRICKELL VILLAGE	FDEP	Class V Non-ASR	-	119	95	Biscayne	2/4/2010
9235	25° 47'	80° 11'	92409	I-395 SURFACE PARKING LOT	FDEP	Class V Non-ASR	-	119	105	Biscayne	12/13/2004
9236	25° 48'	80° 11'	93230	BISCAYNE PARK	FDEP	Class V Non-ASR	-	119	95	Biscayne	10/11/2005
9237	25° 46'	80° 11'	91969	BRICKELL TENNIS CLUB NOW BRICKELL CITYCENTRE	FDEP	Class V Non-ASR	-	119	94	Biscayne	1/1/1970
9238	25° 47'	80° 14'	92713	MIAMI RIVER OUTFALL RETROFIT BASIN 21	FDEP	Class V Non-ASR	-	119	106	Biscayne	8/9/2007
9239	25° 46'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	119	100	Biscayne	9/5/2006
9240	25° 48'	80° 11'	93608	GALLERY ART CONDOMINIUM	FDEP	Class V Non-ASR	-	119	87	Biscayne	12/2/2005
9241	25° 46'	80° 11'	93651	500 BRICKELL	FDEP	Class V Non-ASR	-	119	95	Biscayne	12/21/2005
9242	25° 45'	80° 11'	94704	PARK PLACE	FDEP	Class V Non-ASR	-	119	96	Biscayne	6/13/2007
9243	25° 45'	80° 11'	94704	PARK PLACE	FDEP	Class V Non-ASR	-	119	96	Biscayne	7/16/2007
9244	25° 47'	80° 11'	94103	EDGEWATER LOFTS CONDO	FDEP	Class V Non-ASR	-	119	100	Biscayne	1/3/2007
9245	25° 48'	80° 11'	102532	PARAISO BAYVIEWS	FDEP	Class V Non-ASR	-	119	100	Biscayne	10/3/2015
9246	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	119	76	Biscayne	1/7/2016
9247	25° 44'	80° 12'	106126	THE MARTIN RESIDENCE	FDEP	Class V Non-ASR	-	119	96	Biscayne	12/1/2019
9248	25° 46'	80° 11'	100541	MY BRICKELL	FDEP	Class V Non-ASR	-	120	77	Biscayne	5/11/2012
9249	25° 48'	80° 11'	101869	PARAISO BAY	FDEP	Class V Non-ASR	-	120	100	Biscayne	6/15/2015
9250	25° 48'	80° 11'	101869	PARAISO BAY	FDEP	Class V Non-ASR	-	120	100	Biscayne	5/1/2016
9251	25° 48'	80° 11'	101869	PARAISO BAY	FDEP	Class V Non-ASR	-	120	100	Biscayne	9/11/2017
9252	25° 48'	80° 11'	101869	PARAISO BAY	FDEP	Class V Non-ASR	-	120	100	Biscayne	9/11/2017
9253	25° 46'	80° 11'	100943	CITY HEIGHTS APARTMENTS	FDEP	Class V Non-ASR	-	120	92	Biscayne	1/28/2013
9254	25° 45'	80° 11'	102300	SOLITAIR BRICKELL	FDEP	Class V Non-ASR	-	120	85	Biscayne	6/27/2015
9255	25° 45'	80° 11'	102300	SOLITAIR BRICKELL	FDEP	Class V Non-ASR	-	120	78	Biscayne	6/25/2015
9256	25° 45'	80° 11'	102300	SOLITAIR BRICKELL	FDEP	Class V Non-ASR	-	120	88	Biscayne	6/22/2015
9257	25° 46'	80° 12'	101394	FDOT DISTRICT VI	FDEP	Class V Non-ASR	-	120	100	Biscayne	10/20/2016
9258	25° 46'	80° 12'	101394	FDOT DISTRICT VI	FDEP	Class V Non-ASR	-	120	100	Biscayne	11/13/2017

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
9259	25° 46'	80° 12'	101394	FDOT DISTRICT VI	FDEP	Class V Non-ASR	-	120	100	Biscayne	9/25/2017
9260	25° 46'	80° 12'	101394	FDOT DISTRICT VI	FDEP	Class V Non-ASR	-	120	100	Biscayne	10/13/2016
9261	25° 46'	80° 12'	101394	FDOT DISTRICT VI	FDEP	Class V Non-ASR	-	120	100	Biscayne	10/26/2016
9262	25° 46'	80° 12'	101394	FDOT DISTRICT VI	FDEP	Class V Non-ASR	-	120	100	Biscayne	11/13/2016
9263	25° 46'	80° 12'	102163	SR 968 (SW 1ST ST) FROM SW 17 AVE TO SW 6TH AVE	FDEP	Class V Non-ASR	-	120	100	Biscayne	10/11/2017
9264	25° 46'	80° 12'	102163	SR 968 (SW 1ST ST) FROM SW 17 AVE TO SW 6TH AVE	FDEP	Class V Non-ASR	-	120	100	Biscayne	3/17/2017
9265	25° 44'	80° 14'	102156	GROVE STATION TOWER	FDEP	Class V Non-ASR	-	120	100	Biscayne	1/6/2015
9266	25° 44'	80° 15'	101316	PONCE & BIRD RESIDENTIAL DEVELOPMENT	FDEP	Class V Non-ASR	-	120	100	Biscayne	8/15/2013
9267	25° 44'	80° 15'	101316	PONCE & BIRD RESIDENTIAL DEVELOPMENT	FDEP	Class V Non-ASR	-	120	100	Biscayne	4/15/2014
9268	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	120	98	Biscayne	5/12/2011
9269	25° 45'	80° 11'	101641	1080 BRICKELL	FDEP	Class V Non-ASR	-	120	86	Biscayne	3/5/2014
9270	25° 45'	80° 11'	101641	1080 BRICKELL	FDEP	Class V Non-ASR	-	120	89	Biscayne	3/1/2014
9271	25° 47'	80° 8'	102041	17TH STREET HOTEL	FDEP	Class V Non-ASR	-	120	96	Biscayne	10/8/2015
9272	25° 47'	80° 11'	99432	PUBLIX BISCAYNE	FDEP	Class V Non-ASR	-	120	93	Biscayne	4/11/2011
9273	25° 47'	80° 11'	99432	PUBLIX BISCAYNE	FDEP	Class V Non-ASR	-	120	90	Biscayne	4/5/2011
9274	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	120	77	Biscayne	5/31/2019
9275	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	120	77	Biscayne	6/18/2019
9276	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	120	77	Biscayne	6/13/2019
9277	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	120	77	Biscayne	5/31/2019
9278	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	120	77	Biscayne	5/1/2019
9279	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	120	77	Biscayne	5/13/2019
9280	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	120	77	Biscayne	5/24/2019
9281	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	120	77	Biscayne	5/24/2019
9282	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	120	77	Biscayne	6/18/2019
9283	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	120	77	Biscayne	5/13/2019
9284	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	120	77	Biscayne	5/13/2019
9285	25° 53'	80° 7'	98656	BAL HARBOUR SHOPS	FDEP	Class V Non-ASR	-	120	77	Biscayne	5/13/2019
9286	25° 47'	80° 11'	99858	CAMELOT COURT APARTMENTS	FDEP	Class V Non-ASR	-	120	104	Biscayne	10/31/2011
9287	25° 46'	80° 11'	98632	MIAMI DADE COLLEGE CULINARY ARTS BLDG 9000	FDEP	Class V Non-ASR	-	120	112	Biscayne	6/12/2010
9288	25° 46'	80° 11'	101633	CENTRO	FDEP	Class V Non-ASR	-	120	75	Biscayne	3/20/2014
9289	25° 48'	80° 11'	101881	BISCAYNE BEACH	FDEP	Class V Non-ASR	-	120	100	Biscayne	9/3/2014
9290	25° 44'	80° 15'	101526	MODERA BIRD	FDEP	Class V Non-ASR	-	120	95	Biscayne	9/30/2014
9291	25° 44'	80° 15'	101526	MODERA BIRD	FDEP	Class V Non-ASR	-	120	95	Biscayne	10/15/2014
9292	25° 45'	80° 11'	101508	CITY CROSSING APARTMENTS	FDEP	Class V Non-ASR	-	120	92	Biscayne	12/17/2013
9293	25° 47'	80° 12'	102055	NW 7TH AVE NW 8TH ST TO NW 36TH AVE	FDEP	Class V Non-ASR	-	120	100	Biscayne	12/4/2017
9294	25° 47'	80° 12'	102055	NW 7TH AVE NW 8TH ST TO NW 36TH AVE	FDEP	Class V Non-ASR	-	120	100	Biscayne	9/27/2017
9295	25° 47'	80° 12'	102055	NW 7TH AVE NW 8TH ST TO NW 36TH AVE	FDEP	Class V Non-ASR	-	120	100	Biscayne	11/29/2017
9296	25° 47'	80° 12'	102055	NW 7TH AVE NW 8TH ST TO NW 36TH AVE	FDEP	Class V Non-ASR	-	120	100	Biscayne	12/7/2017
9297	25° 55'	80° 9'	56490	NORTH DIST. WWTP EXP PH I	FDEP	Class V Non-ASR	-	120	46	Biscayne	1/14/1992
9298	25° 47'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	120	100	Biscayne	5/21/1993
9299	25° 45'	80° 8'	58202	FISHER ISLAND BAYVIEW BLDG. 9	FDEP	Class V Non-ASR	-	120	95	Biscayne	1/7/1991
9300	25° 46'	80° 11'	56955	METROPOLITAN DETENTION CENTER	FDEP	Class V Non-ASR	-	120	99	Biscayne	5/28/1993
9301	25° 46'	80° 12'	56991	CITY OF MIAMI -NORTH RIVER DRIVE	FDEP	Class V Non-ASR	-	120	40	Biscayne	1/12/1988
9302	25° 46'	80° 12'	56991	CITY OF MIAMI -NORTH RIVER DRIVE	FDEP	Class V Non-ASR	-	120	80	Biscayne	1/12/1988
9303	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	120	97	Biscayne	6/30/2017
9304	25° 47'	80° 12'	57030	PUBLIC RIGHT OF WAY --WAGNER CREEK	FDEP	Class V Non-ASR	-	120	97	Biscayne	4/19/1991
9305	25° 47'	80° 13'	57030	PUBLIC RIGHT OF WAY --WAGNER CREEK	FDEP	Class V Non-ASR	-	120	92	Biscayne	3/26/1991
9306	25° 48'	80° 12'	57030	PUBLIC RIGHT OF WAY --WAGNER CREEK	FDEP	Class V Non-ASR	-	120	92	Biscayne	5/12/1991
9307	25° 53'	80° 9'	57845	SHOPS OF ARCH CREEK	FDEP	Class V Non-ASR	-	120	69	Biscayne	6/7/1989
9308	25° 53'	80° 9'	57845	SHOPS OF ARCH CREEK	FDEP	Class V Non-ASR	-	120	66	Biscayne	6/15/1989
9309	25° 43'	80° 14'	57224	3121 COMMODORE PLAZA	FDEP	Class V Non-ASR	-	120	100	Biscayne	9/4/1987
9310	25° 44'	80° 13'	57903	GROVE HARBOR CONDOMIUM	FDEP	Class V Non-ASR	-	120	89	Biscayne	8/2/1989
9311	25° 53'	80° 7'	59372	SHERATON BAL HARBOUR HOTEL	FDEP	Class V Non-ASR	-	120	80	Biscayne	1/25/1994
9312	25° 47'	80° 8'	60250	ALTON STAR CONDO.	FDEP	Class V Non-ASR	-	120	109	Biscayne	1/16/1986
9313	25° 46'	80° 8'	60250	ALTON STAR CONDO.	FDEP	Class V Non-ASR	-	120	104	Biscayne	1/29/1986
9314	25° 45'	80° 11'	60259	BRICKELL BAY	FDEP	Class V Non-ASR	-	120	91	Biscayne	4/6/1983
9315	25° 47'	80° 12'	61032	CRYSTAL ICE COMPANY	FDEP	Class V Non-ASR	-	120	0	Biscayne	8/27/1984
9316	25° 50'	80° 7'	60294	MAISON GRANDE	FDEP	Class V Non-ASR	-	120	108	Biscayne	1/31/1984
9317	25° 46'	80° 11'	60334	COURVOISIER CENTRE	FDEP	Class V Non-ASR	-	120	109	Biscayne	1/16/1986
9318	25° 45'	80° 15'	61092	DADE PHARMACIES	FDEP	Class V Non-ASR	-	120	0	Biscayne	8/30/1984
9319	25° 49'	80° 11'	60386	WASSER, A. I.	FDEP	Class V Non-ASR	-	120	107	Biscayne	6/28/1984
9320	25° 43'	80° 15'	61173	DIXIE DAIRY	FDEP	Class V Non-ASR	-	120	117	Biscayne	9/4/1984
9321	25° 41'	80° 9'	59785	KEY BISCAYNE BASINS 1-8	FDEP	Class V Non-ASR	-	120	79	Biscayne	4/18/1996
9322	25° 44'	80° 14'	60586	ART-CEMENT MANUFACTURING COMPANY	FDEP	Class V Non-ASR	-	120	103	Biscayne	12/4/2018
9323	25° 45'	80° 16'	61311	EASY DUZ IT LAUNDERY	FDEP	Class V Non-ASR	-	120	0	Biscayne	9/10/1984
9324	25° 45'	80° 15'	60610	AUGUST BROTHERS BAKERY	FDEP	Class V Non-ASR	-	120	112	Biscayne	8/2/1984
9325	25° 47'	80° 7'	60629	B.K.W., CORP.	FDEP	Class V Non-ASR	-	120	0	Biscayne	8/2/1984
9326	25° 45'	80° 11'	59938	CASA GRANDE TOWERS CONDO	FDEP	Class V Non-ASR	-	120	89	Biscayne	9/4/1997
9327	25° 47'	80° 12'	60747	BLOOD BANK	FDEP	Class V Non-ASR	-	120	0	Biscayne	8/10/1984
9328	25° 48'	80° 7'	62366	EMBASSY HOTEL	FDEP	Class V Non-ASR	-	120	95	Biscayne	9/21/1984
9329	25° 45'	80° 14'	60929	CITY ICE & FUEL CO.	FDEP	Class V Non-ASR	-	120	120	Biscayne	8/21/1984
9330	25° 48'	80° 15'	63516	INTERCONTINENT AIR.	FDEP	Class V Non-ASR	-	120	0	Biscayne	7/9/1984
9331	25° 45'	80° 13'	62925	GULF OIL CO.	FDEP	Class V Non-ASR	-	120	0	Biscayne	8/16/1985
9332	25° 48'	80° 14'	63022	RO-ED CORP.	FDEP	Class V Non-ASR	-	120	0	Biscayne	11/26/1984
9333	25° 48'	80° 14'	63023	RO-ED CORP.	FDEP	Class V Non-ASR	-	120	0	Biscayne	11/26/1984
9334	25° 47'	80° 12'	62932	BIRD, H.W.	FDEP	Class V Non-ASR	-	120	109	Biscayne	11/19/1984
9335	25° 47'	80° 11'	62967	PURE ICE MANUFACTURERS	FDEP	Class V Non-ASR	-	120	0	Biscayne	8/16/1985
9336	25° 46'	80° 11'	65322	BAYFRONT PARK REDEVELOPMENT - PH-11	FDEP	Class V Non-ASR	-	120	79	Biscayne	3/25/1986
9337	25° 45'	80° 11'	65340	SUN BANK	FDEP	Class V Non-ASR	-	120	107	Biscayne	6/13/1986
9338	25° 47'	80° 7'	63886	KISER DRILLING COMPANY	FDEP	Class V Non-ASR	-	120	0	Biscayne	9/6/1984
9339	25° 48'	80° 8'	65408	FDOT JULIA TUTTLE CAUSEWAY	FDEP	Class V Non-ASR	-	120	52	Biscayne	5/12/1989
9340	25° 47'	80° 11'	65458	FDOT-MACARTHUR CWSY.BR-87060-3549	FDEP	Class V Non-ASR	-	120	90	Biscayne	7/19/1995
9341	25° 46'	80° 13'	85178	STATE ROAD 836	FDEP	Class V Non-ASR	-	120	110	Biscayne	3/29/2001
9342	25° 46'	80° 11'	83652	WOLFSON CAMPUS PARKING GARAGE	FDEP	Class V Non-ASR	-	120	93	Biscayne	8/27/1999
9343	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	120	70	Biscayne	10/29/1999
9344	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	120	75	Biscayne	10/5/1999
9345	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	120	75	Biscayne	10/6/1999
9346	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	120	100	Biscayne	10/22/1999
9347	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	120	70	Biscayne	11/5/1999

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
9348	25° 53'	80° 7'	84948	FDOT SR922/NE96 ST. & SRAIA/COLLINS AVE.	FDEP	Class V Non-ASR	-	120	53	Biscayne	7/5/2001
9349	25° 46'	80° 8'	86666	SOUTH POINTE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	120	55	Biscayne	8/8/2002
9350	25° 47'	80° 11'	86287	THE MIAMI HERALD PARKING AREAS	FDEP	Class V Non-ASR	-	120	96	Biscayne	9/15/2000
9351	25° 38'	80° 17'	87001	DEERING BAY	FDEP	Class V Non-ASR	-	120	65	Biscayne	6/12/2001
9352	25° 47'	80° 11'	88494	MIAMI-DADE COUNTY PERFORMING ARTS CENTER	FDEP	Class V Non-ASR	-	120	111	Biscayne	1/18/2002
9353	25° 43'	80° 14'	91515	GROVERNOR CONDOMINUM	FDEP	Class V Non-ASR	-	120	63	Biscayne	2/11/2004
9354	25° 47'	80° 11'	91517	1800 CLUB	FDEP	Class V Non-ASR	-	120	94	Biscayne	5/10/2004
9355	25° 44'	80° 14'	91524	GROVE VIEW CONDOMINIUM	FDEP	Class V Non-ASR	-	120	94	Biscayne	2/6/2004
9356	25° 47'	80° 14'	92350	RIVER RUN SOUTH APARTMENT CONDOMINIUMS	FDEP	Class V Non-ASR	-	120	110	Biscayne	3/9/2005
9357	25° 47'	80° 14'	92350	RIVER RUN SOUTH APARTMENT CONDOMINIUMS	FDEP	Class V Non-ASR	-	120	110	Biscayne	2/5/2005
9358	25° 47'	80° 14'	92350	RIVER RUN SOUTH APARTMENT CONDOMINIUMS	FDEP	Class V Non-ASR	-	120	110	Biscayne	4/15/2005
9359	25° 45'	80° 11'	93163	AVENUE A CONDOMINIUM AT 1060 BRICKELL	FDEP	Class V Non-ASR	-	120	90	Biscayne	7/28/2005
9360	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	120	91	Biscayne	12/15/2005
9361	25° 45'	80° 11'	92640	1110 BRICKELL BUILDING	FDEP	Class V Non-ASR	-	120	90	Biscayne	2/10/2005
9362	25° 46'	80° 11'	92726	MARINA BLUE CONDOS	FDEP	Class V Non-ASR	-	120	91	Biscayne	3/1/2005
9363	25° 46'	80° 11'	91302	UNITED STATES FEDERAL COURT HOUSE	FDEP	Class V Non-ASR	-	120	106	Biscayne	9/26/2003
9364	25° 46'	80° 11'	91302	UNITED STATES FEDERAL COURT HOUSE	FDEP	Class V Non-ASR	-	120	85	Biscayne	9/16/2003
9365	25° 46'	80° 11'	91302	UNITED STATES FEDERAL COURT HOUSE	FDEP	Class V Non-ASR	-	120	94	Biscayne	4/24/2004
9366	25° 46'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	120	99	Biscayne	8/25/2006
9367	25° 46'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	120	99	Biscayne	8/18/2006
9368	25° 46'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	120	100	Biscayne	8/15/2006
9369	25° 47'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	120	99	Biscayne	8/23/2006
9370	25° 48'	80° 11'	93608	GALLERY ART CONDOMINIUM	FDEP	Class V Non-ASR	-	120	94	Biscayne	12/14/2005
9371	25° 47'	80° 11'	93662	CONCERT HALL	FDEP	Class V Non-ASR	-	120	92	Biscayne	3/13/2006
9372	25° 54'	80° 9'	91472	BISCAYNE LANDING	FDEP	Class V Non-ASR	-	120	72	Biscayne	12/9/2003
9373	25° 47'	80° 13'	95496	YMCA ALLAPATTAH PHASE I & II	FDEP	Class V Non-ASR	-	120	108	Biscayne	1/9/2009
9374	25° 45'	80° 11'	95609	SOUTHSIDE ELEMENTARY	FDEP	Class V Non-ASR	-	120	100	Biscayne	7/9/2009
9375	25° 46'	80° 11'	95057	COURT HOUSE CENTER GARAGE	FDEP	Class V Non-ASR	-	120	100	Biscayne	9/4/2008
9376	25° 46'	80° 11'	94775	RELATED LOFTS III	FDEP	Class V Non-ASR	-	120	100	Biscayne	11/8/2007
9377	25° 42'	80° 16'	95419	NEW REVIERA NURSING & REHABLITATION CENTER	FDEP	Class V Non-ASR	-	120	100	Biscayne	2/20/2009
9378	25° 46	80° 12'	106368	702 SW 1ST STREET	FDEP	Class V Non-ASR	-	120	90	Biscayne	1/21/2020
9379	25° 45'	80° 11'	102673	HOTEL INDIGO MIAMI BRICKELL	FDEP	Class V Non-ASR	-	120	95	Biscayne	8/22/2018
9380	25° 47'	80° 11'	104495	ELYSEE	FDEP	Class V Non-ASR	-	120	96	Biscayne	3/10/2018
9381	25° 47'	80° 11'	104495	ELYSEE	FDEP	Class V Non-ASR	-	120	96	Biscayne	3/9/2018
9382	25° 47'	80° 11'	104495	ELYSEE	FDEP	Class V Non-ASR	-	120	96	Biscayne	3/9/2018
9383	25° 54'	80° 8'	103237	PARKVIEW VILLAS	FDEP	Class V Non-ASR	-	120	70	Biscayne	10/11/2017
9384	25° 44'	80° 14'	105277	MIAMI CITY SELF STORAGE 2500 SW 28TH LANE	FDEP	Class V Non-ASR	-	120	86	Biscayne	8/2/2018
9385	25° 50'	80° 7'	105016	MIMOSA HOTEL	FDEP	Class V Non-ASR	-	120	96	Biscayne	4/3/2018
9386	25° 47'	80° 9'	102840	N HIBISCUS RESIDENCE	FDEP	Class V Non-ASR	-	120	97	Biscayne	7/12/2016
9387	25° 48'	80° 11'	103278	MODERA EDGEWATER TOWER	FDEP	Class V Non-ASR	-	120	88	Biscayne	2/26/2018
9388	25° 43'	80° 14'	105176	THE HARBOUR - COCONUT GROVE	FDEP	Class V Non-ASR	-	120	77	Biscayne	6/8/2018
9389	25° 46'	80° 11'	106021	YOTEL HOTEL & RESIDENCES	FDEP	Class V Non-ASR	-	120	96	Biscayne	4/25/2019
9390	25° 47'	80° 13'	105911	17 ALLAPATTAH	FDEP	Class V Non-ASR	-	120.0	100	Biscayne	10/1/2019
9391	25° 50'	80° 8'	106070	TREASURES ON THE BAY	FDEP	Class V Non-ASR	-	120.00	84	Biscayne	1/1/1970
9392	25° 50'	80° 8'	106070	TREASURES ON THE BAY	FDEP	Class V Non-ASR	-	120	84	Biscayne	1/1/1970
9393	25° 50'	80° 8'	106070	TREASURES ON THE BAY	FDEP	Class V Non-ASR	-	120	84	Biscayne	1/1/1970
9394	25° 50'	80° 8'	106070	TREASURES ON THE BAY	FDEP	Class V Non-ASR	-	120	84	Biscayne	1/1/1970
9395	25° 43'	80° 14'	105435	GROVE CENTER	FDEP	Class V Non-ASR	-	120	88	Biscayne	11/1/2018
9396	25° 48'	80° 11'	103204	BISCAYNE 27	FDEP	Class V Non-ASR	-	120	100	Biscayne	5/24/2017
9397	25° 48'	80° 11'	103204	BISCAYNE 27	FDEP	Class V Non-ASR	-	120	100	Biscayne	6/3/2017
9398	25° 48'	80° 11'	103204	BISCAYNE 27	FDEP	Class V Non-ASR	-	120	100	Biscayne	5/24/2017
9399	25° 48'	80° 11'	103204	BISCAYNE 27	FDEP	Class V Non-ASR	-	120	100	Biscayne	6/13/2017
9400	25° 46'	80° 12'	103034	MIAMI CENTER 747	FDEP	Class V Non-ASR	-	120	97	Biscayne	9/26/2016
9401	25° 46'	80° 12'	103034	MIAMI CENTER 747	FDEP	Class V Non-ASR	-	120	100	Biscayne	9/26/2016
9402	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	120	90	Biscayne	5/14/2019
9403	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	120	90	Biscayne	5/12/2019
9404	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	120	87	Biscayne	5/17/2019
9405	25° 46'	80° 11'	102961	VICE	FDEP	Class V Non-ASR	-	120	96	Biscayne	10/12/2016
9406	25° 46'	80° 11'	102961	VICE	FDEP	Class V Non-ASR	-	120	96	Biscayne	10/7/2016
9407	25° 46'	80° 11'	102961	VICE	FDEP	Class V Non-ASR	-	120	90	Biscayne	8/2/2016
9408	25° 46'	80° 11'	102961	VICE	FDEP	Class V Non-ASR	-	120	90	Biscayne	8/4/2016
9409	25° 48'	80° 11'	102532	PARAISO BAYVIEWS	FDEP	Class V Non-ASR	-	120	100	Biscayne	10/13/2015
9410	25° 44'	80° 16'	104342	ANTHONY F. MACINA - THE NEW BILTMORE	FDEP	Class V Non-ASR	-	120	90	Biscayne	1/1/1970
9411	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	120	88	Biscayne	9/14/2015
9412	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	120	74	Biscayne	9/8/2015
9413	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	120	97	Biscayne	1/11/2016
9414	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	120	76	Biscayne	10/31/2015
9415	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	120	77	Biscayne	12/18/2015
9416	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	120	77	Biscayne	12/11/2015
9417	25° 43'	80° 14'	102404	PARK GROVE	FDEP	Class V Non-ASR	-	120	76	Biscayne	12/23/2015
9418	25° 47'	80° 14'	102720	CURTIS PARK	FDEP	Class V Non-ASR	-	120	90	Biscayne	8/19/2017
9419	25° 47'	80° 14'	102720	CURTIS PARK	FDEP	Class V Non-ASR	-	120	85	Biscayne	7/9/2017
9420	25° 47'	80° 14'	102720	CURTIS PARK	FDEP	Class V Non-ASR	-	120	85	Biscayne	8/17/2017
9421	25° 47'	80° 14'	102720	CURTIS PARK	FDEP	Class V Non-ASR	-	120	85	Biscayne	7/9/2017
9422	25° 47'	80° 14'	102720	CURTIS PARK	FDEP	Class V Non-ASR	-	120	85	Biscayne	6/20/2017
9423	25° 47'	80° 14'	102720	CURTIS PARK	FDEP	Class V Non-ASR	-	120	85	Biscayne	7/8/2017
9424	25° 47'	80° 14'	102720	CURTIS PARK	FDEP	Class V Non-ASR	-	120	85	Biscayne	6/19/2017
9425	25° 47'	80° 14'	102720	CURTIS PARK	FDEP	Class V Non-ASR	-	120	85	Biscayne	6/20/2017
9426	25° 47'	80° 14'	102720	CURTIS PARK	FDEP	Class V Non-ASR	-	120	85	Biscayne	7/9/2017
9427	25° 47'	80° 14'	102720	CURTIS PARK	FDEP	Class V Non-ASR	-	120	85	Biscayne	8/18/2017
9428	25° 46'	80° 11'	103061	MIAMI WORLD CENTER BLOCK G - 7TH STREET APTS	FDEP	Class V Non-ASR	-	120	104	Biscayne	10/12/2016
9429	25° 43'	80° 14'	104734	3480 MAIN HIGHWAY	FDEP	Class V Non-ASR	-	120	95	Biscayne	10/9/2017
9430	25° 48'	80° 11'	101869	PARAISO BAY	FDEP	Class V Non-ASR	-	121	100	Biscayne	7/9/2015
9431	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	121	96	Biscayne	2/5/2011
9432	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	121	97	Biscayne	4/29/2010
9433	25° 48'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	121	98	Biscayne	3/10/2010
9434	25° 43'	80° 13'	100167	GROVE MARINA MARKET	FDEP	Class V Non-ASR	-	121	71	Biscayne	6/28/1988
9435	25° 48'	80° 11'	101881	BISCAYNE BEACH	FDEP	Class V Non-ASR	-	121	100	Biscayne	9/16/2014
9436	25° 48'	80° 11'	101881	BISCAYNE BEACH	FDEP	Class V Non-ASR	-	121	100	Biscayne	8/5/2014

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
9437	25° 52'	80° 7'	101769	SURF CLUB (SC TRUST LLC)	FDEP	Class V Non-ASR	-	121	75	Biscayne	4/12/2014
9438	25° 50'	80° 7'	100356	MONTE CARLO LUXARY RENTALS	FDEP	Class V Non-ASR	-	121	100	Biscayne	2/17/2012
9439	25° 47'	80° 13'	56792	JUSTICE CENTER SUPPORT FACILITY	FDEP	Class V Non-ASR	-	121	82	Biscayne	6/1/1996
9440	25° 47'	80° 11'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	121	81	Biscayne	4/27/1993
9441	25° 46'	80° 11'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	121	68	Biscayne	6/7/1993
9442	25° 45'	80° 11'	56552	BRICKELL METROMOVER STATION	FDEP	Class V Non-ASR	-	121	110	Biscayne	6/21/1994
9443	25° 45'	80° 8'	58130	FISHER ISLAND BLDG #10-BAYVIEW	FDEP	Class V Non-ASR	-	121	97	Biscayne	7/26/1990
9444	25° 43'	80° 13'	57526	MONTY TRAINOR'S	FDEP	Class V Non-ASR	-	121	71	Biscayne	6/28/1988
9445	25° 53'	80° 7'	59004	THE SHUL	FDEP	Class V Non-ASR	-	121	82	Biscayne	7/22/1992
9446	25° 46'	80° 12'	57013	PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	121	91	Biscayne	5/22/1990
9447	25° 45'	80° 8'	58422	FISHER ISLAND OCEANSIDE BLDG. 7	FDEP	Class V Non-ASR	-	121	89	Biscayne	9/5/1991
9448	25° 46'	80° 11'	59219	WOLFSON CAMPUS PHASE III	FDEP	Class V Non-ASR	-	121	108	Biscayne	4/30/1993
9449	25° 46'	80° 11'	59219	WOLFSON CAMPUS PHASE III	FDEP	Class V Non-ASR	-	121	91	Biscayne	4/30/1993
9450	25° 47'	80° 11'	57797	BISCAYNE VIEW APARTMENTS	FDEP	Class V Non-ASR	-	121	90	Biscayne	2/16/1989
9451	25° 43'	80° 14'	60267	GROVE SQUARE	FDEP	Class V Non-ASR	-	121	96	Biscayne	8/31/1983
9452	25° 43'	80° 14'	60267	GROVE SQUARE	FDEP	Class V Non-ASR	-	121	92	Biscayne	8/18/1983
9453	25° 45'	80° 11'	60334	COURVOISIER CENTRE	FDEP	Class V Non-ASR	-	121	101	Biscayne	1/17/1986
9454	25° 46'	80° 11'	60334	COURVOISIER CENTRE	FDEP	Class V Non-ASR	-	121	105	Biscayne	1/29/1986
9455	25° 45'	80° 15'	60340	SALZEDO OFFICE PLAZA	FDEP	Class V Non-ASR	-	121	102	Biscayne	2/20/1985
9456	25° 45'	80° 11'	59677	BRICKELL HOUSE CONDO	FDEP	Class V Non-ASR	-	121	80	Biscayne	10/11/2012
9457	25° 52'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	121	87	Biscayne	7/28/1994
9458	25° 53'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	121	84	Biscayne	7/28/1994
9459	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	121	70	Biscayne	9/20/1999
9460	25° 46'	80° 8'	86666	SOUTH POINTE STREETSCAPE IMPROVEMENTS	FDEP	Class V Non-ASR	-	121	71	Biscayne	8/2/2002
9461	25° 46'	80° 7'	85435	CONTINUUM ON SOUTH BEACH	FDEP	Class V Non-ASR	-	121	88	Biscayne	5/26/2000
9462	25° 51'	80° 7'	92534	VILASOL	FDEP	Class V Non-ASR	-	121	91	Biscayne	6/20/2005
9463	25° 48'	80° 11'	92653	CITY 24	FDEP	Class V Non-ASR	-	121	100	Biscayne	8/31/2005
9464	25° 47'	80° 11'	92653	CITY 24	FDEP	Class V Non-ASR	-	121	100	Biscayne	9/10/2005
9465	25° 46'	80° 11'	91969	BRICKELL TENNIS CLUB NOW BRICKELL CITYCENTRE	FDEP	Class V Non-ASR	-	121	103	Biscayne	5/20/2004
9466	25° 46'	80° 11'	91969	BRICKELL TENNIS CLUB NOW BRICKELL CITYCENTRE	FDEP	Class V Non-ASR	-	121	82	Biscayne	12/16/2011
9467	25° 47'	80° 14'	92713	MIAMI RIVER OUTFALL RETROFIT BASIN 21	FDEP	Class V Non-ASR	-	121	106	Biscayne	11/22/2007
9468	25° 46'	80° 11'	92726	MARINA BLUE CONDOS	FDEP	Class V Non-ASR	-	121	96	Biscayne	3/8/2005
9469	25° 46'	80° 11'	91302	UNITED STATES FEDERAL COURT HOUSE	FDEP	Class V Non-ASR	-	121	93	Biscayne	9/26/2003
9470	25° 46'	80° 11'	91367	CARBONELL	FDEP	Class V Non-ASR	-	121	108	Biscayne	10/24/2003
9471	25° 45'	80° 11'	94704	PARK PLACE	FDEP	Class V Non-ASR	-	121	92	Biscayne	6/22/2007
9472	25° 53'	80° 7'	95058	ST REGIS RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	121	80	Biscayne	6/6/2008
9473	25° 53'	80° 7'	95058	ST REGIS RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	121	88	Biscayne	8/19/2011
9474	25° 44'	80° 14'	102577	MATER GROVE ACADEMY	FDEP	Class V Non-ASR	-	121	87	Biscayne	12/3/2015
9475	25° 44'	80° 16'	104342	ANTHONY F. MACINA - THE NEW BILTMORE	FDEP	Class V Non-ASR	-	121	91	Biscayne	1/1/1970
9476	25° 48'	80° 11'	101869	PARAISO BAY	FDEP	Class V Non-ASR	-	122	100	Biscayne	8/22/2014
9477	25° 48'	80° 11'	101869	PARAISO BAY	FDEP	Class V Non-ASR	-	122	100	Biscayne	10/23/2014
9478	25° 48'	80° 11'	101869	PARAISO BAY	FDEP	Class V Non-ASR	-	122	100	Biscayne	10/23/2014
9479	25° 48'	80° 11'	101869	PARAISO BAY	FDEP	Class V Non-ASR	-	122	100	Biscayne	7/9/2015
9480	25° 47'	80° 11'	99659	BRAMAN HYUNDAI, INC.	FDEP	Class V Non-ASR	-	122	107	Biscayne	9/1/2011
9481	25° 46'	80° 12'	101394	FDOT DISTRICT VI	FDEP	Class V Non-ASR	-	122	100	Biscayne	11/11/2017
9482	25° 46'	80° 13'	102163	SR 968 (SW 1ST ST) FROM SW 17 AVE TO SW 6TH AVE	FDEP	Class V Non-ASR	-	122	100	Biscayne	5/4/2017
9483	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	122	92	Biscayne	10/15/2010
9484	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	122	92	Biscayne	10/14/2010
9485	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	122	91	Biscayne	10/9/2010
9486	25° 48'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	122	98	Biscayne	3/1/2010
9487	25° 44'	80° 14'	101565	GIBRALTAR RESIDENTIAL OFFICES	FDEP	Class V Non-ASR	-	122	100	Biscayne	1/22/2014
9488	25° 47'	80° 8'	102041	17TH STREET HOTEL	FDEP	Class V Non-ASR	-	122	96	Biscayne	12/3/2014
9489	25° 46'	80° 11'	101633	CENTRO	FDEP	Class V Non-ASR	-	122	96	Biscayne	3/28/2014
9490	25° 48'	80° 11'	101881	BISCAYNE BEACH	FDEP	Class V Non-ASR	-	122	100	Biscayne	9/11/2014
9491	25° 48'	80° 11'	101881	BISCAYNE BEACH	FDEP	Class V Non-ASR	-	122	100	Biscayne	10/2/2014
9492	25° 48'	80° 11'	101881	BISCAYNE BEACH	FDEP	Class V Non-ASR	-	122	100	Biscayne	9/13/2014
9493	25° 48'	80° 11'	101881	BISCAYNE BEACH	FDEP	Class V Non-ASR	-	122	100	Biscayne	9/17/2014
9494	25° 48'	80° 11'	101881	BISCAYNE BEACH	FDEP	Class V Non-ASR	-	122	100	Biscayne	9/17/2014
9495	25° 51'	80° 7'	99860	PUBLIX SUPER MARKETS STORE 1382	FDEP	Class V Non-ASR	-	122	100	Biscayne	11/9/2011
9496	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	122	100	Biscayne	9/22/2010
9497	25° 52'	80° 7'	101769	SURF CLUB (SC TRUST LLC)	FDEP	Class V Non-ASR	-	122	96	Biscayne	4/23/2014
9498	25° 52'	80° 7'	101769	SURF CLUB (SC TRUST LLC)	FDEP	Class V Non-ASR	-	122	78	Biscayne	4/15/2014
9499	25° 45'	80° 11'	100915	MILLECENTO	FDEP	Class V Non-ASR	-	122	90	Biscayne	11/9/2012
9500	25° 46'	80° 11'	58358	F.W. WOOLWORTH STORE # 1127	FDEP	Class V Non-ASR	-	122	111	Biscayne	11/13/1990
9501	25° 45'	80° 8'	59116	FISHER ISLAND FERRY DOCKS	FDEP	Class V Non-ASR	-	122	70	Biscayne	11/21/1992
9502	25° 43'	80° 14'	57812	RANSOM EVERGLADES SCHOOL, INC.	FDEP	Class V Non-ASR	-	122	79	Biscayne	3/9/1989
9503	25° 43'	80° 14'	57812	RANSOM EVERGLADES SCHOOL, INC.	FDEP	Class V Non-ASR	-	122	82	Biscayne	3/21/1989
9504	25° 53'	80° 7'	59372	SHERATON BAL HARBOUR HOTEL	FDEP	Class V Non-ASR	-	122	87	Biscayne	1/14/1994
9505	25° 45'	80° 11'	59383	ST. LOUIS CONDOMINIUM	FDEP	Class V Non-ASR	-	122	92	Biscayne	2/23/1994
9506	25° 46'	80° 11'	60353	LINCOLN CENTRE	FDEP	Class V Non-ASR	-	122	108	Biscayne	3/5/1985
9507	25° 45'	80° 11'	59677	BRICKELL HOUSE CONDO	FDEP	Class V Non-ASR	-	122	80	Biscayne	9/26/2012
9508	25° 47'	80° 12'	61313	ECONOMY WHOLESALE GROCERY	FDEP	Class V Non-ASR	-	122	0	Biscayne	8/16/1985
9509	25° 47'	80° 11'	59968	BRAMAN AUTOMOTIVE SHOWROOM FACILITY FKA BRAMAN CADILLAC	FDEP	Class V Non-ASR	-	122	102	Biscayne	11/18/2014
9510	25° 47'	80° 11'	59968	BRAMAN AUTOMOTIVE SHOWROOM FACILITY FKA BRAMAN CADILLAC	FDEP	Class V Non-ASR	-	122	102	Biscayne	11/26/2014
9511	25° 45'	80° 14'	60888	OPITZ, CHARLES	FDEP	Class V Non-ASR	-	122	114	Biscayne	8/15/1985
9512	25° 45'	80° 15'	65320	THE ALHAMBRA	FDEP	Class V Non-ASR	-	122	108	Biscayne	3/12/1986
9513	25° 53'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	122	85	Biscayne	7/28/1994
9514	25° 45'	80° 11'	84580	FOUR SEASONS HOTEL & TOWER	FDEP	Class V Non-ASR	-	122	100	Biscayne	1/11/1999
9515	25° 38'	80° 17'	87001	DEERING BAY	FDEP	Class V Non-ASR	-	122	69	Biscayne	6/4/2001
9516	25° 38'	80° 17'	87001	DEERING BAY	FDEP	Class V Non-ASR	-	122	64	Biscayne	6/23/2001
9517	25° 50'	80° 11'	88583	MCARTHUR DAIRY-DEAN FOODS PLANT	FDEP	Class V Non-ASR	-	122	117	Biscayne	1/1/1970
9518	25° 54'	80° 9'	90055	ARCHCREEK INJECTION WELL	FDEP	Class V Non-ASR	-	122	114	Biscayne	10/25/2002
9519	25° 43'	80° 14'	91515	GROVERNOR CONDOMINUM	FDEP	Class V Non-ASR	-	122	73	Biscayne	7/8/2004
9520	25° 47'	80° 8'	91749	BAY ROAD BETWEEN 14TH & 16TH STREETS	FDEP	Class V Non-ASR	-	122	109	Biscayne	4/9/2004
9521	25° 46'	80° 11'	93227	50 BISCAYNE	FDEP	Class V Non-ASR	-	122	100	Biscayne	9/9/2005
9522	25° 47'	80° 13'	94510	RIVER OAKS CONDOMINIUM	FDEP	Class V Non-ASR	-	122	87	Biscayne	1/4/2008
9523	25° 45'	80° 14'	94142	CORAL POINTE CONDOMINIUMS	FDEP	Class V Non-ASR	-	122	111	Biscayne	8/4/2006
9524	25° 47'	80° 7'	94363	MIAMI BEACH SENIOR HIGH	FDEP	Class V Non-ASR	-	122	75	Biscayne	12/20/2006
9525	25° 46'	80° 11'	106121	X BISCAYNE	FDEP	Class V Non-ASR	-	122	112	Biscayne	8/20/2019

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
9526	25° 44'	80° 15'	102751	INFINITI OF CORAL GABLES	FDEP	Class V Non-ASR	-	122	101	Biscayne	9/29/2016
9527	25° 46'	80° 11'	102961	VICE	FDEP	Class V Non-ASR	-	122	97	Biscayne	10/8/2016
9528	25° 52'	80° 7'	101759	CHATEAU OCEAN	FDEP	Class V Non-ASR	-	123	90	Biscayne	4/28/2014
9529	25° 48'	80° 11'	101869	PARAISO BAY	FDEP	Class V Non-ASR	-	123	100	Biscayne	8/18/2014
9530	25° 52'	80° 7'	101879	SURFSIDE RESIDENCE INN BY MARRIOTT	FDEP	Class V Non-ASR	-	123	94	Biscayne	6/12/2014
9531	25° 47'	80° 14'	100788	MIAMI RIVER APARTMENTS	FDEP	Class V Non-ASR	-	123	95	Biscayne	9/26/2012
9532	25° 47'	80° 11'	99432	PUBLIX BISCAYNE	FDEP	Class V Non-ASR	-	123	96	Biscayne	4/6/2011
9533	25° 48'	80° 11'	101881	BISCAYNE BEACH	FDEP	Class V Non-ASR	-	123	100	Biscayne	8/19/2014
9534	25° 48'	80° 11'	101881	BISCAYNE BEACH	FDEP	Class V Non-ASR	-	123	100	Biscayne	8/28/2014
9535	25° 52'	80° 7'	101769	SURF CLUB (SC TRUST LLC)	FDEP	Class V Non-ASR	-	123	89	Biscayne	4/9/2014
9536	25° 47'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	123	99	Biscayne	6/1/1993
9537	25° 47'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	123	76	Biscayne	6/7/1993
9538	25° 45'	80° 11'	59383	ST. LOUIS CONDOMINIUM	FDEP	Class V Non-ASR	-	123	95	Biscayne	2/28/1994
9539	25° 48'	80° 7'	60212	CARIBBEAN HOTEL	FDEP	Class V Non-ASR	-	123	115	Biscayne	6/12/1979
9540	25° 42'	80° 16'	60222	ATRIUM AT CORAL GABLES WELLS 1-4	FDEP	Class V Non-ASR	-	123	102	Biscayne	10/21/1982
9541	25° 46'	80° 7'	59901	THE TIDES HOTEL	FDEP	Class V Non-ASR	-	123	113	Biscayne	11/4/1996
9542	25° 52'	80° 7'	59865	THE RIMINI	FDEP	Class V Non-ASR	-	123	88	Biscayne	5/1/1997
9543	25° 47'	80° 11'	59968	BRAMAN AUTOMOTIVE SHOWROOM FACILITY FKA BRAMAN CADILLAC	FDEP	Class V Non-ASR	-	123	102	Biscayne	11/12/2014
9544	25° 45'	80° 11'	60194	BRICKELL KEY	FDEP	Class V Non-ASR	-	123	110	Biscayne	12/1/1981
9545	25° 48'	80° 12'	64243	MIA. COCA-COLA BOTTLING COMPANY	FDEP	Class V Non-ASR	-	123	115	Biscayne	7/8/1957
9546	25° 45'	80° 15'	65320	THE ALHAMBRA	FDEP	Class V Non-ASR	-	123	100	Biscayne	3/20/1986
9547	25° 45'	80° 15'	65320	THE ALHAMBRA	FDEP	Class V Non-ASR	-	123	103	Biscayne	3/27/1986
9548	25° 45'	80° 11'	65406	FLA. DOT SE 15TH RD & SE14TH ST	FDEP	Class V Non-ASR	-	123	92	Biscayne	10/28/1988
9549	25° 48'	80° 11'	63273	DECORATOR'S SHOWCASE BUILDING	FDEP	Class V Non-ASR	-	123	115	Biscayne	1/7/1985
9550	25° 47'	80° 11'	88494	MIAMI-DADE COUNTY PERFORMING ARTS CENTER	FDEP	Class V Non-ASR	-	123	111	Biscayne	2/22/2002
9551	25° 43'	80° 14'	91515	GROVERNOR CONDOMINUM	FDEP	Class V Non-ASR	-	123	69	Biscayne	2/6/2004
9552	25° 47'	80° 11'	92265	FLORIDA ANDERSON OPERA CENTER AKA OPERA PLAZA CORP AKA MELOD	FDEP	Class V Non-ASR	-	123	95	Biscayne	9/11/2014
9553	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	123	98	Biscayne	4/3/2006
9554	25° 47'	80° 14'	92713	MIAMI RIVER OUTFALL RETROFIT BASIN 21	FDEP	Class V Non-ASR	-	123	105	Biscayne	8/27/2007
9555	25° 47'	80° 14'	92713	MIAMI RIVER OUTFALL RETROFIT BASIN 21	FDEP	Class V Non-ASR	-	123	106	Biscayne	9/20/2007
9556	25° 46'	80° 11'	92726	MARINA BLUE CONDOS	FDEP	Class V Non-ASR	-	123	100	Biscayne	2/18/2005
9557	25° 46'	80° 11'	92726	MARINA BLUE CONDOS	FDEP	Class V Non-ASR	-	123	92	Biscayne	2/23/2005
9558	25° 46'	80° 11'	104533	MIAMI WORLD CENTER BLOCK D-EAST	FDEP	Class V Non-ASR	-	123	96	Biscayne	9/7/2017
9559	25° 44'	80° 15'	100576	REX ART RESIDENCES	FDEP	Class V Non-ASR	-	124	107	Biscayne	6/5/2012
9560	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	124	89	Biscayne	4/27/2010
9561	25° 47'	80° 12'	98836	CAMILLUS HOUSE, INC.	FDEP	Class V Non-ASR	-	124	100	Biscayne	8/20/2010
9562	25° 48'	80° 11'	102363	ONE BAY RESIDENCES	FDEP	Class V Non-ASR	-	124	96	Biscayne	7/6/2015
9563	25° 45'	80° 11'	102251	1010 BRICKELL	FDEP	Class V Non-ASR	-	124	96	Biscayne	11/17/2016
9564	25° 46'	80° 9'	56533	PORT OF MIAMI CRUISE TERMINAL A	FDEP	Class V Non-ASR	-	124	76	Biscayne	10/8/1993
9565	25° 45'	80° 8'	58130	FISHER ISLAND BLDG #10-BAYVIEW	FDEP	Class V Non-ASR	-	124	97	Biscayne	6/26/1990
9566	25° 53'	80° 8'	58204	BAY HARBORVIEW CONDOMINIUM	FDEP	Class V Non-ASR	-	124	66	Biscayne	11/13/1990
9567	25° 46'	80° 11'	56955	METROPOLITAN DETENTION CENTER	FDEP	Class V Non-ASR	-	124	100	Biscayne	5/28/1993
9568	25° 46'	80° 11'	56955	METROPOLITAN DETENTION CENTER	FDEP	Class V Non-ASR	-	124	108	Biscayne	5/28/1993
9569	25° 54'	80° 9'	59114	COSTCO - NORTH MIAMI BEACH	FDEP	Class V Non-ASR	-	124	67	Biscayne	12/3/1992
9570	25° 54'	80° 9'	58421	KENTUCKY FRIED CHICKEN	FDEP	Class V Non-ASR	-	124	96	Biscayne	2/26/1991
9571	25° 51'	80° 8'	57123	CALAIS DRIVE	FDEP	Class V Non-ASR	-	124	85	Biscayne	9/1/1998
9572	25° 43'	80° 14'	57770	THE SHOPPES IN THE GROVE	FDEP	Class V Non-ASR	-	124	82	Biscayne	12/16/1988
9573	25° 47'	80° 11'	59444	EAGLE NATIONAL BANK OF MIAMI	FDEP	Class V Non-ASR	-	124	119	Biscayne	6/10/1994
9574	25° 43'	80° 14'	60206	GROVE AT GRAND BAY CONDOMINIUMS	FDEP	Class V Non-ASR	-	124	73	Biscayne	6/1/2013
9575	25° 42'	80° 16'	60222	ATRIUM AT CORAL GABLES WELLS 1-4	FDEP	Class V Non-ASR	-	124	105	Biscayne	10/22/1982
9576	25° 46'	80° 8'	60250	ALTON STAR CONDO.	FDEP	Class V Non-ASR	-	124	106	Biscayne	1/10/1986
9577	25° 45'	80° 11'	60334	COURVOISIER CENTRE	FDEP	Class V Non-ASR	-	124	106	Biscayne	1/10/1986
9578	25° 50'	80° 7'	59973	WHITE DIAMOND CONDOMONIUM	FDEP	Class V Non-ASR	-	124	101	Biscayne	2/9/2004
9579	25° 50'	80° 7'	59973	WHITE DIAMOND CONDOMONIUM	FDEP	Class V Non-ASR	-	124	103	Biscayne	3/12/2004
9580	25° 48'	80° 16'	62715	PAN AMERICAN AIR FERRIES	FDEP	Class V Non-ASR	-	124	100	Biscayne	10/19/1984
9581	25° 49'	80° 11'	64309	MINIT FRY POTATOE CO.	FDEP	Class V Non-ASR	-	124	118	Biscayne	10/24/1984
9582	25° 52'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	124	84	Biscayne	7/28/1994
9583	25° 51'	80° 7'	65489	FDOT-SR A1A/COLLINS AVE/HARDING AVE	FDEP	Class V Non-ASR	-	124	86	Biscayne	6/23/1995
9584	25° 47'	80° 11'	90216	NEW BODY SHOP/PARKING STRUCTURE	FDEP	Class V Non-ASR	-	124	102	Biscayne	1/20/2003
9585	25° 43'	80° 14'	91515	GROVERNOR CONDOMINUM	FDEP	Class V Non-ASR	-	124	63	Biscayne	8/2/2004
9586	25° 45'	80° 11'	93159	PLAZA ON BRICKELL	FDEP	Class V Non-ASR	-	124	103	Biscayne	9/19/2006
9587	25° 46'	80° 11'	93183	EVERGLADES ON THE BAY	FDEP	Class V Non-ASR	-	124	105	Biscayne	7/25/2005
9588	25° 43'	80° 14'	93187	RICE 3333	FDEP	Class V Non-ASR	-	124	96	Biscayne	9/19/2005
9589	25° 51'	80° 7'	92476	CARILLON HOTEL	FDEP	Class V Non-ASR	-	124	85	Biscayne	11/30/2004
9590	25° 46'	80° 11'	93227	50 BISCAYNE	FDEP	Class V Non-ASR	-	124	115	Biscayne	8/24/2005
9591	25° 47'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	124	103	Biscayne	4/11/2006
9592	25° 48'	80° 11'	94427	SHOPS AT MIDTOWN MIAMI-CDD	FDEP	Class V Non-ASR	-	124	110	Biscayne	12/9/2006
9593	25° 47'	80° 11'	94803	BRAMAN MOTORS LOT 2	FDEP	Class V Non-ASR	-	124	104	Biscayne	12/5/2008
9594	25° 44'	80° 14'	93930	SOUTH 27 LOFTS	FDEP	Class V Non-ASR	-	124	108	Biscayne	4/17/2006
9595	25° 46'	80° 11'	94708	BRICKELL FINANCIAL CENTRE	FDEP	Class V Non-ASR	-	124	76	Biscayne	9/8/2007
9596	25° 48'	80° 11'	94820	MOONBAY	FDEP	Class V Non-ASR	-	124	86	Biscayne	9/28/2007
9597	25° 49'	80° 15'	101084	STANDARA WELDING SUPPLY, INC	FDEP	Class V Non-ASR	-	125	125	Biscayne	3/18/1986
9598	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	125	92	Biscayne	7/13/2010
9599	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	125	92	Biscayne	7/15/2010
9600	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	125	105	Biscayne	10/26/2010
9601	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	125	98	Biscayne	4/22/2010
9602	25° 48'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	125	96	Biscayne	9/1/2010
9603	25° 47'	80° 11'	100831	SKYVIEW	FDEP	Class V Non-ASR	-	125	86	Biscayne	9/20/2012
9604	25° 47'	80° 11'	100831	SKYVIEW	FDEP	Class V Non-ASR	-	125	100	Biscayne	9/20/2012
9605	25° 48'	80° 11'	101136	ICON BAY	FDEP	Class V Non-ASR	-	125	100	Biscayne	3/11/2013
9606	25° 48'	80° 11'	101136	ICON BAY	FDEP	Class V Non-ASR	-	125	100	Biscayne	3/11/2013
9607	25° 47'	80° 11'	98396	N. BAYSHORE DR. STORMWATER DRAIANGE B-50658	FDEP	Class V Non-ASR	-	125	94	Biscayne	8/10/2009
9608	25° 52'	80° 7'	101769	SURF CLUB (SC TRUST LLC)	FDEP	Class V Non-ASR	-	125	76	Biscayne	4/16/2014
9609	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	125	79	Biscayne	11/13/2013
9610	25° 48'	80° 11'	101443	BAY HOUSE	FDEP	Class V Non-ASR	-	125	101	Biscayne	10/22/2013
9611	25° 49'	80° 10'	56477	CITY OF MIAMI, PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	125	69	Biscayne	9/5/1991
9612	25° 46'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	125	89	Biscayne	2/24/1993
9613	25° 46'	80° 11'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	125	94	Biscayne	4/7/1993
9614	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	125	100	Biscayne	5/11/2016

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
9615	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	125	100	Biscayne	5/27/2016
9616	25° 43'	80° 14'	57770	THE SHOPPES IN THE GROVE	FDEP	Class V Non-ASR	-	125	81	Biscayne	12/14/1988
9617	25° 43'	80° 14'	57770	THE SHOPPES IN THE GROVE	FDEP	Class V Non-ASR	-	125	74	Biscayne	12/16/1988
9618	25° 46'	80° 11'	59219	WOLFSON CAMPUS PHASE III	FDEP	Class V Non-ASR	-	125	100	Biscayne	4/30/1993
9619	25° 45'	80° 15'	58021	C.B.D. DEVELOPMENT	FDEP	Class V Non-ASR	-	125	98	Biscayne	1/3/1990
9620	25° 45'	80° 13'	61731	TOWER THEATER	FDEP	Class V Non-ASR	-	125	0	Biscayne	7/31/1984
9621	25° 48'	80° 11'	61764	TRU-FRUIT COMPANY	FDEP	Class V Non-ASR	-	125	0	Biscayne	7/31/1984
9622	25° 46'	80° 13'	61773	TYCOON TACKLE, INC.	FDEP	Class V Non-ASR	-	125	0	Biscayne	7/31/1984
9623	25° 46'	80° 11'	60278	MIAMI,CITY OF/UNIV.MIAMI-KNIGHT CTR	FDEP	Class V Non-ASR	-	125	60	Biscayne	12/27/1981
9624	25° 46'	80° 11'	60278	MIAMI,CITY OF/UNIV.MIAMI-KNIGHT CTR	FDEP	Class V Non-ASR	-	125	60	Biscayne	2/27/1981
9625	25° 46'	80° 11'	60278	MIAMI,CITY OF/UNIV.MIAMI-KNIGHT CTR	FDEP	Class V Non-ASR	-	125	60	Biscayne	2/27/1981
9626	25° 47'	80° 12'	61926	WEST. MEAT & SAUSAGE	FDEP	Class V Non-ASR	-	125	0	Biscayne	8/9/1984
9627	25° 47'	80° 12'	61175	DOKHORN REALTY CORP.	FDEP	Class V Non-ASR	-	125	0	Biscayne	9/4/1984
9628	25° 48'	80° 13'	61235	CONGER, DR. G. D.	FDEP	Class V Non-ASR	-	125	0	Biscayne	9/6/1984
9629	25° 47'	80° 12'	61312	ECONOMY WHOLESALE GROCERY	FDEP	Class V Non-ASR	-	125	0	Biscayne	9/10/1984
9630	25° 46'	80° 12'	61314	COE, EDGAR	FDEP	Class V Non-ASR	-	125	0	Biscayne	8/16/1985
9631	25° 51'	80° 11'	61490	SHORES BUILDING, INC.	FDEP	Class V Non-ASR	-	125	0	Biscayne	7/20/1984
9632	25° 53'	80° 7'	59963	SAKS FIFTH AVENUE	FDEP	Class V Non-ASR	-	125	79	Biscayne	10/25/1997
9633	25° 48'	80° 11'	60832	CAPITAL DRESS COMPANY	FDEP	Class V Non-ASR	-	125	0	Biscayne	8/17/1984
9634	25° 44'	80° 15'	60848	CARL' MARKET,INC.	FDEP	Class V Non-ASR	-	125	119	Biscayne	8/17/1984
9635	25° 45'	80° 15'	60856	DANIEL S. CAROL	FDEP	Class V Non-ASR	-	125	0	Biscayne	1/24/2008
9636	25° 48'	80° 11'	62441	FLORIDA DAIRY CO.	FDEP	Class V Non-ASR	-	125	0	Biscayne	9/26/1984
9637	25° 44'	80° 16'	60137	GRANADA PARK	FDEP	Class V Non-ASR	-	125	102	Biscayne	4/2/1981
9638	25° 46'	80° 12'	60940	CITY OF MIAMI DIR. ENGINEER	FDEP	Class V Non-ASR	-	125	93	Biscayne	8/22/1984
9639	25° 50'	80° 12'	62479	FLORIDA RUBBER CORP.	FDEP	Class V Non-ASR	-	125	0	Biscayne	10/4/1984
9640	25° 45'	80° 15'	62483	FLORIDA STATE THEATERS	FDEP	Class V Non-ASR	-	125	0	Biscayne	10/4/1984
9641	25° 48'	80° 12'	64245	MIA. COCA-COLA BOTT. CO.	FDEP	Class V Non-ASR	-	125	120	Biscayne	10/22/1984
9642	25° 48'	80° 12'	64245	MIA. COCA-COLA BOTT. CO.	FDEP	Class V Non-ASR	-	125	120	Biscayne	10/22/1984
9643	25° 47'	80° 15'	64278	MIAMI MELL, INC.	FDEP	Class V Non-ASR	-	125	0	Biscayne	10/23/1984
9644	25° 46'	80° 14'	62870	PALTRIDGE, R.W.	FDEP	Class V Non-ASR	-	125	0	Biscayne	11/13/1984
9645	25° 48'	80° 12'	62927	GULF OIL CORP.	FDEP	Class V Non-ASR	-	125	0	Biscayne	11/19/1984
9646	25° 45'	80° 14'	62950	OLD MILL GRILL	FDEP	Class V Non-ASR	-	125	0	Biscayne	8/16/1985
9647	25° 48'	80° 12'	62960	PEPSI COLA BOTTLING CO./MIAMI	FDEP	Class V Non-ASR	-	125	0	Biscayne	9/6/1985
9648	25° 45'	80° 15'	65320	THE ALHAMBRA	FDEP	Class V Non-ASR	-	125	101	Biscayne	4/10/1986
9649	25° 50'	80° 11'	63078	ROBERTS SUPPLY CO.	FDEP	Class V Non-ASR	-	125	105	Biscayne	11/28/1984
9650	25° 44'	80° 17'	63881	KISER DRILLING COMPANY	FDEP	Class V Non-ASR	-	125	0	Biscayne	9/6/1984
9651	25° 50'	80° 11'	64028	LITTLE RIVER BANK & TRUST	FDEP	Class V Non-ASR	-	125	0	Biscayne	9/27/1984
9652	25° 50'	80° 11'	64028	LITTLE RIVER BANK & TRUST	FDEP	Class V Non-ASR	-	125	120	Biscayne	9/27/1984
9653	25° 48'	80° 12'	63282	MCARTHUR DAIRY INC.	FDEP	Class V Non-ASR	-	125	120	Biscayne	1/14/1985
9654	25° 48'	80° 12'	63282	MCARTHUR DAIRY INC.	FDEP	Class V Non-ASR	-	125	115	Biscayne	1/14/1985
9655	25° 46'	80° 11'	83652	WOLFSON CAMPUS PARKING GARAGE	FDEP	Class V Non-ASR	-	125	99	Biscayne	8/12/1999
9656	25° 45'	80° 13'	87514	MONACO BUILDING	FDEP	Class V Non-ASR	-	125	92	Biscayne	5/24/2001
9657	25° 52'	80° 11'	87995	CENTER FOR THE ARTS AND CAMPUS GARAGE	FDEP	Class V Non-ASR	-	125	116	Biscayne	7/21/2015
9658	25° 47'	80° 11'	91517	1800 CLUB	FDEP	Class V Non-ASR	-	125	95	Biscayne	4/30/2004
9659	25° 47'	80° 11'	92265	FLORIDA ANDERSON OPERA CENTER AKA OPERA PLAZA CORP AKA MELOD	FDEP	Class V Non-ASR	-	125	95	Biscayne	6/17/2015
9660	25° 45'	80° 11'	93159	PLAZA ON BRICKELL	FDEP	Class V Non-ASR	-	125	100	Biscayne	7/7/2005
9661	25° 46'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	125	102	Biscayne	2/7/2006
9662	25° 47'	80° 11'	92827	SR 5 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	125	101	Biscayne	2/2/2006
9663	25° 47'	80° 8'	94908	CAPRI ON THE BAY	FDEP	Class V Non-ASR	-	125	102	Biscayne	3/21/2008
9664	25° 42'	80° 17'	104904	THE SHOPS AT SUNSET PLACE	FDEP	Class V Non-ASR	-	125	120	Biscayne	7/8/2019
9665	25° 46'	80° 11'	104533	MIAMI WORLD CENTER BLOCK D-EAST	FDEP	Class V Non-ASR	-	125	96	Biscayne	9/8/2017
9666	25° 53'	80° 9'	102655	PADRE PIO INVESTMENT	FDEP	Class V Non-ASR	-	125	104	Biscayne	2/18/2016
9667	25° 46'	80° 11'	102669	MIAMI DADE COLLEGE WOLFSON CAMPUS PARKING GARAGE	FDEP	Class V Non-ASR	-	125	105	Biscayne	3/18/2016
9668	25° 47'	80° 10'	100469	CITY OF MIAMI - SAN MARCO ISLAND	FDEP	Class V Non-ASR	-	126	86	Biscayne	5/8/2012
9669	25° 47'	80° 12'	98836	CAMILLUS HOUSE, INC.	FDEP	Class V Non-ASR	-	126	100	Biscayne	9/13/2010
9670	25° 48'	80° 11'	102363	ONE BAY RESIDENCES	FDEP	Class V Non-ASR	-	126	96	Biscayne	6/26/2015
9671	25° 47'	80° 11'	98396	N. BAYSHORE DR. STORMWATER DRAIANGE B-50658	FDEP	Class V Non-ASR	-	126	92	Biscayne	7/30/2009
9672	25° 52'	80° 7'	101769	SURF CLUB (SC TRUST LLC)	FDEP	Class V Non-ASR	-	126	85	Biscayne	4/10/2014
9673	25° 47'	80° 7'	102037	ANSONIA HOTEL	FDEP	Class V Non-ASR	-	126	110	Biscayne	3/4/2016
9674	25° 47'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	126	99	Biscayne	4/26/1993
9675	25° 45'	80° 11'	57676	THE ISLAND CLUB	FDEP	Class V Non-ASR	-	126	122	Biscayne	11/1/1988
9676	25° 47'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	126	96	Biscayne	1/17/2017
9677	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	126	90	Biscayne	1/11/2017
9678	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	126	96	Biscayne	1/4/2017
9679	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	126	96	Biscayne	1/31/2017
9680	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	126	106	Biscayne	5/24/2016
9681	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	126	106	Biscayne	6/2/2016
9682	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	126	96	Biscayne	1/15/2018
9683	25° 43'	80° 14'	57770	THE SHOPPES IN THE GROVE	FDEP	Class V Non-ASR	-	126	83	Biscayne	12/9/1988
9684	25° 45'	80° 11'	59377	CLAUGHTON ISLAND-PHASE II	FDEP	Class V Non-ASR	-	126	101	Biscayne	1/31/1994
9685	25° 46'	80° 11'	60235	DOWNTOWN GOV'T CNTRL SUPPORT FAC.	FDEP	Class V Non-ASR	-	126	120	Biscayne	11/1/1983
9686	25° 45'	80° 15'	60330	LONDON & LEEDS, CORAL GABLES CORP.	FDEP	Class V Non-ASR	-	126	100	Biscayne	10/18/1984
9687	25° 50'	80° 7'	59973	WHITE DIAMOND CONDOMONIUM	FDEP	Class V Non-ASR	-	126	95	Biscayne	12/10/1997
9688	25° 46'	80° 10'	59987	TQUESTA II AT BRICKELL KEY	FDEP	Class V Non-ASR	-	126	108	Biscayne	4/23/1998
9689	25° 48'	80° 12'	64243	MIA. COCA-COLA BOTTLING COMPANY	FDEP	Class V Non-ASR	-	126	118	Biscayne	6/26/1957
9690	25° 53'	80° 9'	65447	BISCAYNE BLVD. NE 123 ST/135 ST.DOT	FDEP	Class V Non-ASR	-	126	79	Biscayne	7/22/1992
9691	25° 47'	80° 11'	65458	FDOT-MACARTHUR CWSY.BR-87060-3549	FDEP	Class V Non-ASR	-	126	94	Biscayne	7/19/1995
9692	25° 45'	80° 11'	65527	FDOT 87054-3502 SW 2 AVE. - SW 1 AVE.	FDEP	Class V Non-ASR	-	126	95	Biscayne	4/10/1987
9693	25° 45'	80° 15'	89642	ONE ARAGON	FDEP	Class V Non-ASR	-	126	88	Biscayne	8/16/2002
9694	25° 55'	80° 8'	95477	STATE SCHOOL QQQ-1	FDEP	Class V Non-ASR	-	126	98	Biscayne	11/18/2008
9695	25° 44'	80° 14'	91573	SHAMROCK AT THE GABLES	FDEP	Class V Non-ASR	-	126	90	Biscayne	3/9/2004
9696	25° 45'	80° 11'	93159	PLAZA ON BRICKELL	FDEP	Class V Non-ASR	-	126	96	Biscayne	4/11/2007
9697	25° 45'	80° 11'	93159	PLAZA ON BRICKELL	FDEP	Class V Non-ASR	-	126	100	Biscayne	11/13/2006
9698	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	126	101	Biscayne	7/28/2006
9699	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	126	107	Biscayne	12/5/2005
9700	25° 47'	80° 11'	92793	UPTOWN LOFTS	FDEP	Class V Non-ASR	-	126	108	Biscayne	5/9/2005
9701	25° 46'	80° 11'	91367	CARBONELL	FDEP	Class V Non-ASR	-	126	97	Biscayne	11/11/2003
9702	25° 45'	80° 11'	95475	BRICKELL FIRST	FDEP	Class V Non-ASR	-	126	106	Biscayne	10/28/2008
9703	25° 42'	80° 16'	95419	NEW REVIERA NURSING & REHABLITATION CENTER	FDEP	Class V Non-ASR	-	126	90	Biscayne	2/28/2009

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
9704	25° 46'	80° 11'	104533	MIAMI WORLD CENTER BLOCK D-EAST	FDEP	Class V Non-ASR	-	126	96	Biscayne	9/7/2017
9705	25° 46'	80° 11'	104533	MIAMI WORLD CENTER BLOCK D-EAST	FDEP	Class V Non-ASR	-	126	96	Biscayne	9/7/2017
9706	25° 46'	80° 11'	104533	MIAMI WORLD CENTER BLOCK D-EAST	FDEP	Class V Non-ASR	-	126	96	Biscayne	9/9/2017
9707	25° 46'	80° 11'	104533	MIAMI WORLD CENTER BLOCK D-EAST	FDEP	Class V Non-ASR	-	126	96	Biscayne	9/9/2017
9708	25° 44'	80° 12'	106126	THE MARTIN RESIDENCE	FDEP	Class V Non-ASR	-	126	105	Biscayne	1/30/2020
9709	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	127	92	Biscayne	6/17/2010
9710	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	127	100	Biscayne	5/6/2011
9711	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	127	92	Biscayne	7/29/2010
9712	25° 48'	80° 11'	101881	BISCAYNE BEACH	FDEP	Class V Non-ASR	-	127	100	Biscayne	9/4/2014
9713	25° 52'	80° 7'	101769	SURF CLUB (SC TRUST LLC)	FDEP	Class V Non-ASR	-	127	75	Biscayne	4/4/2013
9714	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	127	78	Biscayne	5/12/2014
9715	25° 49'	80° 10'	56477	CITY OF MIAMI, PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	127	79	Biscayne	9/5/1991
9716	25° 47'	80° 11'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	127	73	Biscayne	6/7/1993
9717	25° 45'	80° 11'	57464	BRICKELL STATION TOWER	FDEP	Class V Non-ASR	-	127	92	Biscayne	12/4/1987
9718	25° 47'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	127	96	Biscayne	1/26/2017
9719	25° 47'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	127	96	Biscayne	1/21/2017
9720	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	127	106	Biscayne	12/27/2016
9721	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	127	95	Biscayne	10/20/2016
9722	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	127	101	Biscayne	5/16/2016
9723	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	127	102	Biscayne	5/19/2016
9724	25° 45'	80° 15'	57890	2330 PONCE BUILDING	FDEP	Class V Non-ASR	-	127	121	Biscayne	7/7/1989
9725	25° 50'	80° 7'	60210	ST. FRANCIS HOSPITAL, INC.	FDEP	Class V Non-ASR	-	127	110	Biscayne	1/17/1983
9726	25° 46'	80° 11'	60136	MIAMI CENTER	FDEP	Class V Non-ASR	-	127	117	Biscayne	7/7/2003
9727	25° 46'	80° 11'	65450	FDOT STATE PROJECT NO.870006-3502	FDEP	Class V Non-ASR	-	127	87	Biscayne	1/14/1994
9728	25° 50'	80° 11'	64028	LITTLE RIVER BANK & TRUST	FDEP	Class V Non-ASR	-	127	118	Biscayne	9/27/1984
9729	25° 44'	80° 14'	88135	CORAL VIEW APARTMENTS	FDEP	Class V Non-ASR	-	127	111	Biscayne	9/18/2001
9730	25° 47'	80° 11'	88494	MIAMI-DADE COUNTY PERFORMING ARTS CENTER	FDEP	Class V Non-ASR	-	127	111	Biscayne	1/29/2002
9731	25° 48'	80° 11'	91598	THE BLUE CONDOMINIUM	FDEP	Class V Non-ASR	-	127	90	Biscayne	1/29/2004
9732	25° 45'	80° 11'	93159	PLAZA ON BRICKELL	FDEP	Class V Non-ASR	-	127	100	Biscayne	7/21/2005
9733	25° 47'	80° 11'	92409	I-395 SURFACE PARKING LOT	FDEP	Class V Non-ASR	-	127	112	Biscayne	11/18/2004
9734	25° 46'	80° 11'	93227	50 BISCAYNE	FDEP	Class V Non-ASR	-	127	100	Biscayne	9/12/2005
9735	25° 48'	80° 11'	92747	MIDTOWN MIAMI PHASE I	FDEP	Class V Non-ASR	-	127	116	Biscayne	3/10/2005
9736	25° 45'	80° 11'	94704	PARK PLACE	FDEP	Class V Non-ASR	-	127	105	Biscayne	7/5/2007
9737	25° 46'	80° 11'	94708	BRICKELL FINANCIAL CENTRE	FDEP	Class V Non-ASR	-	127	77	Biscayne	8/21/2007
9738	25° 47'	80° 11'	94742	BRAMAN MOTORS LOT 1	FDEP	Class V Non-ASR	-	127	103	Biscayne	10/10/2007
9739	25° 53'	80° 7'	95058	ST REGIS RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	127	80	Biscayne	6/20/2008
9740	25° 53'	80° 7'	95058	ST REGIS RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	127	80	Biscayne	6/20/2008
9741	25° 53'	80° 7'	95058	ST REGIS RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	127	80	Biscayne	6/24/2008
9742	25° 47'	80° 12'	98611	UNIVERSITY OF MIAMI-LIFE SCIENCE PARK	FDEP	Class V Non-ASR	-	128	120	Biscayne	5/7/2010
9743	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	128	78	Biscayne	5/15/2014
9744	25° 48'	80° 12'	102055	NW 7TH AVE NW 8TH ST TO NW 36TH AVE	FDEP	Class V Non-ASR	-	128	120	Biscayne	2/13/2018
9745	25° 46'	80° 11'	56467	SW 6TH. STORM SEWER PROJ. B-5563	FDEP	Class V Non-ASR	-	128	109	Biscayne	12/28/1990
9746	25° 46'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	128	86	Biscayne	4/10/1993
9747	25° 53'	80° 7'	59517	PRU SHEL MAJESTIC TOWERS	FDEP	Class V Non-ASR	-	128	118	Biscayne	4/27/1995
9748	25° 46'	80° 12'	56991	CITY OF MIAMI -NORTH RIVER DRIVE	FDEP	Class V Non-ASR	-	128	48	Biscayne	1/12/1988
9749	25° 48'	80° 11'	59184	BAY PARK TOWERS	FDEP	Class V Non-ASR	-	128	98	Biscayne	7/15/1993
9750	25° 47'	80° 11'	59185	CHECKERS RESTAURANT	FDEP	Class V Non-ASR	-	128	105	Biscayne	5/19/1993
9751	25° 45'	80° 8'	57882	FISHER ISLAND HARBOR VIEW BLDGS 1-4	FDEP	Class V Non-ASR	-	128	76	Biscayne	11/30/1989
9752	25° 42'	80° 16'	60222	ATRIUM AT CORAL GABLES WELLS 1-4	FDEP	Class V Non-ASR	-	128	101	Biscayne	10/20/1982
9753	25° 42'	80° 16'	60222	ATRIUM AT CORAL GABLES WELLS 1-4	FDEP	Class V Non-ASR	-	128	100	Biscayne	10/22/1982
9754	25° 47'	80° 8'	60250	ALTON STAR CONDO.	FDEP	Class V Non-ASR	-	128	110	Biscayne	1/15/1986
9755	25° 46'	80° 11'	60334	COURVOISIER CENTRE	FDEP	Class V Non-ASR	-	128	110	Biscayne	1/15/1986
9756	25° 45'	80° 15'	60351	CREDIT BANK HEADQUARTS	FDEP	Class V Non-ASR	-	128	96	Biscayne	3/1/1985
9757	25° 50'	80° 11'	61456	RAINFORTH, SELDEN	FDEP	Class V Non-ASR	-	128	125	Biscayne	7/19/1984
9758	25° 44'	80° 15'	61554	SOUTHERN BELL	FDEP	Class V Non-ASR	-	128	101	Biscayne	7/20/1984
9759	25° 43'	80° 14'	83658	RITZ CARLTON HOTEL/TOWER RESIDENCES, INC.	FDEP	Class V Non-ASR	-	128	89	Biscayne	12/1/2000
9760	25° 47'	80° 11'	90216	NEW BODY SHOP/PARKING STRUCTURE	FDEP	Class V Non-ASR	-	128	93	Biscayne	1/13/2003
9761	25° 45'	80° 11'	88816	BRICKELL VIEW	FDEP	Class V Non-ASR	-	128	89	Biscayne	9/30/2003
9762	25° 45'	80° 11'	93159	PLAZA ON BRICKELL	FDEP	Class V Non-ASR	-	128	96	Biscayne	8/3/2005
9763	25° 46'	80° 11'	93183	EVERGLADES ON THE BAY	FDEP	Class V Non-ASR	-	128	103	Biscayne	7/18/2005
9764	25° 38'	80° 17'	94605	DEERING BAY YACHT & COUNTRY CLUB	FDEP	Class V Non-ASR	-	128	68	Biscayne	9/19/2007
9765	25° 46'	80° 11'	94708	BRICKELL FINANCIAL CENTRE	FDEP	Class V Non-ASR	-	128	78	Biscayne	7/11/2007
9766	25° 46'	80° 11'	94708	BRICKELL FINANCIAL CENTRE	FDEP	Class V Non-ASR	-	128	80	Biscayne	7/15/2008
9767	25° 46'	80° 11'	103149	LUMA TOWER RESIDENCE & BLOCK H RETAIL	FDEP	Class V Non-ASR	-	128	90	Biscayne	4/26/2019
9768	25° 46'	80° 11'	103149	LUMA TOWER RESIDENCE & BLOCK H RETAIL	FDEP	Class V Non-ASR	-	128	95	Biscayne	4/26/2019
9769	25° 46'	80° 11'	103149	LUMA TOWER RESIDENCE & BLOCK H RETAIL	FDEP	Class V Non-ASR	-	128	95	Biscayne	6/1/2019
9770	25° 46'	80° 11'	103149	LUMA TOWER RESIDENCE & BLOCK H RETAIL	FDEP	Class V Non-ASR	-	128	96	Biscayne	6/4/2019
9771	25° 52'	80° 7'	103280	8955 COLLINS	FDEP	Class V Non-ASR	-	128	90	Biscayne	11/28/2017
9772	25° 44'	80° 16'	104342	ANTHONY F. MACINA - THE NEW BILTMORE	FDEP	Class V Non-ASR	-	128	94	Biscayne	1/1/1970
9773	25° 45'	80° 11'	57676	THE ISLAND CLUB	FDEP	Class V Non-ASR	-	129	105	Biscayne	8/15/1988
9774	25° 50'	80° 10'	57114	BELLE MEADE STORM SEWER PH II A	FDEP	Class V Non-ASR	-	129	100	Biscayne	2/13/1995
9775	25° 46'	80° 11'	57797	BISCAYNE VIEW APARTMENTS	FDEP	Class V Non-ASR	-	129	89	Biscayne	4/5/1989
9776	25° 53'	80° 7'	60229	FORT HARBOR CONCOURSE PLAZA	FDEP	Class V Non-ASR	-	129	121	Biscayne	6/25/1982
9777	25° 50'	80° 11'	60569	ARKIN CONSTRUCTION CO.	FDEP	Class V Non-ASR	-	129	112	Biscayne	7/31/1984
9778	25° 50'	80° 11'	60741	BISCAYNE HOSPITAL	FDEP	Class V Non-ASR	-	129	112	Biscayne	8/10/1984
9779	25° 46'	80° 12'	65315	I-95 RAMP WIDENING	FDEP	Class V Non-ASR	-	129	117	Biscayne	7/10/1986
9780	25° 45'	80° 11'	65527	FDOT 87054-3502 SW 2 AVE. - SW 1 AVE.	FDEP	Class V Non-ASR	-	129	101	Biscayne	4/16/1987
9781	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	129	94	Biscayne	10/23/1999
9782	25° 45'	80° 7'	85435	CONTINUUM ON SOUTH BEACH	FDEP	Class V Non-ASR	-	129	87	Biscayne	5/22/2000
9783	25° 52'	80° 11'	87995	CENTER FOR THE ARTS AND CAMPUS GARAGE	FDEP	Class V Non-ASR	-	129	123	Biscayne	7/13/2005
9784	25° 45'	80° 11'	89456	BRICKELL BAY VILLAGE APTS.	FDEP	Class V Non-ASR	-	129	112	Biscayne	7/30/2002
9785	25° 48'	80° 7'	93097	CROWN HOTEL	FDEP	Class V Non-ASR	-	129	106	Biscayne	2/21/2006
9786	25° 46'	80° 11'	93183	EVERGLADES ON THE BAY	FDEP	Class V Non-ASR	-	129	95	Biscayne	7/12/2005
9787	25° 48'	80° 11'	92747	MIDTOWN MIAMI PHASE I	FDEP	Class V Non-ASR	-	129	115	Biscayne	3/24/2005
9788	25° 47'	80° 11'	93535	THE MARQUIS	FDEP	Class V Non-ASR	-	129	96	Biscayne	5/5/2006
9789	25° 47'	80° 8'	94908	CAPRI ON THE BAY	FDEP	Class V Non-ASR	-	129	107	Biscayne	3/21/2008
9790	25° 38'	80° 17'	94605	DEERING BAY YACHT & COUNTRY CLUB	FDEP	Class V Non-ASR	-	129	71	Biscayne	9/26/2007
9791	25° 43'	80° 14'	97725	SAINT STEPHENS MAIN HIGHWAY PAVILION	FDEP	Class V Non-ASR	-	130	85	Biscayne	8/1/2009
9792	25° 53'	80° 7'	101759	CHATEAU OCEAN	FDEP	Class V Non-ASR	-	130	90	Biscayne	6/5/2014

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
9793	25° 48'	80° 11'	101869	PARAISO BAY	FDEP	Class V Non-ASR	-	130	100	Biscayne	8/22/2014
9794	25° 44'	80° 15'	100576	REX ART RESIDENCES	FDEP	Class V Non-ASR	-	130	97	Biscayne	6/20/2013
9795	25° 47'	80° 9'	100469	CITY OF MIAMI - SAN MARCO ISLAND	FDEP	Class V Non-ASR	-	130	88	Biscayne	5/15/2012
9796	25° 47'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	130	92	Biscayne	6/16/2010
9797	25° 47'	80° 12'	98836	CAMILLUS HOUSE, INC.	FDEP	Class V Non-ASR	-	130	100	Biscayne	8/27/2010
9798	25° 44'	80° 15'	102070	ALOFT HOTEL	FDEP	Class V Non-ASR	-	130	105	Biscayne	12/11/2014
9799	25° 52'	80° 7'	101769	SURF CLUB (SC TRUST LLC)	FDEP	Class V Non-ASR	-	130	83	Biscayne	3/28/2014
9800	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	130	78	Biscayne	5/6/2014
9801	25° 45'	80° 14'	56813	INTER AMERICAN CAMPUS	FDEP	Class V Non-ASR	-	130	100	Biscayne	6/13/1999
9802	25° 45'	80° 14'	56813	INTER AMERICAN CAMPUS	FDEP	Class V Non-ASR	-	130	100	Biscayne	6/15/1999
9803	25° 53'	80° 9'	57542	SPINNAKER MARINE	FDEP	Class V Non-ASR	-	130	101	Biscayne	4/10/1988
9804	25° 45'	80° 11'	57676	THE ISLAND CLUB	FDEP	Class V Non-ASR	-	130	100	Biscayne	9/1/1988
9805	25° 46'	80° 11'	57771	COURVOISIER CENTRE II	FDEP	Class V Non-ASR	-	130	104	Biscayne	3/16/1989
9806	25° 43'	80° 14'	57778	GROVE PEACOCK PLAZA	FDEP	Class V Non-ASR	-	130	82	Biscayne	4/6/1986
9807	25° 45'	80° 11'	58630	BRISTOL TOWER CONDOMINIUM	FDEP	Class V Non-ASR	-	130	95	Biscayne	9/18/1993
9808	25° 45'	80° 8'	58031	FISHER ISLAND GOLF COURSE	FDEP	Class V Non-ASR	-	130	92	Biscayne	2/7/1990
9809	25° 45'	80° 15'	58727	FRANKLIN INTERNATIONAL PLAZA	FDEP	Class V Non-ASR	-	130	110	Biscayne	9/25/1991
9810	25° 48'	80° 13'	60997	CONGER LIFE INSURANCE CO.	FDEP	Class V Non-ASR	-	130	0	Biscayne	8/23/1984
9811	25° 50'	80° 7'	60294	MAISON GRANDE	FDEP	Class V Non-ASR	-	130	105	Biscayne	1/31/1984
9812	25° 48'	80° 16'	61308	EASTERN AIRLINES	FDEP	Class V Non-ASR	-	130	0	Biscayne	9/10/1984
9813	25° 48'	80° 16'	61308	EASTERN AIRLINES	FDEP	Class V Non-ASR	-	130	0	Biscayne	9/10/1984
9814	25° 50'	80° 11'	62121	HARVEY, GORDON C.	FDEP	Class V Non-ASR	-	130	120	Biscayne	9/19/1984
9815	25° 48'	80° 11'	60814	PLUMER, C. M.	FDEP	Class V Non-ASR	-	130	124	Biscayne	5/2/1980
9816	25° 48'	80° 11'	60108	RICHARD PLUMER COMPANY	FDEP	Class V Non-ASR	-	130	124	Biscayne	1/8/1985
9817	25° 51'	80° 11'	62499	COLBERT, FLOYD	FDEP	Class V Non-ASR	-	130	0	Biscayne	10/8/1984
9818	25° 51'	80° 11'	62513	FOOD PLACE, INC.	FDEP	Class V Non-ASR	-	130	127	Biscayne	10/11/1984
9819	25° 50'	80° 12'	63475	HOUSING AUTHORITY	FDEP	Class V Non-ASR	-	130	0	Biscayne	7/9/1984
9820	25° 50'	80° 12'	63476	HOUSING AUTHORITY	FDEP	Class V Non-ASR	-	130	0	Biscayne	7/9/1984
9821	25° 49'	80° 11'	63478	JACOBSEN HOWARD	FDEP	Class V Non-ASR	-	130	122	Biscayne	7/9/1984
9822	25° 52'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	130	87	Biscayne	7/28/1994
9823	25° 52'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	130	84	Biscayne	7/28/1994
9824	25° 46'	80° 11'	83652	WOLFSON CAMPUS PARKING GARAGE	FDEP	Class V Non-ASR	-	130	104	Biscayne	7/30/1999
9825	25° 48'	80° 11'	91598	THE BLUE CONDOMINIUM	FDEP	Class V Non-ASR	-	130	116	Biscayne	2/3/2004
9826	25° 51'	80° 7'	92476	CARILLON HOTEL	FDEP	Class V Non-ASR	-	130	91	Biscayne	12/6/2004
9827	25° 45'	80° 15'	91187	ALHAMBRA GRAND PLAZA	FDEP	Class V Non-ASR	-	130	100	Biscayne	8/28/2003
9828	25° 45'	80° 15'	91187	ALHAMBRA GRAND PLAZA	FDEP	Class V Non-ASR	-	130	100	Biscayne	8/14/2003
9829	25° 46'	80° 11'	92759	FPL KNOWLTON SUBSTATION	FDEP	Class V Non-ASR	-	130	120	Biscayne	8/10/2005
9830	25° 46'	80° 11'	92759	FPL KNOWLTON SUBSTATION	FDEP	Class V Non-ASR	-	130	120	Biscayne	7/13/2005
9831	25° 46'	80° 11'	93651	500 BRICKELL	FDEP	Class V Non-ASR	-	130	114	Biscayne	5/29/2006
9832	25° 53'	80° 9'	95559	SR 922 NE 123 ST (BISCAYNE BLVD TO BAYSHORE DR.)	FDEP	Class V Non-ASR	-	130	88	Biscayne	2/26/2009
9833	25° 45'	80° 11'	94704	PARK PLACE	FDEP	Class V Non-ASR	-	130	95	Biscayne	6/14/2007
9834	25° 53'	80° 7'	95058	ST REGIS RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	130	80	Biscayne	5/28/2008
9835	25° 47'	80° 7'	95349	SHARON HOTEL	FDEP	Class V Non-ASR	-	130	100	Biscayne	2/27/1994
9836	25° 44'	80° 15'	105171	THE PLAZA CORAL GABLES	FDEP	Class V Non-ASR	-	130	105	Biscayne	4/25/2018
9837	25° 46'	80° 9'	103236	CASA 257 PALM	FDEP	Class V Non-ASR	-	130	76	Biscayne	3/7/2019
9838	25° 48'	80° 11'	104503	100 NW 25TH ST	FDEP	Class V Non-ASR	-	130	76	Biscayne	7/1/2019
9839	25° 46'	80° 11'	103149	LUMA TOWER RESIDENCE & BLOCK H RETAIL	FDEP	Class V Non-ASR	-	130	96	Biscayne	6/2/2019
9840	25°	47° 80'	105873	MIAMI WOMAN'S CLUB	FDEP	Class V Non-ASR	-	130	76	Biscayne	3/7/2019
9841	25°	47° 80'	105873	MIAMI WOMAN'S CLUB	FDEP	Class V Non-ASR	-	130	76	Biscayne	7/1/2019
9842	25° 48'	80° 11'	105054	COMMERCIAL RETAIL AT 36TH ST	FDEP	Class V Non-ASR	-	130	110	Biscayne	1/20/2019
9843	25° 46'	80° 11'	106121	X BISCAYNE	FDEP	Class V Non-ASR	-	130	112	Biscayne	8/26/2019
9844	25° 46'	80° 11'	106021	YOTEL HOTEL & RESIDENCES	FDEP	Class V Non-ASR	-	130	95	Biscayne	4/26/2019
9845	25° 53'	80° 9'	103720	127TH STREET SHOPPING CENTER	FDEP	Class V Non-ASR	-	130	76	Biscayne	11/29/2017
9846	25° 44'	80° 15'	102795	SEVILLA OFFICE BUILDING	FDEP	Class V Non-ASR	-	130	105	Biscayne	5/11/2016
9847	25° 47'	80° 12'	98611	UNIVERSITY OF MIAMI-LIFE SCIENCE PARK	FDEP	Class V Non-ASR	-	131	121	Biscayne	3/9/2010
9848	25° 52'	80° 7'	99087	SURFSIDE COMMUNITY CENTER	FDEP	Class V Non-ASR	-	131	95	Biscayne	10/13/2010
9849	25° 47'	80° 12'	98836	CAMILLUS HOUSE, INC.	FDEP	Class V Non-ASR	-	131	100	Biscayne	9/3/2010
9850	25° 48'	80° 11'	102363	ONE BAY RESIDENCES	FDEP	Class V Non-ASR	-	131	108	Biscayne	6/23/2015
9851	25° 45'	80° 14'	57443	MIRACLE CENTER	FDEP	Class V Non-ASR	-	131	98	Biscayne	10/6/1987
9852	25° 46'	80° 11'	59584	TEQUESTA	FDEP	Class V Non-ASR	-	131	103	Biscayne	1/24/1995
9853	25° 44'	80° 15'	58981	BILL USSERY-MERCEDES BENZ	FDEP	Class V Non-ASR	-	131	93	Biscayne	2/25/1992
9854	25° 46'	80° 11'	57797	BISCAYNE VIEW APARTMENTS	FDEP	Class V Non-ASR	-	131	78	Biscayne	3/2/1989
9855	25° 45'	80° 8'	57882	FISHER ISLAND HARBOR VIEW BLDGS 1-4	FDEP	Class V Non-ASR	-	131	100	Biscayne	10/15/1989
9856	25° 48'	80° 11'	57888	LOCAL DRAINAGE PROJ.E-57,B-55 43	FDEP	Class V Non-ASR	-	131	105	Biscayne	11/21/1989
9857	25° 45'	80° 11'	65406	FLA. DOT SE 15TH RD & SE14TH ST	FDEP	Class V Non-ASR	-	131	98	Biscayne	10/26/1988
9858	25° 50'	80° 11'	64028	LITTLE RIVER BANK & TRUST	FDEP	Class V Non-ASR	-	131	122	Biscayne	9/27/1984
9859	25° 51'	80° 11'	87743	PUBLIX STORE # 132	FDEP	Class V Non-ASR	-	131	107	Biscayne	8/30/2001
9860	25° 47'	80° 11'	88345	METROMIX PLANT 3	FDEP	Class V Non-ASR	-	131	97	Biscayne	8/7/2002
9861	25° 51'	80° 7'	92476	CARILLON HOTEL	FDEP	Class V Non-ASR	-	131	104	Biscayne	9/12/2006
9862	25° 46'	80° 11'	93227	50 BISCAYNE	FDEP	Class V Non-ASR	-	131	108	Biscayne	8/31/2005
9863	25° 47'	80° 11'	93234	OPERA TOWER	FDEP	Class V Non-ASR	-	131	80	Biscayne	10/19/2005
9864	25° 47'	80° 11'	93234	OPERA TOWER	FDEP	Class V Non-ASR	-	131	80	Biscayne	4/24/2007
9865	25° 44'	80° 14'	93362	MIDTOWN LOFTS	FDEP	Class V Non-ASR	-	131	118	Biscayne	6/23/2006
9866	25° 53'	80° 7'	95058	ST REGIS RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	131	80	Biscayne	5/27/2008
9867	25° 53'	80° 7'	95058	ST REGIS RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	131	80	Biscayne	5/29/2008
9868	25° 52'	80° 7'	99087	SURFSIDE COMMUNITY CENTER	FDEP	Class V Non-ASR	-	132	95	Biscayne	10/6/2010
9869	25° 47'	80° 11'	102121	ONE THOUSAND MUSEUM	FDEP	Class V Non-ASR	-	132	93	Biscayne	5/6/2015
9870	25° 47'	80° 11'	102121	ONE THOUSAND MUSEUM	FDEP	Class V Non-ASR	-	132	93	Biscayne	4/28/2015
9871	25° 48'	80° 11'	101881	BISCAYNE BEACH	FDEP	Class V Non-ASR	-	132	100	Biscayne	8/23/2014
9872	25° 47'	80° 11'	98396	N. BAYSHORE DR. STORMWATER DRAIANGE B-50658	FDEP	Class V Non-ASR	-	132	92	Biscayne	7/27/2009
9873	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	132	90	Biscayne	8/14/2013
9874	25° 49'	80° 10'	56477	CITY OF MIAMI, PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	132	81	Biscayne	9/5/1991
9875	25° 46'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	132	114	Biscayne	12/21/1992
9876	25° 46'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	132	110	Biscayne	2/4/1993
9877	25° 51'	80° 7'	58837	THE STERLING	FDEP	Class V Non-ASR	-	132	108	Biscayne	12/3/1991
9878	25° 50'	80° 7'	60210	ST. FRANCIS HOSPITAL, INC.	FDEP	Class V Non-ASR	-	132	114	Biscayne	2/22/1983
9879	25° 51'	80° 11'	61671	MCQUILLAN, T.O.	FDEP	Class V Non-ASR	-	132	128	Biscayne	8/16/1985
9880	25° 50'	80° 11'	64248	MIA. DYE WORKS	FDEP	Class V Non-ASR	-	132	124	Biscayne	10/22/1984
9881	25° 45'	80° 11'	65406	FLA. DOT SE 15TH RD & SE14TH ST	FDEP	Class V Non-ASR	-	132	96	Biscayne	10/27/1988

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
9882	25° 46'	80° 13'	85178	STATE ROAD 836	FDEP	Class V Non-ASR	-	132	123	Biscayne	12/6/2000
9883	25° 47'	80° 11'	87446	SOUTH FLORIDA EDUCATIONAL FEDERAL CREDIT UNION	FDEP	Class V Non-ASR	-	132	92	Biscayne	6/12/2001
9884	25° 45'	80° 15'	85514	HOUSTON'S RESTAURANT	FDEP	Class V Non-ASR	-	132	103	Biscayne	5/16/2000
9885	25° 51'	80° 11'	90798	THE CHURCH OF JESUS CHRIST OF THE LATTER DAY SAINT	FDEP	Class V Non-ASR	-	132	104	Biscayne	5/21/2003
9886	25° 47'	80° 11'	93422	900 BISCAYNE BAY	FDEP	Class V Non-ASR	-	132	103	Biscayne	3/5/2009
9887	25° 44'	80° 15'	92210	PONCE RESTAURANT	FDEP	Class V Non-ASR	-	132	112	Biscayne	6/20/2005
9888	25° 48'	80° 11'	94427	SHOPS AT MIDTOWN MIAMI-CDD	FDEP	Class V Non-ASR	-	132	113	Biscayne	12/5/2006
9889	25° 44'	80° 14'	94453	LUXOR RESIDENTS	FDEP	Class V Non-ASR	-	132	117	Biscayne	10/24/2006
9890	25° 42'	80° 16'	94592	SANTONA CORNER	FDEP	Class V Non-ASR	-	132	77	Biscayne	1/31/2007
9891	25° 47'	80° 8'	94024	VENETIAN ISLAND NEIGHBORHOOD 13 BELLE ISLE	FDEP	Class V Non-ASR	-	132	109	Biscayne	9/25/2006
9892	25° 47'	80° 8'	94024	VENETIAN ISLAND NEIGHBORHOOD 13 BELLE ISLE	FDEP	Class V Non-ASR	-	132	108	Biscayne	9/19/2006
9893	25° 53'	80° 7'	95058	ST REGIS RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	132	83	Biscayne	2/23/2011
9894	25° 53'	80° 7'	95058	ST REGIS RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	132	90	Biscayne	7/9/2009
9895	25° 48'	80° 11'	104736	MIDTOWN 8	FDEP	Class V Non-ASR	-	132	116	Biscayne	1/18/2018
9896	25° 47'	80° 11'	102121	ONE THOUSAND MUSEUM	FDEP	Class V Non-ASR	-	133	93	Biscayne	5/12/2015
9897	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	133	76	Biscayne	6/23/2010
9898	25° 47'	80° 11'	98396	N. BAYSHORE DR. STORMWATER DRAIANGE B-50658	FDEP	Class V Non-ASR	-	133	93	Biscayne	7/30/2009
9899	25° 39'	80° 17'	101195	PINE NEEDLE LANE & ROCK GARDEN LANE	FDEP	Class V Non-ASR	-	133	78	Biscayne	5/2/2014
9900	25° 47'	80° 11'	57437	MIAMI HERALD BUILDING	FDEP	Class V Non-ASR	-	133	122	Biscayne	10/26/1987
9901	25° 45'	80° 12'	59240	LOMBARDA I & II APARTMENT BUILDINGS	FDEP	Class V Non-ASR	-	133	126	Biscayne	10/2/1993
9902	25° 48'	80° 11'	65408	FDOT JULIA TUTTLE CAUSEWAY	FDEP	Class V Non-ASR	-	133	87	Biscayne	11/14/1989
9903	25° 53'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/955T]	FDEP	Class V Non-ASR	-	133	89	Biscayne	7/28/1994
9904	25° 43'	80° 14'	83658	RITZ CARLTON HOTEL/TOWER RESIDENCES, INC.	FDEP	Class V Non-ASR	-	133	107	Biscayne	11/9/2000
9905	25° 54'	80° 9'	89623	ARCH CREEK ESTATES PH. I & II	FDEP	Class V Non-ASR	-	133	117	Biscayne	8/6/2003
9906	25° 45'	80° 11'	92640	1110 BRICKELL BUILDING	FDEP	Class V Non-ASR	-	133	90	Biscayne	2/2/2005
9907	25° 48'	80° 11'	92729	ONYX - I	FDEP	Class V Non-ASR	-	133	103	Biscayne	2/25/2005
9908	25° 51'	80° 8'	57123	CALAIS DRIVE	FDEP	Class V Non-ASR	-	134	97	Biscayne	9/11/1998
9909	25° 45'	80° 8'	57882	FISHER ISLAND HARBOR VIEW BLDGS 1-4	FDEP	Class V Non-ASR	-	134	102	Biscayne	10/1/1989
9910	25° 45'	80° 8'	57882	FISHER ISLAND HARBOR VIEW BLDGS 1-4	FDEP	Class V Non-ASR	-	134	98	Biscayne	9/21/1989
9911	25° 48'	80° 8'	65408	FDOT JULIA TUTTLE CAUSEWAY	FDEP	Class V Non-ASR	-	134	66	Biscayne	5/12/1989
9912	25° 50'	80° 11'	65464	FDOT 87030-3581 NE77 ST - NE78 ST	FDEP	Class V Non-ASR	-	134	100	Biscayne	2/14/1996
9913	25° 46'	80° 13'	85178	STATE ROAD 836	FDEP	Class V Non-ASR	-	134	105	Biscayne	6/6/2001
9914	25° 46'	80° 13'	85178	STATE ROAD 836	FDEP	Class V Non-ASR	-	134	110	Biscayne	6/8/2001
9915	25° 52'	80° 11'	87995	CENTER FOR THE ARTS AND CAMPUS GARAGE	FDEP	Class V Non-ASR	-	134	105	Biscayne	7/31/2002
9916	25° 44'	80° 15'	99587	THE PALACE AT CORAL GABLES	FDEP	Class V Non-ASR	-	135	106	Biscayne	10/7/2011
9917	25° 44'	80° 15'	100576	REX ART RESIDENCES	FDEP	Class V Non-ASR	-	135	105	Biscayne	6/25/2013
9918	25° 45'	80° 11'	102135	SLS LUX	FDEP	Class V Non-ASR	-	135	90	Biscayne	2/20/2015
9919	25° 44'	80° 15'	99635	THE BUILDING ON PONCE	FDEP	Class V Non-ASR	-	135	105	Biscayne	12/9/2011
9920	25° 46'	80° 13'	101134	HAVANA TOWER	FDEP	Class V Non-ASR	-	135	93	Biscayne	4/20/2013
9921	25° 44'	80° 15'	58981	BILL USSERY-MERCEDES BENZ	FDEP	Class V Non-ASR	-	135	93	Biscayne	2/25/1992
9922	25° 44'	80° 15'	58981	BILL USSERY-MERCEDES BENZ	FDEP	Class V Non-ASR	-	135	92	Biscayne	2/25/1992
9923	25° 47'	80° 8'	57076	MIAMI, CITY OF, FLAMINGO PARK	FDEP	Class V Non-ASR	-	135	82	Biscayne	10/18/1994
9924	25° 45'	80° 8'	57882	FISHER ISLAND HARBOR VIEW BLDGS 1-4	FDEP	Class V Non-ASR	-	135	98	Biscayne	9/3/1989
9925	25° 48'	80° 7'	61031	CROYDON ARMS HOTEL	FDEP	Class V Non-ASR	-	135	126	Biscayne	8/27/1984
9926	25° 45'	80° 15'	61812	VARSITY CLEANERS	FDEP	Class V Non-ASR	-	135	0	Biscayne	8/2/1984
9927	25° 47'	80° 7'	61999	WOFFORD BEACH HOTEL	FDEP	Class V Non-ASR	-	135	128	Biscayne	8/13/1984
9928	25° 48'	80° 7'	62472	FLA. POWER & LIGHT	FDEP	Class V Non-ASR	-	135	134	Biscayne	9/28/1984
9929	25° 50'	80° 12'	62479	FLORIDA RUBBER CORP.	FDEP	Class V Non-ASR	-	135	110	Biscayne	10/4/1984
9930	25° 50'	80° 11'	63829	JOYCE PROPERTIES	FDEP	Class V Non-ASR	-	135	129	Biscayne	8/13/1984
9931	25° 45'	80° 15'	63954	LASALLE CLEAN & LAUNDRY	FDEP	Class V Non-ASR	-	135	100	Biscayne	9/25/1984
9932	25° 48'	80° 7'	65437	STATE ROAD A1A /INDIAN CREEK DRIVE	FDEP	Class V Non-ASR	-	135	112	Biscayne	2/24/1992
9933	25° 50'	80° 11'	63167	BORDEN CONSUMER PRODUCTS D & S	FDEP	Class V Non-ASR	-	135	131	Biscayne	12/27/1984
9934	25° 48'	80° 12'	63282	MCARTHUR DAIRY INC.	FDEP	Class V Non-ASR	-	135	100	Biscayne	1/14/1985
9935	25° 46'	80° 13'	84913	CITRUS GROVE ELEMENTARY SCHOOL	FDEP	Class V Non-ASR	-	135	95	Biscayne	4/21/2000
9936	25° 52'	80° 11'	87995	CENTER FOR THE ARTS AND CAMPUS GARAGE	FDEP	Class V Non-ASR	-	135	120	Biscayne	7/9/2015
9937	25° 55'	80° 8'	95477	STATE SCHOOL QQQ-1	FDEP	Class V Non-ASR	-	135	110	Biscayne	11/4/2008
9938	25° 50'	80° 11'	93058	THE BANK	FDEP	Class V Non-ASR	-	135	110	Biscayne	7/6/2006
9939	25° 47'	80° 7'	91692	FIRE STATION # 2	FDEP	Class V Non-ASR	-	135	116	Biscayne	6/13/2005
9940	25° 48'	80° 11'	93259	STAR LOFTS CONDMINIUM	FDEP	Class V Non-ASR	-	135	104	Biscayne	8/3/2006
9941	25° 47'	80° 11'	93422	900 BISCAYNE BAY	FDEP	Class V Non-ASR	-	135	102	Biscayne	11/7/2005
9942	25° 50'	80° 11'	91385	AUTOZONE, INC.	FDEP	Class V Non-ASR	-	135	114	Biscayne	10/29/2003
9943	25° 47'	80° 11'	94044	THE MARQUIS	FDEP	Class V Non-ASR	-	135	100	Biscayne	5/3/2006
9944	25° 46'	80° 13'	94877	BARCELONA CONDOMINIUM, LLC	FDEP	Class V Non-ASR	-	135	125	Biscayne	1/28/2009
9945	25° 46'	80° 12'	102674	FLAGLER AT THE RIVER RESTAURANT	FDEP	Class V Non-ASR	-	135	96	Biscayne	7/12/2016
9946	25° 44'	80° 15'	105171	THE PLAZA CORAL GABLES	FDEP	Class V Non-ASR	-	135	100	Biscayne	4/13/2018
9947	25° 44'	80° 15'	105171	THE PLAZA CORAL GABLES	FDEP	Class V Non-ASR	-	135	100	Biscayne	4/13/2018
9948	25° 44'	80° 15'	105171	THE PLAZA CORAL GABLES	FDEP	Class V Non-ASR	-	135	105	Biscayne	5/8/2018
9949	25° 44'	80° 15'	105171	THE PLAZA CORAL GABLES	FDEP	Class V Non-ASR	-	135	105	Biscayne	5/7/2018
9950	25° 50'	80° 10'	103309	MIAMI CITY SELF STORAGE	FDEP	Class V Non-ASR	-	135	120	Biscayne	4/20/2017
9951	25° 47'	80° 12'	105301	PUBLIC STORAGE BUILDING	FDEP	Class V Non-ASR	-	135	88	Biscayne	12/26/2018
9952	25° 44'	80° 15'	106188	THE PLAZA CORAL GABLES	FDEP	Class V Non-ASR	-	135	105	Biscayne	8/26/2019
9953	25° 47'	80° 12'	102445	FPL JACKSON SUBSTATION	FDEP	Class V Non-ASR	-	135	115	Biscayne	12/15/2015
9954	25° 45'	80° 12'	98439	HOTEL URBANO ON BRICKELL	FDEP	Class V Non-ASR	-	136	118	Biscayne	8/10/2009
9955	25° 44'	80° 15'	99587	THE PALACE AT CORAL GABLES	FDEP	Class V Non-ASR	-	136	106	Biscayne	8/16/2011
9956	25° 44'	80° 15'	100864	BRICKTOP'S	FDEP	Class V Non-ASR	-	136	106	Biscayne	1/4/2013
9957	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	136	116	Biscayne	7/30/2015
9958	25° 42'	80° 16'	99519	SUNSET OFFICE BUILDING	FDEP	Class V Non-ASR	-	136	96	Biscayne	2/23/2014
9959	25° 44'	80° 15'	57095	REPUBLIC NATIONAL BANK	FDEP	Class V Non-ASR	-	136	100	Biscayne	1/3/1996
9960	25° 45'	80° 11'	57846	CLAUGHTON ISLAND	FDEP	Class V Non-ASR	-	136	102	Biscayne	7/7/1989
9961	25° 53'	80° 7'	59447	THE PALACE AT BAL HARBOUR	FDEP	Class V Non-ASR	-	136	122	Biscayne	8/24/1994
9962	25° 44'	80° 9'	60296	UNIVERSITY OF MIAMI	FDEP	Class V Non-ASR	-	136	11	Biscayne	7/31/2013
9963	25° 49'	80° 11'	61391	SABAL PALM CT.	FDEP	Class V Non-ASR	-	136	131	Biscayne	7/18/1984
9964	25° 50'	80° 11'	63752	CANTON, JOHN C.	FDEP	Class V Non-ASR	-	136	0	Biscayne	8/1/1984
9965	25° 52'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/955T]	FDEP	Class V Non-ASR	-	136	85	Biscayne	7/28/1994
9966	25° 52'	80° 11'	87995	CENTER FOR THE ARTS AND CAMPUS GARAGE	FDEP	Class V Non-ASR	-	136	106	Biscayne	7/18/2002
9967	25° 53'	80° 9'	89404	HOME DEPOT-BISCAYNE BLVD.	FDEP	Class V Non-ASR	-	136	122	Biscayne	1/20/2003
9968	25° 47'	80° 11'	93234	OPERA TOWER	FDEP	Class V Non-ASR	-	136	115	Biscayne	9/20/2005
9969	25° 48'	80° 7'	92542	MOSAIC CONDOMINIUMS	FDEP	Class V Non-ASR	-	136	113	Biscayne	12/21/2004
9970	25° 46'	80° 11'	93422	900 BISCAYNE BAY	FDEP	Class V Non-ASR	-	136	102	Biscayne	10/1/2007

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Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
9971	25° 44'	80° 14'	93512	GROVE WAY CONDOMINIUM	FDEP	Class V Non-ASR	-	136	102	Biscayne	12/8/2005
9972	25° 54'	80° 8'	94086	STATE SCHOOL QQ1	FDEP	Class V Non-ASR	-	136	95	Biscayne	7/5/2006
9973	25° 54'	80° 8'	94086	STATE SCHOOL QQ1	FDEP	Class V Non-ASR	-	136	96	Biscayne	6/9/2006
9974	25° 47'	80° 12'	106115	ALLAPATTAH WAREHOUSE	FDEP	Class V Non-ASR	-	136	116	Biscayne	1/16/2020
9975	25° 48'	80° 11'	103550	WYNWOOD PROJECT	FDEP	Class V Non-ASR	-	136	114	Biscayne	5/22/2017
9976	25°	46° 80'	106353	RED ROOSTER RESTAURANT	FDEP	Class V Non-ASR	-	136	116	Biscayne	1/16/2020
9977	25° 44'	80° 15'	106188	THE PLAZA CORAL GABLES	FDEP	Class V Non-ASR	-	136	105	Biscayne	8/26/2019
9978	25° 44'	80° 15'	106188	THE PLAZA CORAL GABLES	FDEP	Class V Non-ASR	-	136	105	Biscayne	10/7/2019
9979	25° 48'	80° 11'	106399	WYNWOOD GREEN	FDEP	Class V Non-ASR	-	136	116	Biscayne	1/31/2020
9980	25° 43'	80° 15'	104973	THE HENRY	FDEP	Class V Non-ASR	-	136	87	Biscayne	4/16/2018
9981	25° 44'	80° 15'	104973	THE HENRY	FDEP	Class V Non-ASR	-	136	87	Biscayne	12/27/2017
9982	25° 46'	80° 11'	100943	CITY HEIGHTS APARTMENTS	FDEP	Class V Non-ASR	-	137	89	Biscayne	2/4/2013
9983	25° 42'	80° 16'	99519	SUNSET OFFICE BUILDING	FDEP	Class V Non-ASR	-	137	96	Biscayne	2/22/2013
9984	25° 42'	80° 16'	99519	SUNSET OFFICE BUILDING	FDEP	Class V Non-ASR	-	137	96	Biscayne	2/25/2013
9985	25° 47'	80° 7'	98916	CITY CENTER NEIGHBORHOOD 9A	FDEP	Class V Non-ASR	-	137	84	Biscayne	8/4/2010
9986	25° 46'	80° 11'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	137	105	Biscayne	1/28/1993
9987	25° 46'	80° 11'	59584	TEQUESTA	FDEP	Class V Non-ASR	-	137	100	Biscayne	1/24/1995
9988	25° 44'	80° 16'	58377	NEW FRENCH VILLAGE	FDEP	Class V Non-ASR	-	137	95	Biscayne	12/20/1990
9989	25° 47'	80° 13'	57030	PUBLIC RIGHT OF WAY --WAGNER CREEK	FDEP	Class V Non-ASR	-	137	90	Biscayne	4/15/1991
9990	25° 44'	80° 15'	57095	REPUBLIC NATIONAL BANK	FDEP	Class V Non-ASR	-	137	100	Biscayne	1/3/1996
9991	25° 43'	80° 14'	59315	AVIATION BUILDING AT COCOWALK	FDEP	Class V Non-ASR	-	137	80	Biscayne	11/11/1993
9992	25° 45'	80° 15'	59829	TWO-TWENTY ALHAMBRA CIRCLE	FDEP	Class V Non-ASR	-	137	100	Biscayne	7/9/1996
9993	25° 46'	80° 10'	59987	TQUESTA II AT BRICKELL KEY	FDEP	Class V Non-ASR	-	137	102	Biscayne	5/11/1998
9994	25° 48'	80° 7'	61650	SURREY HOTEL	FDEP	Class V Non-ASR	-	137	134	Biscayne	7/24/1984
9995	25° 49'	80° 11'	60920	CITIES SERVICE OIL COMPANY	FDEP	Class V Non-ASR	-	137	126	Biscayne	8/21/1984
9996	25° 46'	80° 11'	60194	BRICKELL KEY	FDEP	Class V Non-ASR	-	137	115	Biscayne	12/20/1981
9997	25° 45'	80° 11'	65406	FLA. DOT SE 15TH RD & SE14TH ST	FDEP	Class V Non-ASR	-	137	106	Biscayne	10/28/1988
9998	25° 47'	80° 11'	92474	TEN MUSEUM PARK	FDEP	Class V Non-ASR	-	137	117	Biscayne	6/13/2005
9999	25° 44'	80° 15'	92565	BENIHANA	FDEP	Class V Non-ASR	-	137	115	Biscayne	12/14/2004
10000	25° 46'	80° 12'	93402	DIAMOND APARTMENTS	FDEP	Class V Non-ASR	-	137	115	Biscayne	7/7/2006
10001	25° 45'	80° 15'	92648	55 MERRICK	FDEP	Class V Non-ASR	-	137	127	Biscayne	11/3/2005
10002	25° 48'	80° 11'	92729	ONYX - I	FDEP	Class V Non-ASR	-	137	105	Biscayne	3/15/2005
10003	25° 54'	80° 8'	94086	STATE SCHOOL QQ1	FDEP	Class V Non-ASR	-	137	95	Biscayne	6/28/2006
10004	25° 46'	80° 11'	104988	FLAGLER GRAN CENTRAL STATION	FDEP	Class V Non-ASR	-	137	116	Biscayne	12/16/2017
10005	25° 45'	80° 12'	105980	KLA ACADEMY	FDEP	Class V Non-ASR	-	137	97	Biscayne	9/19/2019
10006	25° 44'	80° 15'	99587	THE PALACE AT CORAL GABLES	FDEP	Class V Non-ASR	-	138	106	Biscayne	8/10/2011
10007	25° 44'	80° 15'	99587	THE PALACE AT CORAL GABLES	FDEP	Class V Non-ASR	-	138	106	Biscayne	10/7/2011
10008	25° 47'	80° 13'	56491	STORM SEWER RETRO. FIT. PROJ. B-5557	FDEP	Class V Non-ASR	-	138	93	Biscayne	2/25/1992
10009	25° 46'	80° 11'	58880	MIAMI RIVERSIDE CENTER	FDEP	Class V Non-ASR	-	138	120	Biscayne	9/5/1991
10010	25° 47'	80° 13'	57030	PUBLIC RIGHT OF WAY --WAGNER CREEK	FDEP	Class V Non-ASR	-	138	92	Biscayne	4/19/1991
10011	25° 45'	80° 15'	58021	C.B.D. DEVELOPMENT	FDEP	Class V Non-ASR	-	138	98	Biscayne	1/17/1990
10012	25° 47'	80° 11'	59635	HOMELESS ASSISTANCE CENTER	FDEP	Class V Non-ASR	-	138	121	Biscayne	5/17/1995
10013	25° 43'	80° 14'	59962	COCOWALK	FDEP	Class V Non-ASR	-	138	100	Biscayne	11/5/1997
10014	25° 46'	80° 11'	65322	BAYFRONT PARK REDEVELOPMENT - PH-11	FDEP	Class V Non-ASR	-	138	76	Biscayne	3/19/1986
10015	25° 47'	80° 7'	87989	VALET AT COLLINS PARK	FDEP	Class V Non-ASR	-	138	119	Biscayne	8/31/2001
10016	25° 52'	80° 11'	87995	CENTER FOR THE ARTS AND CAMPUS GARAGE	FDEP	Class V Non-ASR	-	138	118	Biscayne	7/15/2015
10017	25° 55'	80° 8'	95477	STATE SCHOOL QQQ-1	FDEP	Class V Non-ASR	-	138	105	Biscayne	10/23/2008
10018	25° 48'	80° 11'	92360	THE PLATINUM CONDOMINIUMS	FDEP	Class V Non-ASR	-	138	100	Biscayne	11/24/2004
10019	25° 46'	80° 11'	93422	900 BISCAYNE BAY	FDEP	Class V Non-ASR	-	138	102	Biscayne	11/17/2005
10020	25° 50'	80° 7'	93481	MEI CONDOMINIUM	FDEP	Class V Non-ASR	-	138	122	Biscayne	8/21/2006
10021	25° 47'	80° 11'	93535	THE MARQUIS	FDEP	Class V Non-ASR	-	138	100	Biscayne	5/4/2006
10022	25° 50'	80° 7'	95525	6020 NORTH BAY ROAD	FDEP	Class V Non-ASR	-	138	117	Biscayne	12/9/2008
10023	25° 47'	80° 8'	94908	CAPRI ON THE BAY	FDEP	Class V Non-ASR	-	138	97	Biscayne	1/15/2008
10024	25° 53'	80° 7'	95058	ST REGIS RESORT & RESIDENCES	FDEP	Class V Non-ASR	-	138	100	Biscayne	5/17/2008
10025	25° 47'	80° 11'	105326	LOTUS VILLAGE	FDEP	Class V Non-ASR	-	138	120	Biscayne	7/10/2018
10026	25° 45'	80° 15'	102902	GIRALDA COMPLEX, LLC	FDEP	Class V Non-ASR	-	138	116	Biscayne	7/22/2016
10027	25° 48'	80° 11'	98494	SR 5/US-1/BISCAYNE BLVD	FDEP	Class V Non-ASR	-	139	117	Biscayne	9/18/2010
10028	25° 46'	80° 11'	56494	CITY OF MIAMI B-4521 DTW IMP-PHASE II	FDEP	Class V Non-ASR	-	139	96	Biscayne	1/23/1992
10029	25° 47'	80° 12'	57030	PUBLIC RIGHT OF WAY --WAGNER CREEK	FDEP	Class V Non-ASR	-	139	107	Biscayne	3/26/1991
10030	25° 50'	80° 11'	63639	TOPAL, JACK	FDEP	Class V Non-ASR	-	139	135	Biscayne	7/19/1984
10031	25° 50'	80° 11'	63166	BORDEN CONSUMER PRODUCTS D & S	FDEP	Class V Non-ASR	-	139	128	Biscayne	12/27/1984
10032	25° 52'	80° 11'	65481	FDOT 87034-3504 SR 915-NE 6TH AVENUE	FDEP	Class V Non-ASR	-	139	107	Biscayne	10/8/1996
10033	25° 46'	80° 13'	85178	STATE ROAD 836	FDEP	Class V Non-ASR	-	139	105	Biscayne	12/3/2001
10034	25° 46'	80° 13'	85178	STATE ROAD 836	FDEP	Class V Non-ASR	-	139	105	Biscayne	9/19/2002
10035	25° 46'	80° 13'	85178	STATE ROAD 836	FDEP	Class V Non-ASR	-	139	105	Biscayne	12/3/2001
10036	25° 51'	80° 11'	86916	MIAMI SHORES VILLAGE/96TH ST. IMPROVEMENT	FDEP	Class V Non-ASR	-	139	123	Biscayne	3/2/2001
10037	25° 52'	80° 9'	88454	TOWNHOMES OF QUAYSIDE (BAYFRONT & LAKESIDE)	FDEP	Class V Non-ASR	-	139	129	Biscayne	1/9/2002
10038	25° 47'	80° 7'	90625	DE SOLEIL SOUTH BEACH	FDEP	Class V Non-ASR	-	139	110	Biscayne	2/11/2004
10039	25° 47'	80° 13'	92713	MIAMI RIVER OUTFALL RETROFIT BASIN 21	FDEP	Class V Non-ASR	-	139	116	Biscayne	7/13/2007
10040	25° 50'	80° 7'	93481	MEI CONDOMINIUM	FDEP	Class V Non-ASR	-	139	120	Biscayne	7/24/2006
10041	25° 47'	80° 11'	93535	THE MARQUIS	FDEP	Class V Non-ASR	-	139	120	Biscayne	5/13/2006
10042	25° 48'	80° 11'	93819	SHOPS AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	139	110	Biscayne	4/19/2006
10043	25° 43'	80° 15'	94751	MIAMI GREEN	FDEP	Class V Non-ASR	-	139	98	Biscayne	8/8/2007
10044	25° 45'	80° 15'	98467	396 ALHAMRA	FDEP	Class V Non-ASR	-	140	115	Biscayne	11/3/2009
10045	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	140	116	Biscayne	1/23/2016
10046	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	140	116	Biscayne	12/17/2015
10047	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	140	116	Biscayne	1/13/2016
10048	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	140	116	Biscayne	1/19/2016
10049	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	140	120	Biscayne	1/5/2016
10050	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	140	117	Biscayne	12/4/2015
10051	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	140	116	Biscayne	7/24/2015
10052	25° 46'	80° 12'	101394	FDOT DISTRICT VI	FDEP	Class V Non-ASR	-	140	100	Biscayne	7/21/2017
10053	25° 45'	80° 13'	102114	INTOWN CONDOMINIUMS	FDEP	Class V Non-ASR	-	140	100	Biscayne	4/3/2015
10054	25° 45'	80° 11'	101868	PUMP STATION # 3	FDEP	Class V Non-ASR	-	140	113	Biscayne	6/6/2014
10055	25° 48'	80° 11'	100658	4100 BUILDING	FDEP	Class V Non-ASR	-	140	120	Biscayne	1/1/1970
10056	25° 48'	80° 11'	100658	4100 BUILDING	FDEP	Class V Non-ASR	-	140	120	Biscayne	1/30/2015
10057	25° 47'	80° 12'	102055	NW 7TH AVE NW 8TH ST TO NW 36TH AVE	FDEP	Class V Non-ASR	-	140	120	Biscayne	10/16/2017
10058	25° 47'	80° 12'	102055	NW 7TH AVE NW 8TH ST TO NW 36TH AVE	FDEP	Class V Non-ASR	-	140	120	Biscayne	10/16/2017
10059	25° 47'	80° 12'	102055	NW 7TH AVE NW 8TH ST TO NW 36TH AVE	FDEP	Class V Non-ASR	-	140	120	Biscayne	4/5/2016

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
10060	25° 48'	80° 12'	102055	NW 7TH AVE NW 8TH ST TO NW 36TH AVE	FDEP	Class V Non-ASR	-	140	120	Biscayne	4/9/2016
10061	25° 48'	80° 12'	102055	NW 7TH AVE NW 8TH ST TO NW 36TH AVE	FDEP	Class V Non-ASR	-	140	120	Biscayne	4/18/2016
10062	25° 48'	80° 12'	102055	NW 7TH AVE NW 8TH ST TO NW 36TH AVE	FDEP	Class V Non-ASR	-	140	120	Biscayne	2/1/2018
10063	25° 48'	80° 12'	102055	NW 7TH AVE NW 8TH ST TO NW 36TH AVE	FDEP	Class V Non-ASR	-	140	120	Biscayne	9/20/2017
10064	25° 48'	80° 12'	102055	NW 7TH AVE NW 8TH ST TO NW 36TH AVE	FDEP	Class V Non-ASR	-	140	120	Biscayne	9/20/2017
10065	25° 45'	80° 11'	94794	NEVES RESIDENCE	FDEP	Class V Non-ASR	-	140	130	Biscayne	11/21/2007
10066	25° 46'	80° 11'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	140	124	Biscayne	6/7/1993
10067	25° 46'	80° 11'	58880	MIAMI RIVERSIDE CENTER	FDEP	Class V Non-ASR	-	140	120	Biscayne	9/9/1991
10068	25° 52'	80° 7'	59464	CHAMPLAIN TOWERS EAST	FDEP	Class V Non-ASR	-	140	106	Biscayne	7/28/1994
10069	25° 52'	80° 7'	59645	MIRAGE ON THE OCEAN	FDEP	Class V Non-ASR	-	140	103	Biscayne	5/17/1995
10070	25° 48'	80° 11'	62012	WPLG TV	FDEP	Class V Non-ASR	-	140	80	Biscayne	5/3/1994
10071	25° 48'	80° 11'	59890	ONE ART CENTER	FDEP	Class V Non-ASR	-	140	126	Biscayne	5/1/1997
10072	25° 50'	80° 11'	59869	MCARTHUR DAIRY	FDEP	Class V Non-ASR	-	140	103	Biscayne	9/12/1996
10073	25° 45'	80° 15'	59871	MERRICK PLACE (SHOPS & PARKING)	FDEP	Class V Non-ASR	-	140	100	Biscayne	10/23/1996
10074	25° 43'	80° 14'	59977	MUTINY CONDOMINIUMS	FDEP	Class V Non-ASR	-	140	100	Biscayne	12/30/1997
10075	25° 44'	80° 15'	61655	SWIFT & CO.	FDEP	Class V Non-ASR	-	140	0	Biscayne	8/16/1985
10076	25° 50'	80° 12'	63888	KNIGHT MANOR, INC.	FDEP	Class V Non-ASR	-	140	0	Biscayne	9/6/1984
10077	25° 50'	80° 12'	63889	KNIGHT MANOR, INC.	FDEP	Class V Non-ASR	-	140	0	Biscayne	9/6/1984
10078	25° 48'	80° 11'	65506	SR 112/I-195	FDEP	Class V Non-ASR	-	140	97	Biscayne	4/14/1998
10079	25° 45'	80° 12'	83642	THE METROPOLITAN	FDEP	Class V Non-ASR	-	140	114	Biscayne	8/23/1999
10080	25° 45'	80° 14'	88135	CORAL VIEW APARTMENTS	FDEP	Class V Non-ASR	-	140	100	Biscayne	9/25/2001
10081	25° 43'	80° 14'	88734	TRANSWESTERN COCOWALK	FDEP	Class V Non-ASR	-	140	80	Biscayne	8/1/2002
10082	25° 50'	80° 11'	88583	MCARTHUR DAIRY-DEAN FOODS PLANT	FDEP	Class V Non-ASR	-	140	104	Biscayne	4/3/2002
10083	25° 50'	80° 11'	88583	MCARTHUR DAIRY-DEAN FOODS PLANT	FDEP	Class V Non-ASR	-	140	104	Biscayne	4/10/2002
10084	25° 50'	80° 11'	88583	MCARTHUR DAIRY-DEAN FOODS PLANT	FDEP	Class V Non-ASR	-	140	104	Biscayne	4/12/2002
10085	25° 50'	80° 11'	88583	MCARTHUR DAIRY-DEAN FOODS PLANT	FDEP	Class V Non-ASR	-	140	104	Biscayne	7/5/2002
10086	25° 50'	80° 11'	88583	MCARTHUR DAIRY-DEAN FOODS PLANT	FDEP	Class V Non-ASR	-	140	104	Biscayne	5/8/2002
10087	25° 50'	80° 11'	88583	MCARTHUR DAIRY-DEAN FOODS PLANT	FDEP	Class V Non-ASR	-	140	104	Biscayne	5/20/2002
10088	25° 47'	80° 13'	92322	SANTA CLARA APARTMENTS PHASE II	FDEP	Class V Non-ASR	-	140	111	Biscayne	12/29/2004
10089	25° 48'	80° 12'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	140	120	Biscayne	8/28/2006
10090	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	140	120	Biscayne	9/12/2005
10091	25° 47'	80° 13'	94510	RIVER OAKS CONDOMINIUM	FDEP	Class V Non-ASR	-	140	105	Biscayne	1/23/2008
10092	25° 53'	80° 10'	103580	JACK GOLDING	FDEP	Class V Non-ASR	-	140	76	Biscayne	3/7/2019
10093	25°	47° 80'	105873	MIAMI WOMAN'S CLUB	FDEP	Class V Non-ASR	-	140	76	Biscayne	3/7/2019
10094	25° 45'	80° 14'	102668	MIAMI DADE COLLEGE INTERAMERICAN CAMPUS	FDEP	Class V Non-ASR	-	140	115	Biscayne	6/3/2016
10095	25° 53'	80° 9'	103720	127TH STREET SHOPPING CENTER	FDEP	Class V Non-ASR	-	140	76	Biscayne	11/29/2017
10096	25° 46'	80° 11'	106081	SOLESTE GRAND CENTRAL	FDEP	Class V Non-ASR	-	140	84	Biscayne	8/16/2019
10097	25° 48'	80° 11'	106399	WYNWOOD GREEN	FDEP	Class V Non-ASR	-	140	120	Biscayne	1/31/2020
10098	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	140	84	Biscayne	1/29/2018
10099	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	140	97	Biscayne	5/17/2019
10100	25° 42'	80° 16'	105099	PASEO DE LA RIVIERA	FDEP	Class V Non-ASR	-	140	56	Biscayne	4/15/2019
10101	25° 47'	80° 11'	102455	2121 NW 2 AVE. (2121 WYNWOOD)	FDEP	Class V Non-ASR	-	140	120	Biscayne	8/7/2015
10102	25° 47'	80° 10'	100469	CITY OF MIAMI - SAN MARCO ISLAND	FDEP	Class V Non-ASR	-	141	86	Biscayne	5/22/2012
10103	25° 46'	80° 11'	101823	THE PLAZA AT LYRIC	FDEP	Class V Non-ASR	-	141	110	Biscayne	1/22/2015
10104	25° 47'	80° 11'	101823	THE PLAZA AT LYRIC	FDEP	Class V Non-ASR	-	141	110	Biscayne	1/16/2015
10105	25° 43'	80° 14'	59465	COCOWALK	FDEP	Class V Non-ASR	-	141	95	Biscayne	6/10/1994
10106	25° 46'	80° 10'	59987	TQUESTA II AT BRICKELL KEY	FDEP	Class V Non-ASR	-	141	103	Biscayne	5/11/1998
10107	25° 45'	80° 15'	60040	ESSO PARKING STRUCTURE	FDEP	Class V Non-ASR	-	141	100	Biscayne	3/16/1999
10108	25° 51'	80° 11'	86916	MIAMI SHORES VILLAGE/96TH ST. IMPROVEMENT	FDEP	Class V Non-ASR	-	141	123	Biscayne	2/16/2001
10109	25° 45'	80° 11'	88816	BRICKELL VIEW	FDEP	Class V Non-ASR	-	141	88	Biscayne	10/10/2003
10110	25° 50'	80° 7'	90967	THE BATH CLUB	FDEP	Class V Non-ASR	-	141	120	Biscayne	4/29/1994
10111	25° 48'	80° 7'	92542	MOSAIC CONDOMINIUMS	FDEP	Class V Non-ASR	-	141	92	Biscayne	12/3/2004
10112	25° 48'	80° 11'	92747	MIDTOWN MIAMI PHASE I	FDEP	Class V Non-ASR	-	141	115	Biscayne	4/22/2005
10113	25° 48'	80° 11'	92747	MIDTOWN MIAMI PHASE I	FDEP	Class V Non-ASR	-	141	116	Biscayne	4/11/2005
10114	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	141	120	Biscayne	5/21/2005
10115	25° 54'	80° 8'	103237	PARKVIEW VILLAS	FDEP	Class V Non-ASR	-	141	75	Biscayne	7/16/2017
10116	25° 45'	80° 15'	98467	396 ALHAMRA	FDEP	Class V Non-ASR	-	142	115	Biscayne	10/9/2009
10117	25° 47'	80° 14'	100788	MIAMI RIVER APARTMENTS	FDEP	Class V Non-ASR	-	142	100	Biscayne	9/19/2012
10118	25° 47'	80° 11'	101507	ISLAND LIVING APARTMENTS	FDEP	Class V Non-ASR	-	142	120	Biscayne	2/2/2015
10119	25° 47'	80° 11'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	142	114	Biscayne	6/7/1993
10120	25° 46'	80° 11'	58880	MIAMI RIVERSIDE CENTER	FDEP	Class V Non-ASR	-	142	124	Biscayne	11/8/1991
10121	25° 50'	80° 11'	60603	ATLANTIC ENVELOPE CO.	FDEP	Class V Non-ASR	-	142	131	Biscayne	8/2/1984
10122	25° 50'	80° 11'	61459	SENTELL SUPPLY CO.	FDEP	Class V Non-ASR	-	142	131	Biscayne	7/19/1984
10123	25° 49'	80° 7'	62416	GRAY, FAITH	FDEP	Class V Non-ASR	-	142	132	Biscayne	6/7/2007
10124	25° 38'	80° 17'	87001	DEERING BAY	FDEP	Class V Non-ASR	-	142	67	Biscayne	5/4/2001
10125	25° 47'	80° 11'	91517	1800 CLUB	FDEP	Class V Non-ASR	-	142	100	Biscayne	5/17/2004
10126	25° 50'	80° 11'	93058	THE BANK	FDEP	Class V Non-ASR	-	142	110	Biscayne	10/14/2005
10127	25° 44'	80° 16'	102907	DAVID WILLIAM HOTEL CONDO ASSOCIATION	FDEP	Class V Non-ASR	-	142	130	Biscayne	4/25/2019
10128	25° 44'	80° 16'	102907	DAVID WILLIAM HOTEL CONDO ASSOCIATION	FDEP	Class V Non-ASR	-	142	130	Biscayne	4/25/2019
10129	25° 45'	80° 15'	102902	GIRALDA COMPLEX, LLC	FDEP	Class V Non-ASR	-	142	116	Biscayne	7/19/2016
10130	25° 47'	80° 11'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	143	102	Biscayne	6/2/1993
10131	25° 46'	80° 12'	58294	MERRILL STEVENS DRY DOCK CO. SO. YD	FDEP	Class V Non-ASR	-	143	98	Biscayne	1/7/1991
10132	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	143	100	Biscayne	12/30/2005
10133	25° 48'	80° 11'	92747	MIDTOWN MIAMI PHASE I	FDEP	Class V Non-ASR	-	143	115	Biscayne	3/31/2005
10134	25° 48'	80° 7'	93502	CHARLES GARAGE BLDG	FDEP	Class V Non-ASR	-	143	137	Biscayne	1/13/2006
10135	25° 54'	80° 8'	94086	STATE SCHOOL QQ1	FDEP	Class V Non-ASR	-	143	96	Biscayne	6/22/2006
10136	25° 45'	80° 15'	98467	396 ALHAMRA	FDEP	Class V Non-ASR	-	144	120	Biscayne	9/8/2009
10137	25° 47'	80° 12'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	144	104	Biscayne	4/21/1993
10138	25° 47'	80° 11'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	144	124	Biscayne	6/4/1993
10139	25° 46'	80° 11'	58880	MIAMI RIVERSIDE CENTER	FDEP	Class V Non-ASR	-	144	129	Biscayne	10/23/1991
10140	25° 47'	80° 12'	57030	PUBLIC RIGHT OF WAY --WAGNER CREEK	FDEP	Class V Non-ASR	-	144	93	Biscayne	4/19/1991
10141	25° 52'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	144	87	Biscayne	7/28/1994
10142	25° 52'	80° 11'	65481	FDOT 87034-3504 SR 915-NE 6TH AVENUE	FDEP	Class V Non-ASR	-	144	103	Biscayne	10/8/1996
10143	25° 48'	80° 11'	93819	SHOPS AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	144	110	Biscayne	3/22/2006
10144	25° 48'	80° 11'	93819	SHOPS AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	144	110	Biscayne	5/1/2006
10145	25° 45'	80° 15'	98467	396 ALHAMRA	FDEP	Class V Non-ASR	-	145	115	Biscayne	8/27/2009
10146	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	145	90	Biscayne	3/20/2010
10147	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	145	90	Biscayne	3/18/2010
10148	25° 48'	80° 11'	102206	3711 DESIGN DISTRICT DEVELOPMENT	FDEP	Class V Non-ASR	-	145	126	Biscayne	2/12/2015

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
10149	25° 44'	80° 13'	100075	CITY OF MIAMI	FDEP	Class V Non-ASR	-	145	100	Biscayne	6/20/2015
10150	25° 48'	80° 13'	57030	PUBLIC RIGHT OF WAY --WAGNER CREEK	FDEP	Class V Non-ASR	-	145	96	Biscayne	4/18/1991
10151	25° 47'	80° 7'	57757	MIAMI BEACH, CITY OF	FDEP	Class V Non-ASR	-	145	127	Biscayne	1/9/1989
10152	25° 47'	80° 13'	61635	SUNNY BROOK CREAM	FDEP	Class V Non-ASR	-	145	0	Biscayne	7/24/1984
10153	25° 47'	80° 12'	65424	MDCC- MEDICAL CENTER CAMPUS	FDEP	Class V Non-ASR	-	145	133	Biscayne	1/1/1975
10154	25° 44'	80° 14'	92662	GABLES MARQUIS	FDEP	Class V Non-ASR	-	145	115	Biscayne	6/15/2005
10155	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	145	120	Biscayne	5/19/2005
10156	25° 53'	80° 10'	94434	DRAINAGE IMPROVEMENTS PRIORITY BASIN 2	FDEP	Class V Non-ASR	-	145	135	Biscayne	12/20/2006
10157	25° 48'	80° 11'	93819	SHOPS AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	145	110	Biscayne	4/3/2006
10158	25° 48'	80° 11'	93819	SHOPS AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	145	110	Biscayne	4/29/2006
10159	25° 51'	80° 11'	94811	PINNACLE SQUARE	FDEP	Class V Non-ASR	-	145	127	Biscayne	10/15/2007
10160	25° 45'	80° 15'	98467	396 ALHAMRA	FDEP	Class V Non-ASR	-	146	115	Biscayne	9/22/2009
10161	25° 46'	80° 11'	56494	CITY OF MIAMI B-4521 DTW IMP-PHASE II	FDEP	Class V Non-ASR	-	146	131	Biscayne	11/26/1991
10162	25° 46'	80° 11'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	146	90	Biscayne	4/16/1993
10163	25° 47'	80° 13'	57030	PUBLIC RIGHT OF WAY --WAGNER CREEK	FDEP	Class V Non-ASR	-	146	93	Biscayne	5/7/1991
10164	25° 45'	80° 14'	60271	MADISON SQUARE	FDEP	Class V Non-ASR	-	146	96	Biscayne	2/14/1984
10165	25° 45'	80° 14'	60365	1800 PROFESSIONAL BUILDING	FDEP	Class V Non-ASR	-	146	119	Biscayne	4/5/1985
10166	25° 51'	80° 10'	59920	PASTORAL CENTER	FDEP	Class V Non-ASR	-	146	109	Biscayne	2/18/1997
10167	25° 48'	80° 12'	64273	MIAMI WATER PLANT	FDEP	Class V Non-ASR	-	146	0	Biscayne	10/23/1984
10168	25° 47'	80° 11'	87594	OVERTOWN SUBSTATION	FDEP	Class V Non-ASR	-	146	100	Biscayne	8/8/2001
10169	25° 47'	80° 11'	87594	OVERTOWN SUBSTATION	FDEP	Class V Non-ASR	-	146	90	Biscayne	7/3/2001
10170	25° 54'	80° 8'	94086	STATE SCHOOL QQ1	FDEP	Class V Non-ASR	-	146	95	Biscayne	7/12/2006
10171	25° 47'	80° 12'	98611	UNIVERSITY OF MIAMI-LIFE SCIENCE PARK	FDEP	Class V Non-ASR	-	147	121	Biscayne	3/23/2010
10172	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	147	117	Biscayne	6/7/2016
10173	25° 48'	80° 11'	102166	MIAMI MIDTOWN 5	FDEP	Class V Non-ASR	-	147	116	Biscayne	2/13/2015
10174	25° 48'	80° 11'	102166	MIAMI MIDTOWN 5	FDEP	Class V Non-ASR	-	147	124	Biscayne	2/20/2015
10175	25° 47'	80° 12'	58632	JETRO CASH & CARRY	FDEP	Class V Non-ASR	-	147	112	Biscayne	8/1/1991
10176	25° 44'	80° 15'	59474	GABLES APARTMENT BLDG.	FDEP	Class V Non-ASR	-	147	100	Biscayne	7/28/1994
10177	25° 51'	80° 10'	64458	MT. VERNON MOTOR LODGE	FDEP	Class V Non-ASR	-	147	141	Biscayne	10/31/1984
10178	25° 53'	80° 8'	65451	FDOT 87066-3507 KANE CON TO 96TH ST.	FDEP	Class V Non-ASR	-	147	67	Biscayne	10/7/1993
10179	25° 46'	80° 10'	84423	THREE TEQUESTA POINT	FDEP	Class V Non-ASR	-	147	97	Biscayne	2/10/2000
10180	25° 43'	80° 14'	92803	GROVE LOFT	FDEP	Class V Non-ASR	-	147	89	Biscayne	3/23/2005
10181	25° 54'	80° 8'	94086	STATE SCHOOL QQ1	FDEP	Class V Non-ASR	-	147	96	Biscayne	6/20/2006
10182	25° 46'	80° 11'	102645	CRA OVERTOWN - 3 MIAMI CENTRAL	FDEP	Class V Non-ASR	-	147	116	Biscayne	12/8/2015
10183	25° 44'	80° 15'	98486	SEASONS 52 CORAL GABLES	FDEP	Class V Non-ASR	-	148	123	Biscayne	5/24/2010
10184	25° 47'	80° 7'	60031	ROYAL PALM CROWNE PLAZA RESORT	FDEP	Class V Non-ASR	-	148	118	Biscayne	2/12/1999
10185	25° 43'	80° 14'	84598	MUTINY PARK II	FDEP	Class V Non-ASR	-	148	108	Biscayne	7/11/2000
10186	25° 45'	80° 11'	88816	BRICKELL VIEW	FDEP	Class V Non-ASR	-	148	90	Biscayne	10/6/2003
10187	25° 47'	80° 11'	94444	FILLING STATION LOFTS	FDEP	Class V Non-ASR	-	148	134	Biscayne	12/15/2006
10188	25° 46'	80° 11'	95377	OVERTOWN TRANSIT VILLAGE II	FDEP	Class V Non-ASR	-	148	125	Biscayne	8/29/2009
10189	25° 46'	80° 12'	95575	LATIN Q TOWER CONDOMINIUM	FDEP	Class V Non-ASR	-	148	127	Biscayne	1/28/2009
10190	25° 48'	80° 11'	93973	MIDTOWN MIAMI PARCEL 4	FDEP	Class V Non-ASR	-	148	118	Biscayne	5/17/2006
10191	25° 48'	80° 7'	94955	SAXONY HOTEL AND CONDO (CIPRIANI)	FDEP	Class V Non-ASR	-	148	129	Biscayne	4/24/2014
10192	25° 48'	80° 7'	94955	SAXONY HOTEL AND CONDO (CIPRIANI)	FDEP	Class V Non-ASR	-	148	129	Biscayne	4/24/2014
10193	25° 47'	80° 11'	103072	SQUARE STATION	FDEP	Class V Non-ASR	-	148	126	Biscayne	11/28/2016
10194	25° 46'	80° 11'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	149	89	Biscayne	5/17/1993
10195	25° 44'	80° 16'	58377	NEW FRENCH VILLAGE	FDEP	Class V Non-ASR	-	149	95	Biscayne	7/30/1991
10196	25° 52'	80° 11'	87995	CENTER FOR THE ARTS AND CAMPUS GARAGE	FDEP	Class V Non-ASR	-	149	116	Biscayne	7/29/2015
10197	25° 53'	80° 9'	95559	SR 922 NE 123 ST (BISCAYNE BLVD TO BAYSHORE DR.)	FDEP	Class V Non-ASR	-	149	88	Biscayne	2/5/2009
10198	25° 54'	80° 8'	94086	STATE SCHOOL QQ1	FDEP	Class V Non-ASR	-	149	99	Biscayne	6/15/2006
10199	25° 45'	80° 14'	102668	MIAMI DADE COLLEGE INTERAMERICAN CAMPUS	FDEP	Class V Non-ASR	-	149	118	Biscayne	7/13/2016
10200	25° 45'	80° 13'	97732	PACIFIC CORAL WAY	FDEP	Class V Non-ASR	-	150	100	Biscayne	3/12/2009
10201	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	150	116	Biscayne	12/18/2015
10202	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	150	116	Biscayne	12/10/2015
10203	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	150	116	Biscayne	12/10/2015
10204	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	150	116	Biscayne	6/16/2016
10205	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	150	116	Biscayne	7/7/2016
10206	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	150	117	Biscayne	5/14/2016
10207	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	150	116	Biscayne	5/19/2016
10208	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	150	116	Biscayne	5/26/2016
10209	25° 46'	80° 11'	102373	ALL ABOARD FLORIDA - MIAMI CENTRAL	FDEP	Class V Non-ASR	-	150	116	Biscayne	5/23/2016
10210	25° 46'	80° 14'	102196	SR 968 W 27TH AVE - W 14TH AVE	FDEP	Class V Non-ASR	-	150	125	Biscayne	8/18/2016
10211	25° 48'	80° 11'	102166	MIAMI MIDTOWN 5	FDEP	Class V Non-ASR	-	150	126	Biscayne	2/13/2015
10212	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	150	90	Biscayne	3/29/2010
10213	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	150	90	Biscayne	3/23/2010
10214	25° 45'	80° 15'	102074	2020 SALZEDO	FDEP	Class V Non-ASR	-	150	130	Biscayne	6/12/2015
10215	25° 47'	80° 11'	102261	MIAMI ARTS CHARTER SCHOOL	FDEP	Class V Non-ASR	-	150	130	Biscayne	4/7/2015
10216	25° 47'	80° 11'	102261	MIAMI ARTS CHARTER SCHOOL	FDEP	Class V Non-ASR	-	150	130	Biscayne	4/16/2015
10217	25° 48'	80° 11'	102286	DISTRICT 36	FDEP	Class V Non-ASR	-	150	115	Biscayne	7/24/2015
10218	25° 48'	80° 11'	102286	DISTRICT 36	FDEP	Class V Non-ASR	-	150	115	Biscayne	7/31/2015
10219	25° 53'	80° 10'	56568	W.J. BRYAN ELEMENTARY SCHOOL	FDEP	Class V Non-ASR	-	150	112	Biscayne	1/25/1995
10220	25° 53'	80° 10'	56568	W.J. BRYAN ELEMENTARY SCHOOL	FDEP	Class V Non-ASR	-	150	124	Biscayne	1/25/1995
10221	25° 45'	80° 15'	57155	THE COLONNADE	FDEP	Class V Non-ASR	-	150	130	Biscayne	6/15/1987
10222	25° 45'	80° 15'	57155	THE COLONNADE	FDEP	Class V Non-ASR	-	150	130	Biscayne	6/15/2006
10223	25° 45'	80° 15'	57155	THE COLONNADE	FDEP	Class V Non-ASR	-	150	130	Biscayne	6/15/2006
10224	25° 45'	80° 15'	57155	THE COLONNADE	FDEP	Class V Non-ASR	-	150	130	Biscayne	6/15/2006
10225	25° 41'	80° 9'	57271	KEY BISCAYNE HOTEL & VILLAS	FDEP	Class V Non-ASR	-	150	100	Biscayne	1/1/1967
10226	25° 47'	80° 12'	60947	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/23/1984
10227	25° 47'	80° 12'	60948	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/23/1984
10228	25° 47'	80° 12'	60951	CITY OF MIAMI	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/23/1984
10229	25° 47'	80° 7'	60976	CLUB CONTINENTAL	FDEP	Class V Non-ASR	-	150	133	Biscayne	8/23/1984
10230	25° 51'	80° 11'	62608	STEPHEN, G. B.	FDEP	Class V Non-ASR	-	150	0	Biscayne	10/18/1984
10231	25° 48'	80° 12'	61030	CROWLEY'S, INC.	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/16/1985
10232	25° 50'	80° 11'	61033	CRYSTAL SPRINGS WATER	FDEP	Class V Non-ASR	-	150	133	Biscayne	8/27/1984
10233	25° 45'	80° 15'	61040	CORAL GABLES LAUNDRY	FDEP	Class V Non-ASR	-	150	108	Biscayne	8/24/1984
10234	25° 43'	80° 9'	60296	UNIVERSITY OF MIAMI	FDEP	Class V Non-ASR	-	150	126	Biscayne	4/26/1984
10235	25° 53'	80° 10'	61059	MCAULY, D. H.	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/28/1984
10236	25° 49'	80° 13'	61075	DADE COUNTY HOUSING & URBAN AUTHORITY	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/30/1984
10237	25° 49'	80° 12'	61076	DADE COUNTY HOUSING & URBAN AUTHORITY	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/30/1984

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
10238	25° 49'	80° 13'	61077	DADE COUNTY HOUSING & URBAN AUTHORITY	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/30/1984
10239	25° 50'	80° 13'	61078	DADE COUNTY HOUSING & URBAN AUTHORITY	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/30/1984
10240	25° 49'	80° 13'	61079	DADE COUNTY HOUSING & URBAN AUTHORITY	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/30/1984
10241	25° 49'	80° 13'	61080	DADE COUNTY HOUSING & URBAN AUTHORITY	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/30/1984
10242	25° 50'	80° 13'	61082	DADE COUNTY HOUSING & URBAN AUTHORITY	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/30/1984
10243	25° 49'	80° 13'	61153	DEPT. OF HOUSING & URBAN DEVELOPMENT	FDEP	Class V Non-ASR	-	150	0	Biscayne	9/4/1984
10244	25° 46'	80° 11'	60776	BURDINE'S, INC.	FDEP	Class V Non-ASR	-	150	146	Biscayne	8/15/1984
10245	25° 48'	80° 11'	61525	SOUTH DAIRIES PLANT	FDEP	Class V Non-ASR	-	150	130	Biscayne	8/8/2007
10246	25° 46'	80° 11'	61555	SOUTHERN BELL	FDEP	Class V Non-ASR	-	150	0	Biscayne	7/20/1984
10247	25° 48'	80° 12'	60941	CITY OF MIAMI PUBLIC SERVICE	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/22/1984
10248	25° 48'	80° 12'	60941	CITY OF MIAMI PUBLIC SERVICE	FDEP	Class V Non-ASR	-	150	0	Biscayne	12/13/1948
10249	25° 45'	80° 13'	60942	CITY OF MIAMI PUBLIC SERVICE	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/22/1984
10250	25° 47'	80° 12'	60945	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/22/1984
10251	25° 47'	80° 12'	60945	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/22/1984
10252	25° 47'	80° 12'	60945	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/22/1984
10253	25° 46'	80° 13'	60946	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	150	0	Biscayne	8/23/1984
10254	25° 50'	80° 14'	62485	FLORIDA WHOLESALE GROCERY	FDEP	Class V Non-ASR	-	150	0	Biscayne	10/4/1984
10255	25° 44'	80° 15'	64172	MARVEL PROP, INC.	FDEP	Class V Non-ASR	-	150	124	Biscayne	10/12/1984
10256	25° 50'	80° 12'	63458	HOLLEMAN'S RESTAURANT	FDEP	Class V Non-ASR	-	150	106	Biscayne	7/6/1984
10257	25° 47'	80° 12'	64269	MIA. STADIUM CORP.	FDEP	Class V Non-ASR	-	150	0	Biscayne	10/23/1984
10258	25° 47'	80° 12'	64269	MIA. STADIUM CORP.	FDEP	Class V Non-ASR	-	150	0	Biscayne	10/23/1984
10259	25° 49'	80° 13'	62895	ALBIN, RAYMOND	FDEP	Class V Non-ASR	-	150	0	Biscayne	11/16/1984
10260	25° 51'	80° 11'	62928	GULF OIL CORPORATION	FDEP	Class V Non-ASR	-	150	0	Biscayne	11/19/1984
10261	25° 45'	80° 13'	62929	GULF OIL CORP.	FDEP	Class V Non-ASR	-	150	0	Biscayne	11/19/1984
10262	25° 45'	80° 15'	62930	GULF OIL CORP.	FDEP	Class V Non-ASR	-	150	0	Biscayne	11/19/1984
10263	25° 52'	80° 11'	63840	DUNNING, K. M.	FDEP	Class V Non-ASR	-	150	97	Biscayne	9/5/1984
10264	25° 46'	80° 11'	65426	RHODE PARKING STRUCTURE	FDEP	Class V Non-ASR	-	150	133	Biscayne	4/9/1990
10265	25° 47'	80° 13'	64098	FAULMAN, M.	FDEP	Class V Non-ASR	-	150	0	Biscayne	10/5/1984
10266	25° 46'	80° 11'	84325	THREE TEQUESTA POINT	FDEP	Class V Non-ASR	-	150	108	Biscayne	1/31/2000
10267	25° 49'	80° 11'	86519	MIAMI JEWISH HOME & HOSPITAL	FDEP	Class V Non-ASR	-	150	100	Biscayne	3/5/2001
10268	25° 52'	80° 11'	87995	CENTER FOR THE ARTS AND CAMPUS GARAGE	FDEP	Class V Non-ASR	-	150	140	Biscayne	7/25/2005
10269	25° 54'	80° 10'	89623	ARCH CREEK ESTATES PH. I & II	FDEP	Class V Non-ASR	-	150	133	Biscayne	1/28/2004
10270	25° 47'	80° 11'	93858	ST JOHN VILLAGE HOMES	FDEP	Class V Non-ASR	-	150	118	Biscayne	6/1/2006
10271	25° 45'	80° 12'	94663	MAR 618 LLC (FKA ALLIANCE FRANCAISE DE MIAMI)	FDEP	Class V Non-ASR	-	150	100	Biscayne	5/15/2007
10272	25°	48° 80'	105206	WYNWOOD 26	FDEP	Class V Non-ASR	-	150	130	Biscayne	5/4/2018
10273	25°	48° 80'	105206	WYNWOOD 26	FDEP	Class V Non-ASR	-	150	120	Biscayne	5/2/2018
10274	25°	48° 80'	105206	WYNWOOD 26	FDEP	Class V Non-ASR	-	150	120	Biscayne	5/3/2018
10275	25° 47'	80° 11'	103190	ST. JOHN COMMUNITY DEVELOPMENT	FDEP	Class V Non-ASR	-	150	127	Biscayne	8/20/2017
10276	25° 48'	80° 11'	102766	HYDE MIDTOWN	FDEP	Class V Non-ASR	-	150	125	Biscayne	5/17/2016
10277	25° 48'	80° 11'	102766	HYDE MIDTOWN	FDEP	Class V Non-ASR	-	150	125	Biscayne	5/17/2016
10278	25° 48'	80° 11'	102766	HYDE MIDTOWN	FDEP	Class V Non-ASR	-	150	125	Biscayne	5/17/2016
10279	25° 47'	80° 11'	102390	MIAMI ENTERTAINTMENT COMPLEX (CEM)	FDEP	Class V Non-ASR	-	150	120	Biscayne	7/16/2015
10280	25° 47'	80° 11'	102390	MIAMI ENTERTAINTMENT COMPLEX (CEM)	FDEP	Class V Non-ASR	-	150	126	Biscayne	8/8/2015
10281	25° 47'	80° 11'	102390	MIAMI ENTERTAINTMENT COMPLEX (CEM)	FDEP	Class V Non-ASR	-	150	115	Biscayne	9/25/2015
10282	25° 48'	80° 11'	106352	THE GATEWAY AT WYNWOOD	FDEP	Class V Non-ASR	-	150	115	Biscayne	2/17/2020
10283	25° 45'	80° 13'	105501	ALTIS @ LITTLE HAVANA	FDEP	Class V Non-ASR	-	150.0	110	Biscayne	7/29/2019
10284	25° 45'	80° 13'	105501	ALTIS @ LITTLE HAVANA	FDEP	Class V Non-ASR	-	150.00	110	Biscayne	7/29/2019
10285	25° 46'	80° 11'	106081	SOLESTE GRAND CENTRAL	FDEP	Class V Non-ASR	-	150	69	Biscayne	5/31/2019
10286	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	150	77	Biscayne	1/4/2018
10287	25° 45'	80° 11'	106100	SMART BRICKELL	FDEP	Class V Non-ASR	-	150	116	Biscayne	1/27/2019
10288	25° 47'	80° 11'	103072	SQUARE STATION	FDEP	Class V Non-ASR	-	150	128	Biscayne	11/28/2016
10289	25° 47'	80° 12'	98611	UNIVERSITY OF MIAMI-LIFE SCIENCE PARK	FDEP	Class V Non-ASR	-	151	121	Biscayne	3/18/2010
10290	25° 49'	80° 11'	101585	FAMILY DOLLAR - FRANK KING	FDEP	Class V Non-ASR	-	151	136	Biscayne	3/27/2014
10291	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	151	95	Biscayne	12/7/2010
10292	25° 46'	80° 11'	99548	MIAMI-DADE COUNTY CHILDREN'S COURTHOUSE	FDEP	Class V Non-ASR	-	151	116	Biscayne	9/27/2011
10293	25° 46'	80° 11'	99548	MIAMI-DADE COUNTY CHILDREN'S COURTHOUSE	FDEP	Class V Non-ASR	-	151	120	Biscayne	6/14/2011
10294	25° 46'	80° 11'	99548	MIAMI-DADE COUNTY CHILDREN'S COURTHOUSE	FDEP	Class V Non-ASR	-	151	122	Biscayne	6/7/2011
10295	25° 46'	80° 11'	99548	MIAMI-DADE COUNTY CHILDREN'S COURTHOUSE	FDEP	Class V Non-ASR	-	151	116	Biscayne	6/6/2011
10296	25° 46'	80° 11'	58067	PANIRI BUILDING	FDEP	Class V Non-ASR	-	151	140	Biscayne	2/28/1990
10297	25° 55'	80° 7'	60224	TROPICANA CONDOMINIUM	FDEP	Class V Non-ASR	-	151	138	Biscayne	5/18/1982
10298	25° 46'	80° 14'	62922	PACE, GEORGE	FDEP	Class V Non-ASR	-	151	149	Biscayne	11/19/1984
10299	25° 43'	80° 14'	83669	OAK AVENUE PLAZA PARKING GARAGE	FDEP	Class V Non-ASR	-	151	97	Biscayne	7/9/1999
10300	25° 51'	80° 11'	87743	PUBLIX STORE # 132	FDEP	Class V Non-ASR	-	151	111	Biscayne	8/17/2001
10301	25° 48'	80° 11'	93794	MIDBLOCK EAST MIDTOWN	FDEP	Class V Non-ASR	-	151	120	Biscayne	5/30/2006
10302	25° 48'	80° 11'	93794	MIDBLOCK EAST MIDTOWN	FDEP	Class V Non-ASR	-	151	120	Biscayne	5/22/2006
10303	25° 48'	80° 11'	92747	MIDTOWN MIAMI PHASE-I	FDEP	Class V Non-ASR	-	151	115	Biscayne	4/7/2005
10304	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	151	130	Biscayne	10/7/2005
10305	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	151	114	Biscayne	9/8/2005
10306	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	151	120	Biscayne	6/24/2005
10307	25° 48'	80° 11'	94163	SHOPS AT MIDTOWN SOUTH BLOCK	FDEP	Class V Non-ASR	-	151	119	Biscayne	7/12/2006
10308	25° 48'	80° 11'	101993	CITY VIEW GARAGE	FDEP	Class V Non-ASR	-	152	138	Biscayne	11/24/2014
10309	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	152	95	Biscayne	5/22/2010
10310	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	152	90	Biscayne	5/11/2010
10311	25° 46'	80° 14'	57014	CITY OF MIAMI DRAINAGE PROJ. E 59 - B5554	FDEP	Class V Non-ASR	-	152	132	Biscayne	8/20/1990
10312	25° 48'	80° 7'	59374	LA TOUR CONDOMINIUM	FDEP	Class V Non-ASR	-	152	131	Biscayne	1/28/1994
10313	25° 45'	80° 15'	59997	2000 PONCE DE LEON SQUARE	FDEP	Class V Non-ASR	-	152	101	Biscayne	6/15/1998
10314	25° 53'	80° 8'	65451	FDOT 87066-3507 KANE CON TO 96TH ST.	FDEP	Class V Non-ASR	-	152	70	Biscayne	10/21/1993
10315	25° 46'	80° 11'	84475	SW 2ND AVE. BRIDGE REPLACEMENT	FDEP	Class V Non-ASR	-	152	128	Biscayne	4/27/2002
10316	25° 48'	80° 11'	93794	MIDBLOCK EAST MIDTOWN	FDEP	Class V Non-ASR	-	152	120	Biscayne	5/13/2006
10317	25° 47'	80° 11'	92409	I-395 SURFACE PARKING LOT	FDEP	Class V Non-ASR	-	152	137	Biscayne	1/12/2005
10318	25° 47'	80° 11'	92409	I-395 SURFACE PARKING LOT	FDEP	Class V Non-ASR	-	152	134	Biscayne	12/22/2004
10319	25° 48'	80° 11'	92747	MIDTOWN MIAMI PHASE-I	FDEP	Class V Non-ASR	-	152	118	Biscayne	4/22/2005
10320	25° 48'	80° 11'	92747	MIDTOWN MIAMI PHASE-I	FDEP	Class V Non-ASR	-	152	115	Biscayne	4/14/2005
10321	25° 48'	80° 7'	93502	CHARLES GARAGE BLDG	FDEP	Class V Non-ASR	-	152	139	Biscayne	1/14/2006
10322	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	152	120	Biscayne	6/3/2005
10323	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	152	120	Biscayne	6/10/2005
10324	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	152	120	Biscayne	6/18/2005
10325	25° 48'	80° 11'	94645	CYNERGY (CYNERGI)	FDEP	Class V Non-ASR	-	152	128	Biscayne	6/28/2007
10326	25° 54'	80° 8'	94086	STATE SCHOOL QQ1	FDEP	Class V Non-ASR	-	152	96	Biscayne	6/27/2006

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
10327	25° 54'	80° 8'	94086	STATE SCHOOL QQ1	FDEP	Class V Non-ASR	-	152	96	Biscayne	7/13/2006
10328	25° 48'	80° 11'	94163	SHOPS AT MIDTOWN SOUTH BLOCK	FDEP	Class V Non-ASR	-	152	119	Biscayne	7/20/2006
10329	25° 48'	80° 11'	94163	SHOPS AT MIDTOWN SOUTH BLOCK	FDEP	Class V Non-ASR	-	152	119	Biscayne	7/7/2006
10330	25° 50'	80° 10'	103164	BEL AIR CREST LLC	FDEP	Class V Non-ASR	-	152	122	Biscayne	3/5/2018
10331	25° 46'	80° 11'	65426	RHODE PARKING STRUCTURE	FDEP	Class V Non-ASR	-	153	127	Biscayne	3/5/1990
10332	25° 47'	80° 11'	65458	FDOT-MACARTHUR CWSY.BR-87060-3549	FDEP	Class V Non-ASR	-	153	114	Biscayne	7/19/1995
10333	25° 47'	80° 11'	65458	FDOT-MACARTHUR CWSY.BR-87060-3549	FDEP	Class V Non-ASR	-	153	114	Biscayne	7/19/1995
10334	25° 46'	80° 11'	84475	SW 2ND AVE. BRIDGE REPLACEMENT	FDEP	Class V Non-ASR	-	153	123	Biscayne	1/30/2002
10335	25° 51'	80° 11'	87743	PUBLIX STORE # 132	FDEP	Class V Non-ASR	-	153	111	Biscayne	8/3/2001
10336	25° 48'	80° 11'	93480	TWO MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	153	120	Biscayne	11/10/2005
10337	25° 54'	80° 8'	94086	STATE SCHOOL QQ1	FDEP	Class V Non-ASR	-	153	96	Biscayne	7/20/2006
10338	25° 54'	80° 8'	94086	STATE SCHOOL QQ1	FDEP	Class V Non-ASR	-	153	96	Biscayne	6/5/2006
10339	25° 48'	80° 11'	104937	MIAMI MIDTOWN 6	FDEP	Class V Non-ASR	-	153	123	Biscayne	12/11/2017
10340	25° 46'	80° 14'	57014	CITY OF MIAMI DRAINAGE PROJ. E 59 - B5554	FDEP	Class V Non-ASR	-	154	130	Biscayne	8/13/1990
10341	25° 52'	80° 12'	60657	BARTON BUILDERS	FDEP	Class V Non-ASR	-	154	150	Biscayne	8/6/1984
10342	25° 48'	80° 11'	65408	FDOT JULIA TUTTLE CAUSEWAY	FDEP	Class V Non-ASR	-	154	95	Biscayne	2/14/1990
10343	25° 46'	80° 11'	102681	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	154	124	Biscayne	5/8/2016
10344	25° 46'	80° 11'	102681	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	154	116	Biscayne	5/9/2016
10345	25° 48'	80° 11'	101941	3625 NE 2ND AVE.	FDEP	Class V Non-ASR	-	155	126	Biscayne	7/24/2014
10346	25° 46'	80° 13'	100643	ALTOS PLAZA PUBLIX SUPERMARKET	FDEP	Class V Non-ASR	-	155	125	Biscayne	8/4/2012
10347	25° 46'	80° 11'	102240	MET SQUARE	FDEP	Class V Non-ASR	-	155	130	Biscayne	8/25/2015
10348	25° 46'	80° 11'	102240	MET SQUARE	FDEP	Class V Non-ASR	-	155	130	Biscayne	9/1/2015
10349	25° 46'	80° 11'	102240	MET SQUARE	FDEP	Class V Non-ASR	-	155	130	Biscayne	9/9/2015
10350	25° 46'	80° 11'	102240	MET SQUARE	FDEP	Class V Non-ASR	-	155	130	Biscayne	9/21/2015
10351	25° 46'	80° 11'	58124	PUBLIC STORAGE	FDEP	Class V Non-ASR	-	155	130	Biscayne	6/5/1990
10352	25° 48'	80° 12'	61891	MUELLER, WALTER F.	FDEP	Class V Non-ASR	-	155	0	Biscayne	8/7/1984
10353	25° 49'	80° 12'	61275	STANDER, E. A.	FDEP	Class V Non-ASR	-	155	140	Biscayne	9/6/1984
10354	25° 48'	80° 11'	65408	FDOT JULIA TUTTLE CAUSEWAY	FDEP	Class V Non-ASR	-	155	91	Biscayne	5/12/1989
10355	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	155	125	Biscayne	9/30/1999
10356	25° 48'	80° 7'	86122	VERSAILLES HOTEL CONDOMINIUM	FDEP	Class V Non-ASR	-	155	138	Biscayne	12/7/2000
10357	25° 44'	80° 15'	87990	DOUGLAS PLACE CONDOMINIUM	FDEP	Class V Non-ASR	-	155	97	Biscayne	11/14/2001
10358	25° 46'	80° 11'	90875	STORM SEWER IMPROVEMENTS-DOWNTOWN, B-4662	FDEP	Class V Non-ASR	-	155	127	Biscayne	5/8/2003
10359	25° 48'	80° 7'	93502	CHARLES GARAGE BLDG	FDEP	Class V Non-ASR	-	155	136	Biscayne	12/6/2005
10360	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	155	128	Biscayne	9/30/2005
10361	25° 48'	80° 7'	94901	MIAMI BEACH ADDITION	FDEP	Class V Non-ASR	-	155	140	Biscayne	10/14/2013
10362	25° 45'	80° 15'	102672	COLUMBUS CENTER	FDEP	Class V Non-ASR	-	155	125	Biscayne	3/3/2016
10363	25° 45'	80° 15'	102672	COLUMBUS CENTER	FDEP	Class V Non-ASR	-	155	125	Biscayne	3/3/2016
10364	25° 46'	80° 11'	102681	CITY OF MIAMI PUBLIC WORKS	FDEP	Class V Non-ASR	-	155	125	Biscayne	9/26/2016
10365	25° 47'	80° 11'	105473	2300 WYNWOOD	FDEP	Class V Non-ASR	-	155	145	Biscayne	7/30/2019
10366	25° 47'	80° 11'	102641	43 NW 23RD STREET	FDEP	Class V Non-ASR	-	155	140	Biscayne	12/10/2015
10367	25° 46'	80° 11'	102794	BANNER STORAGE DOWNTOWN	FDEP	Class V Non-ASR	-	155	126	Biscayne	5/7/2016
10368	25° 45'	80° 11'	102549	MIAMI CITY SELF STORAGE 3RD AVE, LLC	FDEP	Class V Non-ASR	-	155	135	Biscayne	11/19/2015
10369	25° 44'	80° 15'	100576	REX ART RESIDENCES	FDEP	Class V Non-ASR	-	156	106	Biscayne	6/14/2012
10370	25° 48'	80° 11'	99298	TIRRENIA GROUP LLC	FDEP	Class V Non-ASR	-	156	130	Biscayne	2/16/2011
10371	25° 50'	80° 11'	100317	CITY OF MIAMI - PALM GROVE	FDEP	Class V Non-ASR	-	156	136	Biscayne	9/5/2012
10372	25° 53'	80° 9'	100783	BAYVIEW TOWER AKA DOME CONDOMINIUM	FDEP	Class V Non-ASR	-	156	76	Biscayne	5/8/2013
10373	25° 48'	80° 11'	102273	ATLAS 114	FDEP	Class V Non-ASR	-	156	112	Biscayne	5/29/2015
10374	25° 45'	80° 15'	57401	THE ALEXANDER BUILDING	FDEP	Class V Non-ASR	-	156	105	Biscayne	12/11/1987
10375	25° 47'	80° 13'	60260	CIVIC PARK PLAZA	FDEP	Class V Non-ASR	-	156	102	Biscayne	11/13/1990
10376	25° 46'	80° 11'	65426	RHODE PARKING STRUCTURE	FDEP	Class V Non-ASR	-	156	133	Biscayne	4/5/1990
10377	25° 46'	80° 11'	93723	RIVER FRONT	FDEP	Class V Non-ASR	-	156	126	Biscayne	2/9/2006
10378	25° 46'	80° 11'	93723	RIVER FRONT	FDEP	Class V Non-ASR	-	156	124	Biscayne	6/2/2006
10379	25° 45'	80° 15'	92648	55 MERRICK	FDEP	Class V Non-ASR	-	156	130	Biscayne	10/10/2005
10380	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	156	120	Biscayne	4/28/2005
10381	25° 48'	80° 11'	102582	4136 N. MIAMI AVE.	FDEP	Class V Non-ASR	-	156	136	Biscayne	10/7/2015
10382	25° 47'	80° 11'	103190	ST. JOHN COMMUNITY DEVELOPMENT	FDEP	Class V Non-ASR	-	156	127	Biscayne	4/4/2017
10383	25° 46'	80° 11'	105922	240 NORTH MIAMI AVE.	FDEP	Class V Non-ASR	-	156	132	Biscayne	6/18/2019
10384	25° 46'	80° 11'	105922	240 NORTH MIAMI AVE.	FDEP	Class V Non-ASR	-	156	132	Biscayne	7/1/2019
10385	25° 46'	80° 12'	105989	MIAMI RIVER WALK PHASE I	FDEP	Class V Non-ASR	-	156	124	Biscayne	4/24/2019
10386	25° 46'	80° 12'	105989	MIAMI RIVER WALK PHASE I	FDEP	Class V Non-ASR	-	156	126	Biscayne	6/5/2019
10387	25° 48'	80° 11'	106352	THE GATEWAY AT WYNWOOD	FDEP	Class V Non-ASR	-	156	116	Biscayne	2/17/2020
10388	25° 47'	80° 11'	105972	MIAMI PLAZA	FDEP	Class V Non-ASR	-	156	135	Biscayne	4/8/2019
10389	25° 47'	80° 11'	105972	MIAMI PLAZA	FDEP	Class V Non-ASR	-	156	136	Biscayne	4/15/2019
10390	25° 48'	80° 11'	102782	MIDTOWN 29	FDEP	Class V Non-ASR	-	156	116	Biscayne	5/19/2016
10391	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	156	90	Biscayne	5/14/2019
10392	25° 48'	80° 11'	102728	CHABAD MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	156	116	Biscayne	5/10/2016
10393	25° 49'	80° 11'	105467	EMPATHICARE VILLAGE PARKING GARAGE	FDEP	Class V Non-ASR	-	156	135	Biscayne	11/12/2018
10394	25° 49'	80° 11'	105467	EMPATHICARE VILLAGE PARKING GARAGE	FDEP	Class V Non-ASR	-	156	135	Biscayne	11/13/2018
10395	25° 48'	80° 11'	104937	MIAMI MIDTOWN 6	FDEP	Class V Non-ASR	-	156	127	Biscayne	12/11/2017
10396	25° 48'	80° 11'	101404	DESIGN 41	FDEP	Class V Non-ASR	-	157	120	Biscayne	8/5/2014
10397	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	100	Biscayne	7/24/2010
10398	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	100	Biscayne	7/2/2010
10399	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	100	Biscayne	7/20/2010
10400	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	100	Biscayne	5/2/2011
10401	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	100	Biscayne	4/28/2011
10402	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	100	Biscayne	4/11/2011
10403	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	100	Biscayne	6/26/2010
10404	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	90	Biscayne	12/9/2010
10405	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	95	Biscayne	12/1/2010
10406	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	95	Biscayne	11/22/2010
10407	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	95	Biscayne	5/25/2010
10408	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	95	Biscayne	5/27/2010
10409	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	95	Biscayne	5/29/2010
10410	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	95	Biscayne	6/3/2010
10411	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	95	Biscayne	6/9/2010
10412	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	95	Biscayne	6/11/2010
10413	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	100	Biscayne	4/15/2011
10414	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	100	Biscayne	9/21/2011
10415	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	100	Biscayne	6/14/2011

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Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
10416	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	100	Biscayne	6/11/2011
10417	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	100	Biscayne	9/11/2011
10418	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	100	Biscayne	9/16/2011
10419	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	157	100	Biscayne	6/24/2010
10420	25° 44'	80° 9'	60296	UNIVERSITY OF MIAMI	FDEP	Class V Non-ASR	-	157	124	Biscayne	6/15/1984
10421	25° 47'	80° 11'	59635	HOMELESS ASSISTANCE CENTER	FDEP	Class V Non-ASR	-	157	126	Biscayne	5/17/1995
10422	25° 53'	80° 9'	65439	FDOT 87066-3503 NORTHEAST 123 ST.	FDEP	Class V Non-ASR	-	157	86	Biscayne	10/31/1991
10423	25° 53'	80° 8'	65451	FDOT 87066-3507 KANE CON TO 96TH ST.	FDEP	Class V Non-ASR	-	157	96	Biscayne	11/11/1993
10424	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	157	123	Biscayne	7/17/2006
10425	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	157	111	Biscayne	4/14/2006
10426	25° 48'	80° 11'	93480	TWO MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	157	120	Biscayne	11/3/2005
10427	25° 50'	80° 7'	93481	MEI CONDOMINIUM	FDEP	Class V Non-ASR	-	157	140	Biscayne	6/9/2006
10428	25° 50'	80° 11'	94892	VILLA PATRICIA	FDEP	Class V Non-ASR	-	157	136	Biscayne	11/13/2007
10429	25° 48'	80° 11'	102782	MIDTOWN 29	FDEP	Class V Non-ASR	-	157	127	Biscayne	5/19/2016
10430	25° 48'	80° 11'	102782	MIDTOWN 29	FDEP	Class V Non-ASR	-	157	128	Biscayne	5/19/2016
10431	25° 48'	80° 11'	102782	MIDTOWN 29	FDEP	Class V Non-ASR	-	157	121	Biscayne	5/19/2016
10432	25° 48'	80° 11'	102646	PENNY LANE	FDEP	Class V Non-ASR	-	157	131	Biscayne	1/18/2016
10433	25° 46'	80° 11'	102439	FPL BRICKELL SUBSTATION	FDEP	Class V Non-ASR	-	157	134	Biscayne	4/18/2015
10434	25° 48'	80° 11'	104937	MIAMI MIDTOWN 6	FDEP	Class V Non-ASR	-	157	124	Biscayne	12/11/2017
10435	25° 48'	80° 11'	104937	MIAMI MIDTOWN 6	FDEP	Class V Non-ASR	-	157	122	Biscayne	12/11/2017
10436	25° 46'	80° 11'	61850	LYONS, W. H.	FDEP	Class V Non-ASR	-	158	151	Biscayne	8/6/1984
10437	25° 48'	80° 7'	62816	CIRCA 39 HOTEL /HALPERIN, R. A.	FDEP	Class V Non-ASR	-	158	152	Biscayne	11/1/1984
10438	25° 46'	80° 11'	93723	RIVER FRONT	FDEP	Class V Non-ASR	-	158	129	Biscayne	3/3/2006
10439	25° 45'	80° 11'	93163	AVENUE A CONDOMINIUM AT 1060 BRICKELL	FDEP	Class V Non-ASR	-	158	91	Biscayne	5/29/2008
10440	25° 45'	80° 11'	93163	AVENUE A CONDOMINIUM AT 1060 BRICKELL	FDEP	Class V Non-ASR	-	158	91	Biscayne	5/16/2008
10441	25° 47'	80° 11'	94444	FILLING STATION LOFTS	FDEP	Class V Non-ASR	-	158	140	Biscayne	11/30/2006
10442	25° 50'	80° 11'	94892	VILLA PATRICIA	FDEP	Class V Non-ASR	-	158	134	Biscayne	11/26/2007
10443	25° 48'	80° 11'	93973	MIDTOWN MIAMI PARCEL 4	FDEP	Class V Non-ASR	-	158	117	Biscayne	5/30/2006
10444	25° 48'	80° 11'	105068	AMLI CHIQUITA AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	158	118	Biscayne	6/6/2018
10445	25° 50'	80° 10'	103164	BEL AIR CREST LLC	FDEP	Class V Non-ASR	-	158	136	Biscayne	1/18/2018
10446	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	159	118	Biscayne	5/2/2006
10447	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	159	113	Biscayne	4/7/2006
10448	25° 46'	80° 11'	95524	CITY OF MIAMI COLLEGE FOR POLICE	FDEP	Class V Non-ASR	-	159	118	Biscayne	4/1/2009
10449	25° 46'	80° 11'	93876	ICON BRICKELL	FDEP	Class V Non-ASR	-	159	129	Biscayne	3/23/2006
10450	25° 46'	80° 11'	93876	ICON BRICKELL	FDEP	Class V Non-ASR	-	159	128	Biscayne	3/28/2006
10451	25° 48'	80° 11'	103009	235 BUILDING	FDEP	Class V Non-ASR	-	159	136	Biscayne	9/29/2016
10452	25° 46'	80° 13'	102158	SR 968 SW 1ST ST FROM W FLAGLER AVE	FDEP	Class V Non-ASR	-	160	120	Biscayne	10/12/2016
10453	25° 46'	80° 13'	102158	SR 968 SW 1ST ST FROM W FLAGLER AVE	FDEP	Class V Non-ASR	-	160	120	Biscayne	11/22/2016
10454	25° 46'	80° 14'	102196	SR 968 W 27TH AVE - W 14TH AVE	FDEP	Class V Non-ASR	-	160	140	Biscayne	4/25/2017
10455	25° 48'	80° 7'	58881	THE PALMS HOTEL	FDEP	Class V Non-ASR	-	160	142	Biscayne	2/28/1992
10456	25° 50'	80° 7'	59166	MIAMI BEACH J.C.C. BOAT HOUSE	FDEP	Class V Non-ASR	-	160	142	Biscayne	2/4/1993
10457	25° 46'	80° 11'	60361	FLAGLER STATION	FDEP	Class V Non-ASR	-	160	151	Biscayne	6/21/1985
10458	25° 50'	80° 10'	60522	AMERICAN LEGION	FDEP	Class V Non-ASR	-	160	126	Biscayne	2/21/2019
10459	25° 50'	80° 9'	59847	NORTH BAY ISLAND & TREASURE ISLAND	FDEP	Class V Non-ASR	-	160	89	Biscayne	7/24/1996
10460	25° 42'	80° 17'	59921	THE SHOPS AT SUNSET PLACE (LAKES?)	FDEP	Class V Non-ASR	-	160	102	Biscayne	1/21/1997
10461	25° 50'	80° 11'	60755	BORDEN DAIRY CO.	FDEP	Class V Non-ASR	-	160	129	Biscayne	8/10/1984
10462	25° 48'	80° 11'	64166	PALM COURT	FDEP	Class V Non-ASR	-	160	110	Biscayne	11/27/2013
10463	25° 48'	80° 11'	65506	SR 112/I-195	FDEP	Class V Non-ASR	-	160	115	Biscayne	7/14/1998
10464	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	160	80	Biscayne	10/15/1999
10465	25° 45'	80° 15'	84305	355 ALHAMBRA	FDEP	Class V Non-ASR	-	160	102	Biscayne	11/1/1999
10466	25° 45'	80° 11'	93699	AXIS	FDEP	Class V Non-ASR	-	160	129	Biscayne	6/15/2006
10467	25° 46'	80° 11'	93723	RIVER FRONT	FDEP	Class V Non-ASR	-	160	140	Biscayne	6/20/2006
10468	25° 46'	80° 11'	93723	RIVER FRONT	FDEP	Class V Non-ASR	-	160	133	Biscayne	3/22/2006
10469	25° 46'	80° 11'	93723	RIVER FRONT	FDEP	Class V Non-ASR	-	160	129	Biscayne	5/6/2006
10470	25° 46'	80° 11'	93723	RIVER FRONT	FDEP	Class V Non-ASR	-	160	127	Biscayne	7/5/2006
10471	25° 45'	80° 11'	93159	PLAZA ON BRICKELL	FDEP	Class V Non-ASR	-	160	131	Biscayne	5/9/2007
10472	25° 47'	80° 11'	92409	I-395 SURFACE PARKING LOT	FDEP	Class V Non-ASR	-	160	137	Biscayne	12/10/2004
10473	25° 48'	80° 12'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	160	120	Biscayne	9/13/2006
10474	25° 48'	80° 12'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	160	120	Biscayne	10/31/2006
10475	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	160	120	Biscayne	3/21/2006
10476	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	160	124	Biscayne	4/27/2006
10477	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	160	120	Biscayne	4/21/2006
10478	25° 46'	80° 11'	91969	BRICKELL TENNIS CLUB NOW BRICKELL CITYCENTRE	FDEP	Class V Non-ASR	-	160	136	Biscayne	6/9/2004
10479	25° 46'	80° 11'	91302	UNITED STATES FEDERAL COURT HOUSE	FDEP	Class V Non-ASR	-	160	132	Biscayne	10/9/2003
10480	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	160	131	Biscayne	9/19/2005
10481	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	160	126	Biscayne	5/25/2005
10482	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	160	131	Biscayne	5/17/2005
10483	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	160	120	Biscayne	5/9/2005
10484	25° 50'	80° 7'	92893	TERRA BEACHSIDE VILLAS	FDEP	Class V Non-ASR	-	160	150	Biscayne	6/19/2006
10485	25° 50'	80° 7'	105850	5775 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	160	120	Biscayne	2/5/2019
10486	25° 48'	80° 11'	102601	MIAMI DESIGN DISTRICT MUSEUM GARAGE	FDEP	Class V Non-ASR	-	160	130	Biscayne	4/27/2016
10487	25° 48'	80° 12'	105107	WYNWOOD DS MIXED USE	FDEP	Class V Non-ASR	-	160	140	Biscayne	6/28/2018
10488	25° 45'	80° 11'	102385	BROADSTONE AT BRICKELL	FDEP	Class V Non-ASR	-	160	139	Biscayne	9/11/2015
10489	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	160	96	Biscayne	1/4/2018
10490	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	160	91	Biscayne	5/13/2019
10491	25° 47'	80° 14'	102720	CURTIS PARK	FDEP	Class V Non-ASR	-	160	85	Biscayne	8/18/2017
10492	25° 47'	80° 14'	102720	CURTIS PARK	FDEP	Class V Non-ASR	-	160	85	Biscayne	8/20/2017
10493	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B-4536)	FDEP	Class V Non-ASR	-	161	90	Biscayne	3/31/2010
10494	25° 47'	80° 13'	57030	PUBLIC RIGHT OF WAY --WAGNER CREEK	FDEP	Class V Non-ASR	-	161	91	Biscayne	4/14/1991
10495	25° 45'	80° 15'	58021	C.B.D. DEVELOPMENT	FDEP	Class V Non-ASR	-	161	102	Biscayne	11/13/1990
10496	25° 54'	80° 9'	61774	TYREE PROPERTIES, INC.	FDEP	Class V Non-ASR	-	161	158	Biscayne	3/4/2008
10497	25° 53'	80° 9'	61836	VOYAGE MOTEL CORP.	FDEP	Class V Non-ASR	-	161	148	Biscayne	8/3/1984
10498	25° 54'	80° 10'	89623	ARCH CREEK ESTATES PH. I & II	FDEP	Class V Non-ASR	-	161	150	Biscayne	3/11/2004
10499	25° 46'	80° 11'	93723	RIVER FRONT	FDEP	Class V Non-ASR	-	161	127	Biscayne	4/12/2006
10500	25° 53'	80° 10'	94434	DRAINAGE IMPROVEMENTS PRIORITY BASIN 2	FDEP	Class V Non-ASR	-	161	155	Biscayne	12/1/2006
10501	25° 48'	80° 11'	93973	MIDTOWN MIAMI PARCEL 4	FDEP	Class V Non-ASR	-	161	127	Biscayne	5/24/2006
10502	25° 53'	80° 9'	65439	FDOT 87066-3503 NORTHEAST 123 ST.	FDEP	Class V Non-ASR	-	162	125	Biscayne	10/31/1991
10503	25° 53'	80° 9'	65439	FDOT 87066-3503 NORTHEAST 123 ST.	FDEP	Class V Non-ASR	-	162	88	Biscayne	10/31/1991
10504	25° 45'	80° 11'	93699	AXIS	FDEP	Class V Non-ASR	-	162	120	Biscayne	5/20/2006

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
10505	25° 46'	80° 11'	93723	RIVER FRONT	FDEP	Class V Non-ASR	-	162	126	Biscayne	1/27/2006
10506	25° 48'	80° 12'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	162	120	Biscayne	6/30/2006
10507	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	162	128	Biscayne	8/7/2006
10508	25° 49'	80° 11'	95479	POINCIANA GROVE	FDEP	Class V Non-ASR	-	162	145	Biscayne	11/13/2008
10509	25° 48'	80° 11'	94163	SHOPS AT MIDTOWN SOUTH BLOCK	FDEP	Class V Non-ASR	-	162	120	Biscayne	6/22/2006
10510	25° 48'	80° 11'	94163	SHOPS AT MIDTOWN SOUTH BLOCK	FDEP	Class V Non-ASR	-	162	120	Biscayne	6/28/2006
10511	25° 53'	80° 7'	59861	BAL HARBOUR VILLAGE	FDEP	Class V Non-ASR	-	163	141	Biscayne	9/13/1996
10512	25° 46'	80° 11'	93723	RIVER FRONT	FDEP	Class V Non-ASR	-	163	142	Biscayne	2/17/2006
10513	25° 50'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	163	145	Biscayne	3/15/2007
10514	25° 48'	80° 7'	94901	MIAMI BEACH ADDITION	FDEP	Class V Non-ASR	-	163	140	Biscayne	10/24/2012
10515	25° 52'	80° 11'	87995	CENTER FOR THE ARTS AND CAMPUS GARAGE	FDEP	Class V Non-ASR	-	164	135	Biscayne	3/8/2010
10516	25° 46'	80° 11'	93723	RIVER FRONT	FDEP	Class V Non-ASR	-	164	129	Biscayne	2/24/2006
10517	25° 46'	80° 11'	93723	RIVER FRONT	FDEP	Class V Non-ASR	-	164	130	Biscayne	3/16/2006
10518	25° 50'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	164	125	Biscayne	2/22/2007
10519	25° 50'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	164	122	Biscayne	4/23/2007
10520	25° 49'	80° 7'	57292	FONTAINBLEAU HILTON HOTEL	FDEP	Class V Non-ASR	-	165	151	Biscayne	3/3/1986
10521	25° 48'	80° 11'	64166	PALM COURT	FDEP	Class V Non-ASR	-	165	116	Biscayne	9/23/2013
10522	25° 48'	80° 7'	65437	STATE ROAD A1A /INDIAN CREEK DRIVE	FDEP	Class V Non-ASR	-	165	114	Biscayne	2/24/1992
10523	25° 54'	80° 10'	89623	ARCH CREEK ESTATES PH. I & II	FDEP	Class V Non-ASR	-	165	154	Biscayne	3/2/2004
10524	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	165	140	Biscayne	5/9/2005
10525	25° 53'	80° 10'	94434	DRAINAGE IMPROVEMENTS PRIORITY BASIN 2	FDEP	Class V Non-ASR	-	165	158	Biscayne	1/17/2007
10526	25° 51'	80° 10'	93966	NE 90TH STREET & NE 10TH AVE	FDEP	Class V Non-ASR	-	165	137	Biscayne	10/3/2006
10527	25° 48'	80° 11'	94753	UNIKA	FDEP	Class V Non-ASR	-	165	125	Biscayne	1/27/2014
10528	25° 48'	80° 11'	102601	MIAMI DESIGN DISTRICT MUSEUM GARAGE	FDEP	Class V Non-ASR	-	165	135	Biscayne	4/25/2016
10529	25° 48'	80° 11'	101993	CITY VIEW GARAGE	FDEP	Class V Non-ASR	-	166	136	Biscayne	10/31/2014
10530	25° 46'	80° 13'	98710	CITY OF MIAMI PUMP STATION 24 - (AKA B 4536)	FDEP	Class V Non-ASR	-	166	90	Biscayne	5/4/2010
10531	25° 46'	80° 11'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	166	139	Biscayne	2/1/1993
10532	25° 47'	80° 13'	57030	PUBLIC RIGHT OF WAY --WAGNER CREEK	FDEP	Class V Non-ASR	-	166	93	Biscayne	4/19/1991
10533	25° 48'	80° 11'	64166	PALM COURT	FDEP	Class V Non-ASR	-	166	116	Biscayne	10/2/2013
10534	25° 48'	80° 7'	65437	STATE ROAD A1A /INDIAN CREEK DRIVE	FDEP	Class V Non-ASR	-	166	119	Biscayne	2/24/1992
10535	25° 53'	80° 11'	86929	PUBLIX # 151	FDEP	Class V Non-ASR	-	166	148	Biscayne	3/2/2001
10536	25° 50'	80° 7'	92893	TERRA BEACHSIDE VILLAS	FDEP	Class V Non-ASR	-	166	150	Biscayne	6/5/2006
10537	25° 46'	80° 12'	105989	MIAMI RIVER WALK PHASE I	FDEP	Class V Non-ASR	-	166	125	Biscayne	5/24/2019
10538	25° 47'	80° 13'	58129	EASTER SEAL SOCIETY OF DADE COUNTY	FDEP	Class V Non-ASR	-	167	93	Biscayne	1/2/1991
10539	25° 53'	80° 11'	61909	WASH PALACE	FDEP	Class V Non-ASR	-	167	162	Biscayne	8/8/1984
10540	25° 54'	80° 10'	62122	DILLON, GORDON	FDEP	Class V Non-ASR	-	167	160	Biscayne	11/16/1984
10541	25° 48'	80° 7'	58881	THE PALMS HOTEL	FDEP	Class V Non-ASR	-	168	148	Biscayne	11/12/2019
10542	25° 48'	80° 7'	62146	GREENBRIAR HOTEL	FDEP	Class V Non-ASR	-	168	153	Biscayne	9/20/1984
10543	25° 49'	80° 7'	90013	FONTAINEBLEAU HOTEL	FDEP	Class V Non-ASR	-	168	145	Biscayne	5/2/2007
10544	25° 50'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	168	136	Biscayne	4/13/2007
10545	25° 48'	80° 7'	60164	KING RICHARD, INC.	FDEP	Class V Non-ASR	-	169	162	Biscayne	12/15/1979
10546	25° 48'	80° 7'	90749	MARRIOTT-CADILLAC COURTYARD HOTEL	FDEP	Class V Non-ASR	-	169	144	Biscayne	3/3/2003
10547	25° 47'	80° 12'	98611	UNIVERSITY OF MIAMI-LIFE SCIENCE PARK	FDEP	Class V Non-ASR	-	170	128	Biscayne	3/23/2010
10548	25° 46'	80° 13'	102163	SR 968 (SW 1ST ST) FROM SW 17 AVE TO SW 6TH AVE	FDEP	Class V Non-ASR	-	170	110	Biscayne	4/7/2017
10549	25° 51'	80° 10'	101573	NE 91 STREET FROM N. BAYSHORE DR. TO NE 10 COURT	FDEP	Class V Non-ASR	-	170	136	Biscayne	5/28/2014
10550	25° 51'	80° 10'	101573	NE 91 STREET FROM N. BAYSHORE DR. TO NE 10 COURT	FDEP	Class V Non-ASR	-	170	136	Biscayne	6/3/2014
10551	25° 50'	80° 11'	100317	CITY OF MIAMI - PALM GROVE	FDEP	Class V Non-ASR	-	170	134	Biscayne	3/8/2012
10552	25° 48'	80° 7'	59037	MASADA CONDOMINIUM	FDEP	Class V Non-ASR	-	170	131	Biscayne	7/22/1992
10553	25° 46'	80° 11'	58361	PARAMOUNT MIAMI WORLDCENTER FKA MIAMI DUTY-FREE	FDEP	Class V Non-ASR	-	170	133	Biscayne	12/14/2016
10554	25° 45'	80° 15'	59448	MG INVESTMENT PONCE DE LEON PLAZA	FDEP	Class V Non-ASR	-	170	103	Biscayne	7/28/1994
10555	25° 48'	80° 12'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	170	130	Biscayne	5/2/2006
10556	25° 46'	80° 11'	91969	BRICKELL TENNIS CLUB NOW BRICKELL CITYCENTRE	FDEP	Class V Non-ASR	-	170	120	Biscayne	1/1/1970
10557	25° 53'	80° 9'	95559	SR 922 NE 123 ST (BISCAYNE BLVD TO BAYSHORE DR.)	FDEP	Class V Non-ASR	-	170	88	Biscayne	3/27/2009
10558	25° 48'	80° 11'	102601	MIAMI DESIGN DISTRICT MUSEUM GARAGE	FDEP	Class V Non-ASR	-	170	137	Biscayne	4/22/2016
10559	25° 48'	80° 11'	102601	MIAMI DESIGN DISTRICT MUSEUM GARAGE	FDEP	Class V Non-ASR	-	170	137	Biscayne	5/15/2016
10560	25° 46'	80° 11'	102711	MIAMI CENTER	FDEP	Class V Non-ASR	-	170	127	Biscayne	6/2/2016
10561	25° 46'	80° 11'	102645	CRA OVERTOWN - 3 MIAMI CENTRAL	FDEP	Class V Non-ASR	-	170	142	Biscayne	8/10/2016
10562	25° 46'	80° 11'	102645	CRA OVERTOWN - 3 MIAMI CENTRAL	FDEP	Class V Non-ASR	-	170	142	Biscayne	9/1/2016
10563	25° 46'	80° 11'	102645	CRA OVERTOWN - 3 MIAMI CENTRAL	FDEP	Class V Non-ASR	-	170	142	Biscayne	9/9/2016
10564	25° 46'	80° 11'	102645	CRA OVERTOWN - 3 MIAMI CENTRAL	FDEP	Class V Non-ASR	-	170	142	Biscayne	7/28/2016
10565	25° 46'	80° 11'	102645	CRA OVERTOWN - 3 MIAMI CENTRAL	FDEP	Class V Non-ASR	-	170	142	Biscayne	9/15/2016
10566	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	170	96	Biscayne	8/20/2017
10567	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	170	89	Biscayne	8/19/2017
10568	25° 48'	80° 11'	105394	4112 NE 1ST AVENUE	FDEP	Class V Non-ASR	-	170	135	Biscayne	10/1/2018
10569	25° 46'	80° 11'	103061	MIAMI WORLD CENTER BLOCK G - 7TH STREET APTS	FDEP	Class V Non-ASR	-	170	126	Biscayne	11/23/2016
10570	25° 46'	80° 11'	103061	MIAMI WORLD CENTER BLOCK G - 7TH STREET APTS	FDEP	Class V Non-ASR	-	170	136	Biscayne	11/30/2016
10571	25° 46'	80° 11'	103061	MIAMI WORLD CENTER BLOCK G - 7TH STREET APTS	FDEP	Class V Non-ASR	-	170	130	Biscayne	12/9/2016
10572	25° 46'	80° 11'	103061	MIAMI WORLD CENTER BLOCK G - 7TH STREET APTS	FDEP	Class V Non-ASR	-	170	126	Biscayne	11/14/2016
10573	25° 48'	80° 11'	102371	MIAMI DESIGN DISTRICT PHASE 3	FDEP	Class V Non-ASR	-	171	136	Biscayne	8/8/2015
10574	25° 49'	80° 7'	57292	FONTAINBLEAU HILTON HOTEL	FDEP	Class V Non-ASR	-	171	144	Biscayne	2/17/1986
10575	25° 54'	80° 9'	89623	ARCH CREEK ESTATES PH. I & II	FDEP	Class V Non-ASR	-	171	164	Biscayne	8/4/2003
10576	25° 45'	80° 12'	97697	SR 972 CORAL WAY SW 12TH AVE TO SW MIAMI AVE	FDEP	Class V Non-ASR	-	171	103	Biscayne	3/27/2009
10577	25° 50'	80° 7'	102814	6080 COLLINS AVE.	FDEP	Class V Non-ASR	-	171	150	Biscayne	7/13/2016
10578	25° 48'	80° 7'	90013	FONTAINEBLEAU HOTEL	FDEP	Class V Non-ASR	-	172	146	Biscayne	4/30/2004
10579	25° 45'	80° 11'	93699	AXIS	FDEP	Class V Non-ASR	-	172	137	Biscayne	8/14/2007
10580	25° 45'	80° 11'	93699	AXIS	FDEP	Class V Non-ASR	-	172	130	Biscayne	6/8/2006
10581	25° 50'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	172	136	Biscayne	7/13/2007
10582	25° 52'	80° 10'	59978	ATRIUM COURT OFFICE BLDG	FDEP	Class V Non-ASR	-	173	145	Biscayne	1/6/1998
10583	25° 48'	80° 11'	64166	PALM COURT	FDEP	Class V Non-ASR	-	173	116	Biscayne	8/9/2013
10584	25° 54'	80° 10'	89623	ARCH CREEK ESTATES PH. I & II	FDEP	Class V Non-ASR	-	173	155	Biscayne	2/20/2004
10585	25° 49'	80° 7'	90013	FONTAINEBLEAU HOTEL	FDEP	Class V Non-ASR	-	173	143	Biscayne	11/19/2003
10586	25° 50'	80° 10'	93243	NE 71 STREET DRAINAGE IMPROVEMENT PROJECT	FDEP	Class V Non-ASR	-	173	127	Biscayne	9/17/2007
10587	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	173	113	Biscayne	4/17/2006
10588	25° 46'	80° 11'	91969	BRICKELL TENNIS CLUB NOW BRICKELL CITYCENTRE	FDEP	Class V Non-ASR	-	173	125	Biscayne	1/1/1970
10589	25° 51'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	173	115	Biscayne	7/19/2007
10590	25° 48'	80° 7'	94901	MIAMI BEACH ADDITION	FDEP	Class V Non-ASR	-	173	158	Biscayne	10/11/2012
10591	25° 48'	80° 7'	94955	SAXONY HOTEL AND CONDO (CIPRIANI)	FDEP	Class V Non-ASR	-	173	144	Biscayne	6/25/2009
10592	25° 48'	80° 7'	94955	SAXONY HOTEL AND CONDO (CIPRIANI)	FDEP	Class V Non-ASR	-	173	136	Biscayne	6/10/2009
10593	25° 50'	80° 11'	100317	CITY OF MIAMI - PALM GROVE	FDEP	Class V Non-ASR	-	174	121	Biscayne	3/2/2012

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
10594	25° 44'	80° 9'	99095	UNIVERSITY OF MIAMI	FDEP	Class V Non-ASR	-	174	122	Biscayne	1/25/2011
10595	25° 48'	80° 11'	102371	MIAMI DESIGN DISTRICT PHASE 3	FDEP	Class V Non-ASR	-	174	135	Biscayne	11/3/2015
10596	25° 48'	80° 11'	102371	MIAMI DESIGN DISTRICT PHASE 3	FDEP	Class V Non-ASR	-	174	135	Biscayne	8/3/2015
10597	25° 48'	80° 7'	102024	ROYAL POLO HOTEL	FDEP	Class V Non-ASR	-	174	140	Biscayne	9/8/2014
10598	25° 52'	80° 10'	56807	BISCAYNE SHORES	FDEP	Class V Non-ASR	-	174	150	Biscayne	5/1/1997
10599	25° 46'	80° 11'	56518	OVERTOWN STRM SEWER RETRO PH-III	FDEP	Class V Non-ASR	-	174	126	Biscayne	5/11/1993
10600	25° 48'	80° 7'	86122	VERSAILLES HOTEL CONDOMINIUM	FDEP	Class V Non-ASR	-	174	140	Biscayne	6/18/2016
10601	25° 54'	80° 10'	89623	ARCH CREEK ESTATES PH. I & II	FDEP	Class V Non-ASR	-	174	156	Biscayne	2/10/2004
10602	25° 51'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	174	113	Biscayne	6/26/2007
10603	25° 45'	80° 12'	97697	SR 972 CORAL WAY SW 12TH AVE TO SW MIAMI AVE	FDEP	Class V Non-ASR	-	174	102	Biscayne	6/1/2009
10604	25° 50'	80° 11'	100317	CITY OF MIAMI - PALM GROVE	FDEP	Class V Non-ASR	-	175	121	Biscayne	2/22/2012
10605	25° 48'	80° 11'	102371	MIAMI DESIGN DISTRICT PHASE 3	FDEP	Class V Non-ASR	-	175	135	Biscayne	11/8/2015
10606	25° 48'	80° 11'	102371	MIAMI DESIGN DISTRICT PHASE 3	FDEP	Class V Non-ASR	-	175	135	Biscayne	11/11/2015
10607	25° 48'	80° 11'	102371	MIAMI DESIGN DISTRICT PHASE 3	FDEP	Class V Non-ASR	-	175	135	Biscayne	5/11/2016
10608	25° 48'	80° 11'	102371	MIAMI DESIGN DISTRICT PHASE 3	FDEP	Class V Non-ASR	-	175	135	Biscayne	8/28/2015
10609	25° 48'	80° 11'	102371	MIAMI DESIGN DISTRICT PHASE 3	FDEP	Class V Non-ASR	-	175	135	Biscayne	6/7/2016
10610	25° 48'	80° 7'	101197	ATLANTIC HOTELS	FDEP	Class V Non-ASR	-	175	125	Biscayne	4/25/2015
10611	25° 48'	80° 7'	101197	ATLANTIC HOTELS	FDEP	Class V Non-ASR	-	175	125	Biscayne	4/23/2015
10612	25° 45'	80° 15'	57290	DOUGLAS ENTRANCE RESTOR. GROUP	FDEP	Class V Non-ASR	-	175	106	Biscayne	1/24/1984
10613	25° 50'	80° 12'	61267	DURO PUMP&SOFTENER	FDEP	Class V Non-ASR	-	175	0	Biscayne	9/6/1984
10614	25° 49'	80° 12'	63880	BLUE RIBBON LAUNDRY	FDEP	Class V Non-ASR	-	175	116	Biscayne	9/6/1984
10615	25° 53'	80° 9'	65439	FDOT 87066-3503 NORTHEAST 123 ST.	FDEP	Class V Non-ASR	-	175	91	Biscayne	10/31/1991
10616	25° 48'	80° 7'	93097	CROWN HOTEL	FDEP	Class V Non-ASR	-	175	143	Biscayne	2/6/2006
10617	25° 47'	80° 13'	92713	MIAMI RIVER OUTFALL RETROFIT BASIN 21	FDEP	Class V Non-ASR	-	175	123	Biscayne	6/13/2007
10618	25° 50'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	175	115	Biscayne	6/28/2007
10619	25° 51'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	175	114	Biscayne	6/20/2007
10620	25° 51'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	175	120	Biscayne	8/7/2007
10621	25° 46'	80° 11'	93852	ASTON MARTIN RESIDENCES FKA DUPONT EAST & WEST	FDEP	Class V Non-ASR	-	175	135	Biscayne	11/20/2018
10622	25° 48'	80° 7'	94955	SAXONY HOTEL AND CONDO (CIPRIANI)	FDEP	Class V Non-ASR	-	175	140	Biscayne	4/8/2013
10623	25° 48'	80° 7'	94955	SAXONY HOTEL AND CONDO (CIPRIANI)	FDEP	Class V Non-ASR	-	175	140	Biscayne	6/4/2013
10624	25° 48'	80° 7'	94955	SAXONY HOTEL AND CONDO (CIPRIANI)	FDEP	Class V Non-ASR	-	175	140	Biscayne	6/4/2013
10625	25° 48'	80° 7'	94955	SAXONY HOTEL AND CONDO (CIPRIANI)	FDEP	Class V Non-ASR	-	175	140	Biscayne	6/4/2013
10626	25° 48'	80° 7'	94955	SAXONY HOTEL AND CONDO (CIPRIANI)	FDEP	Class V Non-ASR	-	175	140	Biscayne	6/4/2013
10627	25° 48'	80° 7'	94955	SAXONY HOTEL AND CONDO (CIPRIANI)	FDEP	Class V Non-ASR	-	175	140	Biscayne	3/23/2013
10628	25° 50'	80° 7'	105850	5775 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	175	155	Biscayne	9/18/2019
10629	25° 43'	80° 14'	103439	GROVE HOUSE	FDEP	Class V Non-ASR	-	175	135	Biscayne	5/24/2017
10630	25° 48'	80° 11'	104736	MIDTOWN 8	FDEP	Class V Non-ASR	-	175	115	Biscayne	12/13/2017
10631	25° 48'	80° 11'	105147	RESTAURANT AT 2801 NW 2ND AVE.	FDEP	Class V Non-ASR	-	175	143	Biscayne	6/28/2018
10632	25° 48'	80° 11'	103174	SWEET BIRD SOUTH	FDEP	Class V Non-ASR	-	175	116	Biscayne	1/30/2017
10633	25° 47'	80° 11'	104500	222 WYNWOOD	FDEP	Class V Non-ASR	-	175	145	Biscayne	11/8/2017
10634	25° 47'	80° 12'	98611	UNIVERSITY OF MIAMI-LIFE SCIENCE PARK	FDEP	Class V Non-ASR	-	176	120	Biscayne	3/16/2010
10635	25° 48'	80° 11'	100271	GARDEN BUILDING	FDEP	Class V Non-ASR	-	176	133	Biscayne	4/19/2012
10636	25° 46'	80° 13'	102163	SR 968 (SW 1ST ST) FROM SW 17 AVE TO SW 6TH AVE	FDEP	Class V Non-ASR	-	176	116	Biscayne	7/28/2017
10637	25° 45'	80° 13'	102114	INTOWN CONDOMINIUMS	FDEP	Class V Non-ASR	-	176	100	Biscayne	3/26/2015
10638	25° 46'	80° 13'	100643	ALTOS PLAZA PUBLIX SUPERMARKET	FDEP	Class V Non-ASR	-	176	129	Biscayne	7/19/2012
10639	25° 50'	80° 11'	100317	CITY OF MIAMI - PALM GROVE	FDEP	Class V Non-ASR	-	176	121	Biscayne	2/21/2012
10640	25° 48'	80° 11'	102371	MIAMI DESIGN DISTRICT PHASE 3	FDEP	Class V Non-ASR	-	176	136	Biscayne	1/14/2016
10641	25° 48'	80° 7'	101197	ATLANTIC HOTELS	FDEP	Class V Non-ASR	-	176	121	Biscayne	11/22/2013
10642	25° 48'	80° 7'	101197	ATLANTIC HOTELS	FDEP	Class V Non-ASR	-	176	136	Biscayne	11/14/2013
10643	25° 48'	80° 7'	101197	ATLANTIC HOTELS	FDEP	Class V Non-ASR	-	176	122	Biscayne	12/5/2013
10644	25° 48'	80° 7'	59037	MASADA CONDOMINIUM	FDEP	Class V Non-ASR	-	176	144	Biscayne	7/22/1992
10645	25° 50'	80° 10'	60522	AMERICAN LEGION	FDEP	Class V Non-ASR	-	176	124	Biscayne	2/21/2019
10646	25° 52'	80° 10'	59960	NE 103 STREET (MIAMI SHORES VILLAGE)	FDEP	Class V Non-ASR	-	176	121	Biscayne	11/27/1997
10647	25° 48'	80° 7'	86122	VERSAILLES HOTEL CONDOMINIUM	FDEP	Class V Non-ASR	-	176	150	Biscayne	6/25/2016
10648	25° 48'	80° 7'	87955	FONTAINEBLEAU HOTEL	FDEP	Class V Non-ASR	-	176	137	Biscayne	8/14/2001
10649	25° 50'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	176	113	Biscayne	8/1/2007
10650	25° 46'	80° 11'	93852	ASTON MARTIN RESIDENCES FKA DUPONT EAST & WEST	FDEP	Class V Non-ASR	-	176	120	Biscayne	10/27/2018
10651	25° 46'	80° 11'	93852	ASTON MARTIN RESIDENCES FKA DUPONT EAST & WEST	FDEP	Class V Non-ASR	-	176	136	Biscayne	10/27/2018
10652	25° 48'	80° 11'	105345	AC HOTEL	FDEP	Class V Non-ASR	-	176	128	Biscayne	10/27/2018
10653	25° 48'	80° 11'	104736	MIDTOWN 8	FDEP	Class V Non-ASR	-	176	115	Biscayne	11/28/2017
10654	25° 45'	80° 15'	102892	STOR-ALL	FDEP	Class V Non-ASR	-	176	140	Biscayne	11/4/2016
10655	25° 45'	80° 15'	102892	STOR-ALL	FDEP	Class V Non-ASR	-	176	147	Biscayne	10/29/2016
10656	25° 48'	80° 7'	102738	LA PETITE MUSE HOTEL	FDEP	Class V Non-ASR	-	176	140	Biscayne	4/13/2016
10657	25° 48'	80° 11'	102371	MIAMI DESIGN DISTRICT PHASE 3	FDEP	Class V Non-ASR	-	177	136	Biscayne	8/18/2015
10658	25° 48'	80° 7'	60704	PLOTKIN, BERNARD	FDEP	Class V Non-ASR	-	177	161	Biscayne	8/2/2018
10659	25° 48'	80° 7'	86122	VERSAILLES HOTEL CONDOMINIUM	FDEP	Class V Non-ASR	-	177	140	Biscayne	6/28/2016
10660	25° 48'	80° 7'	86122	VERSAILLES HOTEL CONDOMINIUM	FDEP	Class V Non-ASR	-	177	140	Biscayne	6/22/2016
10661	25° 48'	80° 7'	86122	VERSAILLES HOTEL CONDOMINIUM	FDEP	Class V Non-ASR	-	177	141	Biscayne	6/30/2016
10662	25° 48'	80° 7'	87955	FONTAINEBLEAU HOTEL	FDEP	Class V Non-ASR	-	177	140	Biscayne	8/31/2001
10663	25° 49'	80° 7'	90013	FONTAINEBLEAU HOTEL	FDEP	Class V Non-ASR	-	177	142	Biscayne	11/20/2002
10664	25° 49'	80° 7'	90013	FONTAINEBLEAU HOTEL	FDEP	Class V Non-ASR	-	177	145	Biscayne	7/12/2007
10665	25° 46'	80° 11'	90875	STORM SEWER IMPROVEMENTS-DOWNTOWN, B-4662	FDEP	Class V Non-ASR	-	177	147	Biscayne	6/25/2003
10666	25° 46'	80° 11'	90875	STORM SEWER IMPROVEMENTS-DOWNTOWN, B-4662	FDEP	Class V Non-ASR	-	177	147	Biscayne	8/6/2003
10667	25° 50'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	177	126	Biscayne	3/8/2007
10668	25° 50'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	177	124	Biscayne	4/5/2007
10669	25° 50'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	177	118	Biscayne	7/25/2007
10670	25° 48'	80° 7'	94901	MIAMI BEACH ADDITION	FDEP	Class V Non-ASR	-	177	148	Biscayne	10/15/2012
10671	25° 46'	80° 11'	95524	CITY OF MIAMI COLLEGE FOR POLICE	FDEP	Class V Non-ASR	-	177	113	Biscayne	3/10/2009
10672	25° 46'	80° 11'	93875	MET 3 CONDOMINIUM	FDEP	Class V Non-ASR	-	177	116	Biscayne	4/2/2012
10673	25° 48'	80° 7'	94955	SAXONY HOTEL AND CONDO (CIPRIANI)	FDEP	Class V Non-ASR	-	177	143	Biscayne	6/19/2009
10674	25° 47'	80° 13'	94836	NCCI NW CLINIC BLDG.	FDEP	Class V Non-ASR	-	177	97	Biscayne	12/4/2007
10675	25° 54'	80° 9'	103237	PARKVIEW VILLAS	FDEP	Class V Non-ASR	-	177	155	Biscayne	7/16/2017
10676	25° 48'	80° 12'	105220	MARGULIES WAREHOUSE ADDITION	FDEP	Class V Non-ASR	-	177	144	Biscayne	7/25/2018
10677	25° 48'	80° 11'	104736	MIDTOWN 8	FDEP	Class V Non-ASR	-	177	117	Biscayne	12/6/2017
10678	25° 48'	80° 11'	104736	MIDTOWN 8	FDEP	Class V Non-ASR	-	177	117	Biscayne	11/20/2017
10679	25° 52'	80° 10'	56807	BISCAYNE SHORES	FDEP	Class V Non-ASR	-	178	149	Biscayne	5/1/1997
10680	25° 52'	80° 12'	64220	WILLIAMSON, MELVIN	FDEP	Class V Non-ASR	-	178	155	Biscayne	10/18/1984
10681	25° 47'	80° 12'	84223	MEDICAL CAMPUS STUDENT PARKING LOT	FDEP	Class V Non-ASR	-	178	120	Biscayne	6/16/2000
10682	25° 48'	80° 7'	86122	VERSAILLES HOTEL CONDOMINIUM	FDEP	Class V Non-ASR	-	178	140	Biscayne	6/16/2016

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Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
10683	25° 54'	80° 8'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	178	160	Biscayne	11/20/2017
10684	25° 48'	80° 12'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	178	120	Biscayne	7/11/2006
10685	25° 48'	80° 11'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	178	125	Biscayne	8/3/2006
10686	25° 50'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	178	124	Biscayne	7/10/2007
10687	25° 48'	80° 7'	94901	MIAMI BEACH ADDITION	FDEP	Class V Non-ASR	-	178	137	Biscayne	10/20/2012
10688	25° 48'	80° 7'	94901	MIAMI BEACH ADDITION	FDEP	Class V Non-ASR	-	178	138	Biscayne	11/3/2012
10689	25° 53'	80° 9'	95559	SR 922 NE 123 ST (BISCAYNE BLVD TO BAYSHORE DR.)	FDEP	Class V Non-ASR	-	178	88	Biscayne	5/15/2009
10690	25° 46'	80° 11'	93852	ASTON MARTIN RESIDENCES FKA DUPONT EAST & WEST	FDEP	Class V Non-ASR	-	178	135	Biscayne	10/27/2018
10691	25° 46'	80° 11'	93852	ASTON MARTIN RESIDENCES FKA DUPONT EAST & WEST	FDEP	Class V Non-ASR	-	178	135	Biscayne	2/6/2019
10692	25° 46'	80° 11'	105088	BRICKELL WORLD PLAZA PH 2	FDEP	Class V Non-ASR	-	178	135	Biscayne	6/2/2018
10693	25° 46'	80° 11'	105088	BRICKELL WORLD PLAZA PH 2	FDEP	Class V Non-ASR	-	178	135	Biscayne	5/25/2018
10694	25° 52'	80° 10'	103032	ESPLANADE	FDEP	Class V Non-ASR	-	178	150	Biscayne	5/24/2019
10695	25° 48'	80° 11'	102071	MIAMI BAY CLUB	FDEP	Class V Non-ASR	-	179	85	Biscayne	12/9/2014
10696	25° 52'	80° 10'	56807	BISCAYNE SHORES	FDEP	Class V Non-ASR	-	179	168	Biscayne	5/1/1997
10697	25° 50'	80° 7'	61481	SHERRY-FRONTENAC HOTEL	FDEP	Class V Non-ASR	-	179	0	Biscayne	7/19/1984
10698	25° 48'	80° 7'	93097	CROWN HOTEL	FDEP	Class V Non-ASR	-	179	154	Biscayne	1/13/2006
10699	25° 50'	80° 7'	93481	MEI CONDOMINIUM	FDEP	Class V Non-ASR	-	179	156	Biscayne	5/2/2006
10700	25° 50'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	179	136	Biscayne	3/5/2007
10701	25° 46'	80° 11'	95524	CITY OF MIAMI COLLEGE FOR POLICE	FDEP	Class V Non-ASR	-	179	118	Biscayne	3/23/2009
10702	25° 46'	80° 11'	93852	ASTON MARTIN RESIDENCES FKA DUPONT EAST & WEST	FDEP	Class V Non-ASR	-	179	137	Biscayne	4/14/2006
10703	25° 46'	80° 13'	102158	SR 968 SW 1ST ST FROM W FLAGLER AVE	FDEP	Class V Non-ASR	-	180	110	Biscayne	11/14/2016
10704	25° 48'	80° 11'	102371	MIAMI DESIGN DISTRICT PHASE 3	FDEP	Class V Non-ASR	-	180	137	Biscayne	11/16/2015
10705	25° 48'	80° 11'	102103	HAMPTON INN & SUITES MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	128	Biscayne	12/4/2014
10706	25° 48'	80° 11'	102103	HAMPTON INN & SUITES MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	130	Biscayne	11/25/2014
10707	25° 48'	80° 12'	57030	PUBLIC RIGHT OF WAY --WAGNER CREEK	FDEP	Class V Non-ASR	-	180	95	Biscayne	4/12/1991
10708	25° 50'	80° 7'	60294	MAISON GRANDE	FDEP	Class V Non-ASR	-	180	166	Biscayne	1/31/1984
10709	25° 50'	80° 10'	60522	AMERICAN LEGION	FDEP	Class V Non-ASR	-	180	125	Biscayne	2/21/2019
10710	25° 47'	80° 12'	59814	JACKSON MEMORIAL HOSPITAL	FDEP	Class V Non-ASR	-	180	120	Biscayne	5/30/2001
10711	25° 45'	80° 15'	59829	TWO-TWENTY ALHAMBRA CIRCLE	FDEP	Class V Non-ASR	-	180	100	Biscayne	1/1/1976
10712	25° 47'	80° 7'	59929	LOEWS	FDEP	Class V Non-ASR	-	180	161	Biscayne	7/9/1996
10713	25° 52'	80° 10'	59960	NE 103 STREET (MIAMI SHORES VILLAGE)	FDEP	Class V Non-ASR	-	180	140	Biscayne	6/2/1998
10714	25° 48'	80° 11'	64166	PALM COURT	FDEP	Class V Non-ASR	-	180	124	Biscayne	4/26/2013
10715	25° 48'	80° 11'	65506	SR 112/I-195	FDEP	Class V Non-ASR	-	180	134	Biscayne	1/16/1999
10716	25° 48'	80° 11'	65506	SR 112/I-195	FDEP	Class V Non-ASR	-	180	125	Biscayne	7/17/1998
10717	25° 48'	80° 11'	65506	SR 112/I-195	FDEP	Class V Non-ASR	-	180	73	Biscayne	10/29/1998
10718	25° 48'	80° 11'	65506	SR 112/I-195	FDEP	Class V Non-ASR	-	180	73	Biscayne	10/20/1998
10719	25° 46'	80° 13'	85178	STATE ROAD 836	FDEP	Class V Non-ASR	-	180	105	Biscayne	2/11/2001
10720	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	180	133	Biscayne	10/29/1999
10721	25° 47'	80° 13'	83914	MIAMI RIVER OUTFALL RETROFITTING BASIN 23	FDEP	Class V Non-ASR	-	180	128	Biscayne	11/8/1999
10722	25° 47'	80° 12'	84223	MEDICAL CAMPUS STUDENT PARKING LOT	FDEP	Class V Non-ASR	-	180	128	Biscayne	9/24/2018
10723	25° 44'	80° 14'	88135	CORAL VIEW APARTMENTS	FDEP	Class V Non-ASR	-	180	100	Biscayne	9/17/2001
10724	25° 54'	80° 9'	91522	BISCAYNE COMMONS	FDEP	Class V Non-ASR	-	180	159	Biscayne	4/28/2004
10725	25° 55'	80° 9'	92275	AVANTI CENTER	FDEP	Class V Non-ASR	-	180	156	Biscayne	9/2/2004
10726	25° 48'	80° 7'	92542	MOSAIC CONDOMINIUMS	FDEP	Class V Non-ASR	-	180	146	Biscayne	2/7/2005
10727	25° 48'	80° 7'	92542	MOSAIC CONDOMINIUMS	FDEP	Class V Non-ASR	-	180	144	Biscayne	1/14/2005
10728	25° 48'	80° 12'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	180	129	Biscayne	3/14/2006
10729	25° 48'	80° 7'	94901	MIAMI BEACH ADDITION	FDEP	Class V Non-ASR	-	180	137	Biscayne	10/29/2012
10730	25° 44'	80° 13'	95485	L'HERMITAGE	FDEP	Class V Non-ASR	-	180	90	Biscayne	11/20/2008
10731	25° 48'	80° 7'	94906	SOHO BEACH HOUSE	FDEP	Class V Non-ASR	-	180	148	Biscayne	1/26/2008
10732	25° 46'	80° 11'	93852	ASTON MARTIN RESIDENCES FKA DUPONT EAST & WEST	FDEP	Class V Non-ASR	-	180	135	Biscayne	2/21/2019
10733	25° 50'	80° 11'	94633	LAFAYETTE SQUARE APARTMENTS	FDEP	Class V Non-ASR	-	180	138	Biscayne	5/14/2007
10734	25° 51'	80° 10'	93966	NE 90TH STREET & NE 10TH AVE	FDEP	Class V Non-ASR	-	180	148	Biscayne	10/12/2006
10735	25° 48'	80° 11'	105068	AMLI CHIQUITA AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	116	Biscayne	4/18/2018
10736	25° 48'	80° 11'	105068	AMLI CHIQUITA AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	116	Biscayne	4/18/2018
10737	25° 48'	80° 11'	105068	AMLI CHIQUITA AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	118	Biscayne	6/9/2018
10738	25° 48'	80° 11'	105068	AMLI CHIQUITA AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	120	Biscayne	6/10/2018
10739	25° 48'	80° 11'	105068	AMLI CHIQUITA AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	116	Biscayne	6/11/2018
10740	25° 48'	80° 11'	105068	AMLI CHIQUITA AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	116	Biscayne	6/10/2018
10741	25° 48'	80° 11'	105068	AMLI CHIQUITA AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	125	Biscayne	6/8/2018
10742	25° 48'	80° 11'	105068	AMLI CHIQUITA AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	116	Biscayne	6/8/2018
10743	25° 48'	80° 11'	105068	AMLI CHIQUITA AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	116	Biscayne	6/7/2018
10744	25° 48'	80° 11'	105068	AMLI CHIQUITA AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	136	Biscayne	6/11/2018
10745	25° 48'	80° 11'	105068	AMLI CHIQUITA AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	136	Biscayne	6/11/2018
10746	25° 48'	80° 11'	105068	AMLI CHIQUITA AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	136	Biscayne	6/5/2018
10747	25° 48'	80° 11'	105068	AMLI CHIQUITA AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	136	Biscayne	6/6/2018
10748	25° 48'	80° 11'	105068	AMLI CHIQUITA AT MIDTOWN MIAMI	FDEP	Class V Non-ASR	-	180	116	Biscayne	6/6/2018
10749	25° 46'	80° 11'	105088	BRICKELL WORLD PLAZA PH 2	FDEP	Class V Non-ASR	-	180	135	Biscayne	5/21/2018
10750	25° 46'	80° 13'	105330	JASMINE	FDEP	Class V Non-ASR	-	180.0	135	Biscayne	8/2/2018
10751	25° 46'	80° 13'	105330	JASMINE	FDEP	Class V Non-ASR	-	180.0	128	Biscayne	8/2/2018
10752	25° 47'	80° 13'	103012	RIVER LANDING	FDEP	Class V Non-ASR	-	180	100	Biscayne	5/17/2019
10753	25° 48'	80° 11'	105108	WYNWOOD WALK	FDEP	Class V Non-ASR	-	180	144	Biscayne	3/4/2018
10754	25° 53'	80° 11'	56815	NORTH MIAMI MIDDLE SCHOOL	FDEP	Class V Non-ASR	-	181	149	Biscayne	1/5/1999
10755	25° 46'	80° 11'	59379	WOLFSON CAMPUS RELIEF WELL	FDEP	Class V Non-ASR	-	181	144	Biscayne	1/30/1994
10756	25° 46'	80° 14'	61073	DADE COUNTY AUDITORIUM	FDEP	Class V Non-ASR	-	181	170	Biscayne	8/30/1984
10757	25° 48'	80° 11'	64166	PALM COURT	FDEP	Class V Non-ASR	-	181	126	Biscayne	5/2/2013
10758	25° 47'	80° 12'	84223	MEDICAL CAMPUS STUDENT PARKING LOT	FDEP	Class V Non-ASR	-	181	120	Biscayne	6/30/2000
10759	25° 54'	80° 9'	91522	BISCAYNE COMMONS	FDEP	Class V Non-ASR	-	181	155	Biscayne	4/10/2004
10760	25° 48'	80° 12'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	181	120	Biscayne	8/31/2006
10761	25° 48'	80° 7'	94906	SOHO BEACH HOUSE	FDEP	Class V Non-ASR	-	181	143	Biscayne	1/26/2008
10762	25° 46'	80° 11'	93852	ASTON MARTIN RESIDENCES FKA DUPONT EAST & WEST	FDEP	Class V Non-ASR	-	181	139	Biscayne	4/7/2006
10763	25° 46'	80° 11'	93852	ASTON MARTIN RESIDENCES FKA DUPONT EAST & WEST	FDEP	Class V Non-ASR	-	181	142	Biscayne	3/4/2006
10764	25° 46'	80° 11'	93852	ASTON MARTIN RESIDENCES FKA DUPONT EAST & WEST	FDEP	Class V Non-ASR	-	181	135	Biscayne	3/23/2006
10765	25° 50'	80° 11'	94633	LAFAYETTE SQUARE APARTMENTS	FDEP	Class V Non-ASR	-	181	138	Biscayne	5/7/2007
10766	25° 48'	80° 11'	94645	CYNERGY (CYNERGI)	FDEP	Class V Non-ASR	-	181	135	Biscayne	6/6/2007
10767	25° 46'	80° 11'	94708	BRICKELL FINANCIAL CENTRE	FDEP	Class V Non-ASR	-	181	137	Biscayne	7/3/2008
10768	25° 48'	80° 12'	94212	LOS SUENOS	FDEP	Class V Non-ASR	-	181	142	Biscayne	8/9/2006
10769	25° 48'	80° 12'	94212	LOS SUENOS	FDEP	Class V Non-ASR	-	181	142	Biscayne	8/3/2006
10770	25° 48'	80° 7'	94334	THE CARIBBEAN	FDEP	Class V Non-ASR	-	181	147	Biscayne	8/14/2006
10771	25° 48'	80° 7'	94334	THE CARIBBEAN	FDEP	Class V Non-ASR	-	181	140	Biscayne	8/19/2006

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
10772	25° 55'	80° 9'	100944	BISCAYNE OFFICE VILLAGE	FDEP	Class V Non-ASR	-	183	150	Biscayne	11/26/2013
10773	25° 47'	80° 13'	62948	OCCUPANT	FDEP	Class V Non-ASR	-	183	176	Biscayne	11/21/1984
10774	25° 46'	80° 11'	92689	MET 1 CONDOMINIUM	FDEP	Class V Non-ASR	-	183	143	Biscayne	4/20/2005
10775	25° 48'	80° 11'	92833	MIDTOWN MIAMI COMM.	FDEP	Class V Non-ASR	-	183	139	Biscayne	4/29/2005
10776	25° 50'	80° 10'	93243	NE 71 STREET DRAINAGE IMPROVEMENT PROJECT	FDEP	Class V Non-ASR	-	184	128	Biscayne	9/27/2007
10777	25° 48'	80° 7'	94901	MIAMI BEACH ADDITION	FDEP	Class V Non-ASR	-	184	148	Biscayne	5/4/2012
10778	25° 50'	80° 11'	91171	PALM BAY PLAZA	FDEP	Class V Non-ASR	-	185	173	Biscayne	10/2/2003
10779	25° 48'	80° 17'	61180	DON ALLEN CHEVROLET	FDEP	Class V Non-ASR	-	185	174	Biscayne	9/4/1984
10780	25° 50'	80° 10'	60522	AMERICAN LEGION	FDEP	Class V Non-ASR	-	185	125	Biscayne	2/21/2019
10781	25° 50'	80° 7'	92638	ALLISON ROAD AT NW 63RD STREET	FDEP	Class V Non-ASR	-	185	140	Biscayne	9/29/2009
10782	25° 50'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	185	130	Biscayne	2/12/2007
10783	25° 48'	80° 12'	104520	WYNWOOD 25	FDEP	Class V Non-ASR	-	185	145	Biscayne	8/9/2017
10784	25° 48'	80° 12'	104520	WYNWOOD 25	FDEP	Class V Non-ASR	-	185	145	Biscayne	8/7/2017
10785	25° 48'	80° 12'	104520	WYNWOOD 25	FDEP	Class V Non-ASR	-	185	145	Biscayne	8/7/2017
10786	25° 48'	80° 12'	104520	WYNWOOD 25	FDEP	Class V Non-ASR	-	185	145	Biscayne	8/9/2017
10787	25° 50'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	186	120	Biscayne	2/5/2007
10788	25° 50'	80° 7'	92893	TERRA BEACHSIDE VILLAS	FDEP	Class V Non-ASR	-	186	150	Biscayne	4/5/2002
10789	25° 54'	80° 9'	95054	LEXUS OF NORTH MIAMI	FDEP	Class V Non-ASR	-	186	143	Biscayne	11/10/2008
10790	25° 55'	80° 9'	100944	BISCAYNE OFFICE VILLAGE	FDEP	Class V Non-ASR	-	187	150	Biscayne	12/20/2013
10791	25° 52'	80° 9'	56807	BISCAYNE SHORES	FDEP	Class V Non-ASR	-	187	123	Biscayne	5/1/1997
10792	25° 47'	80° 12'	59814	JACKSON MEMORIAL HOSPITAL	FDEP	Class V Non-ASR	-	187	120	Biscayne	5/20/1996
10793	25° 48'	80° 7'	90013	FONTAINEBLEAU HOTEL	FDEP	Class V Non-ASR	-	187	150	Biscayne	5/20/2004
10794	25° 46'	80° 11'	94831	MET II OFFICE	FDEP	Class V Non-ASR	-	187	138	Biscayne	4/21/2009
10795	25° 46'	80° 11'	94831	MET II OFFICE	FDEP	Class V Non-ASR	-	187	138	Biscayne	4/21/2009
10796	25° 46'	80° 13'	102158	SR 968 SW 1ST ST FROM W FLAGLER AVE	FDEP	Class V Non-ASR	-	188	120	Biscayne	11/7/2016
10797	25° 47'	80° 12'	84223	MEDICAL CAMPUS STUDENT PARKING LOT	FDEP	Class V Non-ASR	-	188	120	Biscayne	6/23/2000
10798	25° 54'	80° 10'	89623	ARCH CREEK ESTATES PH. I & II	FDEP	Class V Non-ASR	-	188	171	Biscayne	1/12/2004
10799	25° 50'	80° 10'	93243	NE 71 STREET DRAINAGE IMPROVEMENT PROJECT	FDEP	Class V Non-ASR	-	188	130	Biscayne	9/18/2007
10800	25° 50'	80° 11'	92784	SR 5/US 1 (BISCAYNE BLVD)	FDEP	Class V Non-ASR	-	188	142	Biscayne	2/28/2007
10801	25° 54'	80° 9'	91522	BISCAYNE COMMONS	FDEP	Class V Non-ASR	-	189	159	Biscayne	3/29/2004
10802	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	189	160	Biscayne	3/30/2005
10803	25° 48'	80° 7'	94901	MIAMI BEACH ADDITION	FDEP	Class V Non-ASR	-	189	157	Biscayne	5/4/2012
10804	25° 46'	80° 13'	102158	SR 968 SW 1ST ST FROM W FLAGLER AVE	FDEP	Class V Non-ASR	-	190	120	Biscayne	10/20/2016
10805	25° 46'	80° 13'	102158	SR 968 SW 1ST ST FROM W FLAGLER AVE	FDEP	Class V Non-ASR	-	190	120	Biscayne	11/2/2016
10806	25° 48'	80° 7'	101919	BEACH HOUSE 8	FDEP	Class V Non-ASR	-	190	136	Biscayne	9/26/2014
10807	25° 53'	80° 9'	57845	SHOPS OF ARCH CREEK	FDEP	Class V Non-ASR	-	190	155	Biscayne	5/1/1989
10808	25° 47'	80° 12'	84223	MEDICAL CAMPUS STUDENT PARKING LOT	FDEP	Class V Non-ASR	-	190	128	Biscayne	9/24/2018
10809	25° 48'	80° 7'	90013	FONTAINEBLEAU HOTEL	FDEP	Class V Non-ASR	-	190	143	Biscayne	12/9/2003
10810	25° 48'	80° 7'	90013	FONTAINEBLEAU HOTEL	FDEP	Class V Non-ASR	-	190	147	Biscayne	12/20/2002
10811	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	190	160	Biscayne	6/15/2015
10812	25° 54'	80° 9'	95054	LEXUS OF NORTH MIAMI	FDEP	Class V Non-ASR	-	190	144	Biscayne	11/10/2008
10813	25° 48'	80° 7'	94901	MIAMI BEACH ADDITION	FDEP	Class V Non-ASR	-	190	150	Biscayne	4/19/2012
10814	25° 46'	80° 11'	93852	ASTON MARTIN RESIDENCES FKA DUPONT EAST & WEST	FDEP	Class V Non-ASR	-	190	156	Biscayne	4/2/2006
10815	25° 48'	80° 7'	94334	THE CARIBBEAN	FDEP	Class V Non-ASR	-	190	154	Biscayne	9/15/2006
10816	25° 48'	80° 7'	94334	THE CARIBBEAN	FDEP	Class V Non-ASR	-	190	160	Biscayne	9/22/2006
10817	25° 50'	80° 7'	102814	6080 COLLINS AVE.	FDEP	Class V Non-ASR	-	190	149	Biscayne	8/11/2016
10818	25° 48'	80° 12'	105534	545 WYNWOOD	FDEP	Class V Non-ASR	-	190	144	Biscayne	2/19/2019
10819	25° 48'	80° 12'	105534	545 WYNWOOD	FDEP	Class V Non-ASR	-	190	144	Biscayne	2/16/2019
10820	25° 48'	80° 12'	105534	545 WYNWOOD	FDEP	Class V Non-ASR	-	190	144	Biscayne	2/27/2019
10821	25° 48'	80° 12'	105534	545 WYNWOOD	FDEP	Class V Non-ASR	-	190	144	Biscayne	1/29/2019
10822	25° 54'	80° 9'	91522	BISCAYNE COMMONS	FDEP	Class V Non-ASR	-	191	160	Biscayne	3/23/2004
10823	25° 54'	80° 9'	91522	BISCAYNE COMMONS	FDEP	Class V Non-ASR	-	191	152	Biscayne	3/11/2004
10824	25° 54'	80° 9'	91522	BISCAYNE COMMONS	FDEP	Class V Non-ASR	-	191	156	Biscayne	4/3/2004
10825	25° 46'	80° 11'	92689	MET 1 CONDOMINIUM	FDEP	Class V Non-ASR	-	191	154	Biscayne	3/22/2005
10826	25° 49'	80° 12'	56797	STATE SCHOOL EE (MIA.EDISON REPL.)	FDEP	Class V Non-ASR	-	192	143	Biscayne	4/11/1996
10827	25° 52'	80° 9'	56807	BISCAYNE SHORES	FDEP	Class V Non-ASR	-	192	126	Biscayne	5/1/1997
10828	25° 52'	80° 9'	56807	BISCAYNE SHORES	FDEP	Class V Non-ASR	-	192	122	Biscayne	5/1/1997
10829	25° 45'	80° 15'	59829	TWO-TWENTY ALHAMBRA CIRCLE	FDEP	Class V Non-ASR	-	192	100	Biscayne	7/9/1996
10830	25° 54'	80° 9'	91522	BISCAYNE COMMONS	FDEP	Class V Non-ASR	-	192	155	Biscayne	2/19/2004
10831	25° 54'	80° 9'	91522	BISCAYNE COMMONS	FDEP	Class V Non-ASR	-	192	156	Biscayne	3/17/2004
10832	25° 45'	80° 15'	93812	2020 PONCE DE LEON OFFICE CONDOMINIUM	FDEP	Class V Non-ASR	-	192	130	Biscayne	8/20/2007
10833	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	192	160	Biscayne	3/21/2005
10834	25° 46'	80° 11'	92689	MET 1 CONDOMINIUM	FDEP	Class V Non-ASR	-	192	156	Biscayne	4/4/2005
10835	25° 48'	80° 7'	93491	FONTAINEBLEAU III	FDEP	Class V Non-ASR	-	192	157	Biscayne	1/19/2007
10836	25° 54'	80° 9'	95054	LEXUS OF NORTH MIAMI	FDEP	Class V Non-ASR	-	192	144	Biscayne	11/10/2008
10837	25° 49'	80° 11'	56797	STATE SCHOOL EE (MIA.EDISON REPL.)	FDEP	Class V Non-ASR	-	193	146	Biscayne	4/11/1996
10838	25° 54'	80° 9'	89623	ARCH CREEK ESTATES PH. I & II	FDEP	Class V Non-ASR	-	193	178	Biscayne	9/30/2003
10839	25° 54'	80° 9'	91522	BISCAYNE COMMONS	FDEP	Class V Non-ASR	-	193	157	Biscayne	3/6/2004
10840	25° 45'	80° 12'	97697	SR 972 CORAL WAY SW 12TH AVE TO SW MIAMI AVE	FDEP	Class V Non-ASR	-	193	102	Biscayne	4/8/2009
10841	25° 46'	80° 13'	102158	SR 968 SW 1ST ST FROM W FLAGLER AVE	FDEP	Class V Non-ASR	-	195	120	Biscayne	10/4/2016
10842	25° 48'	80° 11'	102071	MIAMI BAY CLUB	FDEP	Class V Non-ASR	-	195	90	Biscayne	12/18/2014
10843	25° 49'	80° 11'	56797	STATE SCHOOL EE (MIA.EDISON REPL.)	FDEP	Class V Non-ASR	-	195	140	Biscayne	4/11/1996
10844	25° 49'	80° 11'	56477	CITY OF MIAMI, PUBLIC RIGHT OF WAY	FDEP	Class V Non-ASR	-	195	124	Biscayne	9/5/1991
10845	25° 53'	80° 9'	65447	BISCAYNE BLVD. NE 123 ST/135 ST.DOT	FDEP	Class V Non-ASR	-	195	75	Biscayne	7/22/1992
10846	25° 50'	80° 10'	93243	NE 71 STREET DRAINAGE IMPROVEMENT PROJECT	FDEP	Class V Non-ASR	-	195	132	Biscayne	9/5/2007
10847	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	195	160	Biscayne	6/30/2015
10848	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	195	160	Biscayne	6/11/2015
10849	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	195	160	Biscayne	6/19/2015
10850	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	195	160	Biscayne	8/8/2018
10851	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	195	160	Biscayne	8/2/2018
10852	25° 48'	80° 12'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	195	129	Biscayne	3/30/2006
10853	25° 46'	80° 13'	102163	SR 968 (SW 1ST ST) FROM SW 17 AVE TO SW 6TH AVE	FDEP	Class V Non-ASR	-	196	110	Biscayne	5/18/2017
10854	25° 47'	80° 12'	97977	LINDSEY HOPKINS TECHNICAL EDUCATION CENTER	FDEP	Class V Non-ASR	-	196	131	Biscayne	7/20/2009
10855	25° 49'	80° 11'	56797	STATE SCHOOL EE (MIA.EDISON REPL.)	FDEP	Class V Non-ASR	-	196	137	Biscayne	4/11/1996
10856	25° 49'	80° 11'	56797	STATE SCHOOL EE (MIA.EDISON REPL.)	FDEP	Class V Non-ASR	-	196	144	Biscayne	4/11/1996
10857	25° 47'	80° 12'	84223	MEDICAL CAMPUS STUDENT PARKING LOT	FDEP	Class V Non-ASR	-	196	128	Biscayne	9/24/2018
10858	25° 50'	80° 10'	93243	NE 71 STREET DRAINAGE IMPROVEMENT PROJECT	FDEP	Class V Non-ASR	-	196	130	Biscayne	10/12/2007
10859	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	196	160	Biscayne	8/2/2018
10860	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	196	160	Biscayne	5/25/2018

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
10861	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	196	160	Biscayne	10/16/2018
10862	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	196	160	Biscayne	10/16/2018
10863	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	196	160	Biscayne	10/16/2018
10864	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	196	160	Biscayne	10/16/2018
10865	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	196	160	Biscayne	10/16/2018
10866	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	196	160	Biscayne	10/16/2018
10867	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	196	160	Biscayne	1/25/2016
10868	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	196	160	Biscayne	11/14/2016
10869	25° 48'	80° 12'	92586	FDOT SR 25 (36TH STREET)	FDEP	Class V Non-ASR	-	196	124	Biscayne	3/14/2006
10870	25° 46'	80° 11'	93875	MET 3 CONDOMINIUM	FDEP	Class V Non-ASR	-	196	116	Biscayne	2/13/2012
10871	25° 54'	80° 9'	93901	NORTH MIAMI BRANCH POST OFFICE	FDEP	Class V Non-ASR	-	196	156	Biscayne	3/21/2006
10872	25° 54'	80° 9'	93901	NORTH MIAMI BRANCH POST OFFICE	FDEP	Class V Non-ASR	-	196	156	Biscayne	3/12/2006
10873	25° 54'	80° 9'	93901	NORTH MIAMI BRANCH POST OFFICE	FDEP	Class V Non-ASR	-	196	156	Biscayne	3/29/2006
10874	25° 54'	80° 9'	94147	BISCAYNE LANDING PHASE 1A	FDEP	Class V Non-ASR	-	196	158	Biscayne	8/8/2006
10875	25° 54'	80° 9'	94147	BISCAYNE LANDING PHASE 1A	FDEP	Class V Non-ASR	-	196	158	Biscayne	8/25/2006
10876	25° 54'	80° 9'	94147	BISCAYNE LANDING PHASE 1A	FDEP	Class V Non-ASR	-	196	158	Biscayne	9/11/2006
10877	25° 54'	80° 9'	94147	BISCAYNE LANDING PHASE 1A	FDEP	Class V Non-ASR	-	196	158	Biscayne	8/16/2006
10878	25° 50'	80° 12'	95469	THE EMERALD	FDEP	Class V Non-ASR	-	196	153	Biscayne	11/17/2008
10879	25° 49'	80° 12'	56797	STATE SCHOOL EE (MIA.EDISON REPL.)	FDEP	Class V Non-ASR	-	197	147	Biscayne	4/11/1996
10880	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	197	160	Biscayne	10/16/2018
10881	25° 50'	80° 7'	105850	5775 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	197	155	Biscayne	10/1/2019
10882	25° 49'	80° 7'	99658	WILLIAM H. DEAN RESIDENCE	FDEP	Class V Non-ASR	-	198	177	Biscayne	8/19/2011
10883	25° 53'	80° 9'	100783	BAYVIEW TOWER AKA DOME CONDOMINIUM	FDEP	Class V Non-ASR	-	198	75	Biscayne	5/21/2013
10884	25° 49'	80° 7'	59588	CAPOBELLA	FDEP	Class V Non-ASR	-	198	149	Biscayne	3/1/1995
10885	25° 48'	80° 7'	90013	FONTAINEBLEAU HOTEL	FDEP	Class V Non-ASR	-	198	163	Biscayne	7/30/2004
10886	25° 46'	80° 11'	94831	MET II OFFICE	FDEP	Class V Non-ASR	-	198	176	Biscayne	11/6/2007
10887	25° 48'	80° 7'	105392	THE CONTINENTAL HOTEL RENOVATION	FDEP	Class V Non-ASR	-	198	156	Biscayne	8/21/2018
10888	25° 49'	80° 12'	56797	STATE SCHOOL EE (MIA.EDISON REPL.)	FDEP	Class V Non-ASR	-	199	141	Biscayne	10/29/1997
10889	25° 49'	80° 11'	56797	STATE SCHOOL EE (MIA.EDISON REPL.)	FDEP	Class V Non-ASR	-	199	148	Biscayne	4/11/1996
10890	25° 49'	80° 7'	94982	EDEN ROC RESORT & SPA	FDEP	Class V Non-ASR	-	199	155	Biscayne	5/28/2008
10891	25° 49'	80° 7'	94982	EDEN ROC RESORT & SPA	FDEP	Class V Non-ASR	-	199	154	Biscayne	6/20/2008
10892	25° 46'	80° 11'	94831	MET II OFFICE	FDEP	Class V Non-ASR	-	199	175	Biscayne	10/23/2007
10893	25° 50'	80° 12'	95469	THE EMERALD	FDEP	Class V Non-ASR	-	199	153	Biscayne	11/20/2008
10894	25° 46'	80° 12'	102163	SR 968 (SW 1ST ST) FROM SW 17 AVE TO SW 6TH AVE	FDEP	Class V Non-ASR	-	200	104	Biscayne	3/30/2017
10895	25° 48'	80° 11'	102071	MIAMI BAY CLUB	FDEP	Class V Non-ASR	-	200	94	Biscayne	12/19/2014
10896	25° 48'	80° 11'	102071	MIAMI BAY CLUB	FDEP	Class V Non-ASR	-	200	90	Biscayne	12/31/2014
10897	25° 46'	80° 13'	100643	ALTOS PLAZA PUBLIX SUPERMARKET	FDEP	Class V Non-ASR	-	200	125	Biscayne	7/31/2012
10898	25° 47'	80° 12'	59814	JACKSON MEMORIAL HOSPITAL	FDEP	Class V Non-ASR	-	200	120	Biscayne	5/20/1996
10899	25° 48'	80° 7'	59928	RIU FLORIDA BEACH HOTEL	FDEP	Class V Non-ASR	-	200	156	Biscayne	5/2/1997
10900	25° 48'	80° 7'	90013	FONTAINEBLEAU HOTEL	FDEP	Class V Non-ASR	-	200	152	Biscayne	1/11/2007
10901	25° 54'	80° 9'	91522	BISCAYNE COMMONS	FDEP	Class V Non-ASR	-	200	156	Biscayne	2/11/2004
10902	25° 54'	80° 9'	92498	HIGHLAND VILLAGE	FDEP	Class V Non-ASR	-	200	135	Biscayne	1/8/2005
10903	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	160	Biscayne	11/11/2005
10904	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	160	Biscayne	11/23/2005
10905	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	160	Biscayne	5/25/2018
10906	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	160	Biscayne	9/16/2018
10907	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	160	Biscayne	9/14/2018
10908	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	160	Biscayne	9/10/2018
10909	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	160	Biscayne	9/11/2018
10910	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	160	Biscayne	9/16/2018
10911	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	160	Biscayne	8/12/2018
10912	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	176	Biscayne	9/9/2018
10913	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	160	Biscayne	9/17/2018
10914	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	160	Biscayne	8/8/2018
10915	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	160	Biscayne	9/16/2018
10916	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	160	Biscayne	9/16/2018
10917	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	160	Biscayne	9/10/2018
10918	25° 54'	80° 9'	92529	BISCAYNE LANDINGS	FDEP	Class V Non-ASR	-	200	160	Biscayne	12/7/2016
10919	25° 54'	80° 9'	95054	LEXUS OF NORTH MIAMI	FDEP	Class V Non-ASR	-	200	150	Biscayne	10/7/2008
10920	25° 54'	80° 9'	94506	BISCAYNE LANDINGS BLVD. & 151ST STREET	FDEP	Class V Non-ASR	-	200	160	Biscayne	12/1/2006
10921	25° 47'	80° 13'	94654	AMBER GARDEN	FDEP	Class V Non-ASR	-	200	120	Biscayne	8/20/2007
10922	25° 47'	80° 13'	105911	17 ALLAPATTAH	FDEP	Class V Non-ASR	-	200	132	Biscayne	9/18/2019
10923	25° 49'	80° 7'	90013	FONTAINEBLEAU HOTEL	FDEP	Class V Non-ASR	-	201	181	Biscayne	7/14/2004
10924	25° 54'	80° 9'	91522	BISCAYNE COMMONS	FDEP	Class V Non-ASR	-	201	160	Biscayne	5/17/2004
10925	25° 46'	80° 11'	92689	MET 1 CONDOMINIUM	FDEP	Class V Non-ASR	-	201	157	Biscayne	4/11/2005
10926	25° 52'	80° 9'	56807	BISCAYNE SHORES	FDEP	Class V Non-ASR	-	202	141	Biscayne	5/1/1997
10927	25° 49'	80° 7'	59979	BLUE DIAMOND CONDOMINIUM	FDEP	Class V Non-ASR	-	202	141	Biscayne	3/18/1999
10928	25° 49'	80° 7'	59979	BLUE DIAMOND CONDOMINIUM	FDEP	Class V Non-ASR	-	202	142	Biscayne	5/28/1998
10929	25° 48'	80° 7'	90749	MARRIOTT-CADILLAC COURTYARD HOTEL	FDEP	Class V Non-ASR	-	202	145	Biscayne	10/29/2012
10930	25° 54'	80° 9'	89623	ARCH CREEK ESTATES PH. I & II	FDEP	Class V Non-ASR	-	202	199	Biscayne	8/8/2003
10931	25° 49'	80° 7'	59628	EDEN ROC RESORT	FDEP	Class V Non-ASR	-	205	152	Biscayne	8/20/1995
10932	25° 48'	80° 13'	65492	FDOT-SR 25/NW 36TH STREET	FDEP	Class V Non-ASR	-	207	189	Biscayne	6/6/1997
10933	25° 48'	80° 13'	65505	FDOT SR 25/NW 36TH STREET	FDEP	Class V Non-ASR	-	207	189	Biscayne	6/6/1997
10934	25° 54'	80° 9'	95054	LEXUS OF NORTH MIAMI	FDEP	Class V Non-ASR	-	207	160	Biscayne	9/30/2008
10935	25° 49'	80° 7'	94982	EDEN ROC RESORT & SPA	FDEP	Class V Non-ASR	-	207	148	Biscayne	7/31/2008
10936	25° 50'	80° 7'	57495	LE RIVE GAUCHE	FDEP	Class V Non-ASR	-	209	163	Biscayne	6/24/1988
10937	25° 48'	80° 7'	90749	MARRIOTT-CADILLAC COURTYARD HOTEL	FDEP	Class V Non-ASR	-	210	147	Biscayne	1/1/1970
10938	25° 48'	80° 7'	90749	MARRIOTT-CADILLAC COURTYARD HOTEL	FDEP	Class V Non-ASR	-	210	147	Biscayne	1/1/1970
10939	25° 48'	80° 7'	90749	MARRIOTT-CADILLAC COURTYARD HOTEL	FDEP	Class V Non-ASR	-	210	147	Biscayne	9/4/2012
10940	25° 46'	80° 11'	93875	MET 3 CONDOMINIUM	FDEP	Class V Non-ASR	-	210	116	Biscayne	6/17/2014
10941	25° 54'	80° 8'	94086	STATE SCHOOL QQ1	FDEP	Class V Non-ASR	-	210	208	Biscayne	5/24/2006
10942	25° 54'	80° 9'	95054	LEXUS OF NORTH MIAMI	FDEP	Class V Non-ASR	-	211	157	Biscayne	10/18/2008
10943	25° 54'	80° 9'	95054	LEXUS OF NORTH MIAMI	FDEP	Class V Non-ASR	-	215	156	Biscayne	9/30/2008
10944	25° 54'	80° 9'	95054	LEXUS OF NORTH MIAMI	FDEP	Class V Non-ASR	-	215	156	Biscayne	10/8/2008
10945	25° 50'	80° 7'	58283	6060 INDIAN CREEK	FDEP	Class V Non-ASR	-	217	170	Biscayne	1/7/1991
10946	25° 53'	80° 11'	90846	FAMILY DOLLAR	FDEP	Class V Non-ASR	-	217	170	Biscayne	4/17/2003
10947	25° 50'	80° 7'	59339	MAISON PACO RABANNE	FDEP	Class V Non-ASR	-	218	160	Biscayne	6/21/1994
10948	25° 52'	80° 9'	56807	BISCAYNE SHORES	FDEP	Class V Non-ASR	-	220	143	Biscayne	5/1/1997
10949	25° 49'	80° 12'	61478	SHELLS CITY OF MIAMI	FDEP	Class V Non-ASR	-	220	200	Biscayne	7/19/1984

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
10950	25° 48'	80° 12'	65490	FDOT-SR25/NW 36TH STREET	FDEP	Class V Non-ASR	-	220	124	Biscayne	8/1/1997
10951	25° 50'	80° 7'	105850	5775 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	220	146	Biscayne	1/28/2019
10952	25° 50'	80° 7'	105850	5775 COLLINS CONDOMINIUMS	FDEP	Class V Non-ASR	-	220	160	Biscayne	2/12/2019
10953	25° 50'	80° 7'	57960	L'EXCELLENCE	FDEP	Class V Non-ASR	-	222	160	Biscayne	12/4/1989
10954	25° 52'	80° 10'	59960	NE 103 STREET (MIAMI SHORES VILLAGE)	FDEP	Class V Non-ASR	-	222	137	Biscayne	5/28/1998
10955	25° 49'	80° 7'	94982	EDEN ROC RESORT & SPA	FDEP	Class V Non-ASR	-	222	154	Biscayne	3/28/2008
10956	25° 48'	80° 12'	65490	FDOT-SR25/NW 36TH STREET	FDEP	Class V Non-ASR	-	225	127	Biscayne	8/1/1997
10957	25° 47'	80° 12'	98611	UNIVERSITY OF MIAMI-LIFE SCIENCE PARK	FDEP	Class V Non-ASR	-	226	132	Biscayne	2/11/2010
10958	25° 52'	80° 7'	65465	FDOT-COLLINS/HARDING AVE. [75/95ST]	FDEP	Class V Non-ASR	-	228	150	Biscayne	7/28/1994
10959	25° 49'	80° 7'	94982	EDEN ROC RESORT & SPA	FDEP	Class V Non-ASR	-	228	152	Biscayne	3/19/2008
10960	25° 52'	80° 9'	56807	BISCAYNE SHORES	FDEP	Class V Non-ASR	-	230	123	Biscayne	5/1/1997
10961	25° 46'	80° 11'	94831	MET II OFFICE	FDEP	Class V Non-ASR	-	235	179	Biscayne	1/12/2008
10962	25° 47'	80° 12'	98611	UNIVERSITY OF MIAMI-LIFE SCIENCE PARK	FDEP	Class V Non-ASR	-	237	136	Biscayne	3/8/2010
10963	25° 51'	80° 7'	58837	THE STERLING	FDEP	Class V Non-ASR	-	238	143	Biscayne	12/3/1991
10964	25° 46'	80° 11'	94831	MET II OFFICE	FDEP	Class V Non-ASR	-	242	176	Biscayne	1/15/2008
10965	25° 44'	80° 15'	60783	FASCELL, C. A.	FDEP	Class V Non-ASR	-	300	0	Biscayne	8/15/1984
10966	25° 41'	80° 19'	63861	KENDALL PARK APTS.	FDEP	Monitor		0	-	Biscayne	-
10967	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10968	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10969	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10970	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10971	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10972	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10973	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10974	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10975	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10976	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10977	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10978	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10979	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10980	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10981	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10982	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10983	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10984	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10985	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10986	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10987	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10988	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10989	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10990	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10991	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10992	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10993	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10994	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10995	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10996	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10997	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10998	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
10999	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11000	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11001	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11002	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11003	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11004	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11005	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11006	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11007	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11008	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11009	25° 47'	80° 7'	94380	CITY OF MIAMI BEACH ASR	FDEP	Monitor	-	15	-	Biscayne	-
11010	25° 47'	80° 7'	94380	CITY OF MIAMI BEACH ASR	FDEP	Monitor	-	15	-	Biscayne	-
11011	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11012	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11013	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11014	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11015	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11016	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11017	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11018	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	15	-	Biscayne	-
11019	25° 48'	80° 17'	56833	MIAMI INTERNATIONAL AIRPORT	FDEP	Monitor	-	31	-	Biscayne	-
11020	25° 47'	80° 7'	94380	CITY OF MIAMI BEACH ASR	FDEP	Monitor		50	-	Biscayne	-
11021	25° 47'	80° 7'	94380	CITY OF MIAMI BEACH ASR	FDEP	Monitor	-	50	-	Biscayne	-
11022	25° 47'	80° 7'	94380	CITY OF MIAMI BEACH ASR	FDEP	Monitor	-	75	-	Biscayne	-
11023	25° 55'	80° 9'	56453	MIAMI-DADE ND WWTP MW FA-6N	FDEP	Monitor	6.625	1400	1500	Upper Floridan	-
11024	25° 55'	80° 9'	56453	MIAMI-DADE ND WWTP MW FA-5N	FDEP	Monitor	6.625	1400	1500	Upper Floridan	-
11025	25° 54'	80° 9'	99295	CITY OF NORTH MIAMI BISCAYNE LANDING MW-1	FDEP	Monitor	-	1500	1450	Upper Floridan	-
11026	25° 55'	80° 8'	56453	MIAMI-DADE ND MW FA-2N LZ 1415FT-1505FT= MT18895B	FDEP	Monitor	6	1505	1415	Upper Floridan	-
11027	25° 55'	80° 8'	56453	MIAMI-DADE ND MW FA-3N LZ 1410FT-1510FT MT 18898B	FDEP	Monitor	6	1510	1410	Upper Floridan	-
11028	25° 55'	80° 8'	56453	MIAMI-DADE ND MW FA-4N LZ 1410FT-1510FT MT18900B	FDEP	Monitor	6	1510	1410	Upper Floridan	-
11029	25° 55'	80° 8'	56453	MIAMI-DADE ND MW FA-1N LZ 1412FT-1513FT MT=18892B	FDEP	Monitor	6	1513	1412	Upper Floridan	-
11030	25° 45'	80° 8'	101237	MIAMI-DADE CENTRAL WWTP MONITOR WELL CDMMW-2	FDEP	Monitor	6.625	1600	1650	Upper Floridan	-
11031	25° 45'	80° 8'	101237	MIAMI-DADE CENTRAL WWTP MONITOR WELL CDMMW-3	FDEP	Monitor	6.625	1600	1650	Upper Floridan	-
11032	25° 45'	80° 9'	101237	MIAMI-DADE CENTRAL WWTP MONITOR WELL CDMMW-4	FDEP	Monitor	6.625	1600	1650	Upper Floridan	
11033	25° 45'	80° 9'	101237	MIAMI-DADE CENTRAL WWTP MONITOR WELL CDMMW-5	FDEP	Monitor	6.625	1600	1650	Upper Floridan	-
11034	25° 44'	80° 8'	101237	MIAMI-DADE CENTRAL WWTP MONITOR WELL CDIDZMW-1	FDEP	Monitor	6.625	1650	1700	Upper Floridan	2017
11035	25.9115556	80.1492222	-	Biscayne Landing IW-1	FGS	Class I	-	3200		Boulder Zone	1/1/1970
11036	25.7563889	80.2080556	-	Syrian-Lebanon American Club - 3rd Ave	FGS	Commercial	-	38	-	Biscayne	10/24/1960
11037	25.8744444	80.1919444	-	Barry College - Well # 1	FGS	Commercial	-	64	-	Biscayne	4/26/1967
11038	25.8744444	80.1919444	-	Barry College - Well # 2	FGS	Commercial	-	65	-	Biscayne	4/28/1967

Exhibit A.1
Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
11039	25.8011111	-80.2611111	-	Pearce-Simpson - 28th st.	FGS	Commercial	-	82	-	Biscayne	7/12/1960
11040	25.8372222	-80.295	-	J.G. Lux - Hialeah	FGS	Commercial	-	88	-	Biscayne	3/24/1964
11041	25.8619444	-80.2608333	-	Security Plastics, Inc. - Hialeah	FGS	Commercial	-	94	-	Biscayne	12/14/1962
11042	25.7342667	-80.2622834	-	D. R. Snyder - Coral Gables High School	FGS	Commercial	-	110	-	Biscayne	2/24/1967
11043	25.6719444	-80.2794444	-	L. Fogle Jr. - 53rd Ave	FGS	Drainage	-	28	-	Biscayne	9/7/1965
11044	25.6858333	-80.1655556	-	Desser & Garfield - Key Biscayne	FGS	Drainage	-	49.6	-	Biscayne	1/29/1960
11045	25.7249275	-80.2628933	-	Miller & Solomon, Inc. - Coral Gables	FGS	Drainage	-	51.05	-	Biscayne	6/11/1962
11046	25.7711111	-80.28	-	E. Green - Flagler Gradens	FGS	Drainage	-	62	-	Biscayne	2/15/1963
11047	25.77805	-80.1831222	-	Miami - South Well	FGS	Drainage	-	70	-	Biscayne	8/2/1961
11048	25.7580556	-80.2305556	-	Whitener Photo Laboratory - Pleasant Grove	FGS	Drainage	-	70	-	Biscayne	8/20/1963
11049	25.6897221	-80.16	-	Food Fair Stores - Well #2	FGS	Drainage	-	76	-	Biscayne	12/30/1965
11050	25.7583333	-80.2169444	-	Hill York Corp.	FGS	Drainage	-	80	-	Biscayne	4/18/1958
11051	25.733425	-80.2347139	-	Tonys Seabreeze Towers - Coconut Grove	FGS	Drainage	-	80	-	Biscayne	5/21/1969
11052	25.6897221	-80.16	-	Food Fair Stores - Well #3	FGS	Drainage	-	83	-	Biscayne	1/4/1966
11053	25.77805	-80.1831222	-	Miami - North Well	FGS	Drainage	-	90	-	Biscayne	8/24/1961
11054	25.8169444	-80.2375	-	Swimming Pool - Dade County	FGS	Drainage	-	92	-	Biscayne	6/4/1969
11055	25.7497222	-80.2577778	-	Embry-Riddle. - Coral Gables	FGS	Drainage	-	93.5	-	Biscayne	10/23/1942
11056	25.8513889	-80.2238889	-	Swimming Pool - Dade County	FGS	Drainage	-	96	-	Biscayne	6/20/1969
11057	25.7819444	-80.2088889	-	Canada Dry Bottling Co.	FGS	Drainage	-	97	-	Biscayne	4/25/1958
11058	25.8555556	-80.2236111	-	Swimming Pool - Dade County	FGS	Drainage	-	100	-	Biscayne	6/18/1969
11059	25.8069444	-80.19	-	Frolics Motel - Biscayne	FGS	Drainage	-	106	-	Biscayne	9/9/1957
11060	25.7363889	-80.2522222	-	Culligan Water Conditioning - Dixie Highway	FGS	Drainage	-	106	-	Biscayne	1/26/1960
11061	25.8011111	-80.1958333	-	FL Dairy Co.	FGS	Drainage	-	108.5	-	Biscayne	7/1/1942
11062	25.8338889	-80.2205556	-	Miami Fed Housing Proj - Drainage	FGS	Drainage	-	110	-	Biscayne	1/1/1970
11063	25.728611	-80.26	-	Miami Coca-Cola Bottling Co.	FGS	Drainage	-	113.5	-	Biscayne	5/13/1957
11064	25.728611	-80.26	-	Miami Coca-Cola Bottling Co - Well #2	FGS	Drainage	-	119	-	Biscayne	5/29/1957
11065	25.8044444	-80.2013889	-	Coca-Cola Bottling Co. - well #2	FGS	Drainage	-	123	-	Biscayne	7/17/1957
11066	25.8044444	-80.2013889	-	Coca-Cola Bottling Co. - Well #1	FGS	Drainage	-	126	-	Biscayne	7/5/1957
11067	25.8330556	-80.2208333	-	Miami Fed Housing Proj - Drainage	FGS	Drainage	-	133	-	Biscayne	1/1/1970
11068	25.8261111	-80.1866667	-	Orange State Oil Co. - Biscayne	FGS	Drainage	-	137	-	Biscayne	2/9/1960
11069	25.8708333	-80.1747222	-	K-Mart (#4295) - Biscayne	FGS	Drainage	-	137	-	Biscayne	8/8/1969
11070	25.8399493	-80.1917564	-	Borden Dairy Co. - Miami	FGS	Drainage	-	139	-	Biscayne	1/30/1961
11071	25.8044444	-80.2013889	-	Miami Coca-Cola Bottling Co. - East Well	FGS	Drainage	-	143	-	Biscayne	10/22/1959
11072	25.8044444	-80.2013889	-	Coca-Cola Bottling Co. - West Well	FGS	Drainage	-	149.69	-	Biscayne	11/12/1959
11073	25.8322222	-80.2216667	-	Miami Fed Housing Proj - Drainage	FGS	Drainage	-	150.5	-	Biscayne	1/1/1970
11074	25.9088889	-80.1591667	-	Panelfab Products, Inc.	FGS	Drainage	-	161	-	Biscayne	7/18/1957
11075	25.8827778	-80.1325	-	H. Forman - Well #1	FGS	Drainage	-	177	-	Biscayne	11/14/1978
11076	25.8827778	-80.1325	-	H. Forman - Well #2	FGS	Drainage	-	177	-	Biscayne	11/14/1978
11077	25.8827778	-80.1325	-	H. Forman- Well #3	FGS	Drainage	-	180	-	Biscayne	11/14/1978
11078	25.7972222	-80.2797222	-	US Engineer Office - Well #10A	FGS	Fire Protection	-	61	-	Biscayne	4/30/1943
11079	25.8327778	-80.2183333	-	Miami Fed Housing Proj - Fire Protection	FGS	Fire Protection	-	62	-	Biscayne	1/1/1970
11080	25.7941667	-80.2802778	-	US Engineer Office - Well #24	FGS	Fire Protection	-	69	-	Biscayne	5/24/1943
11081	25.8338889	-80.2191667	-	Miami Fed Housing Proj - Fire Protection	FGS	Fire Protection	-	70	-	Biscayne	1/1/1970
11082	25.7961111	-80.2794444	-	US Engineer Office - Well #23	FGS	Fire Protection	-	77	-	Biscayne	5/11/1943
11083	25.8823167	-80.1394883	-	Indian Creek Country Club	FGS	Golf	-	940	-	Upper Floridan	1/1/1970
11084	25.8299999	-80.1269444	-	La Gorce Golf Course	FGS	Golf	-	950	-	Upper Floridan	8/1/1939
11085	25.8377778	-80.2958333	-	Watsco, Inc. - Hialeah	FGS	Industrial	-	70	-	Biscayne	6/2/1967
11086	25.8041667	-80.265	-	USGS G-196	FGS	Monitor	-	90.9	-	Biscayne	3/5/1941
11087	25.7238889	-80.2480556	-	St. Hughes School Continuous Core	FGS	Monitor	-	101	-	Biscayne	1/1/1970
11088	25.7238889	-80.2405556	-	Peacock Park	FGS	Monitor	-	101	-	Biscayne	1/1/1970
11089	25.8191667	-80.2858333	-	USGS G-182	FGS	Monitor	-	300	-	Biscayne	9/9/1940
11090	25.7602778	-80.3016667	-	USGS G-183	FGS	Monitor	-	350.4	-	Biscayne	9/20/1940
11091	25.7683332	-80.3333334	-	USGS G-101	FGS	Monitor	-	812	-	Upper Floridan	7/8/1940
11092	25.8292639	-80.2881083	-	Hialeah Monitor #G-3062	FGS	Monitor	-	1064	-	Upper Floridan	3/11/1976
11093	25.8284306	-80.2878278	-	Hialeah Injection Well (G-3061)	FGS	Monitor	-	1105	-	Upper Floridan	12/9/1974
11094	25.9112181	-80.1492231	-	Biscayne Landing DZMW - 1	FGS	Monitor	-	1450	-	Upper Floridan	1/1/1970
11095	25.6672222	-80.3019444	-	East Coast Oil & Gas - Warwick #1	FGS	Oil/Gas	-	5535	-		4/14/1933
11096	25.7972222	-80.2133333	-	Sallie Mae, Vivan & H. O. Shaw - 12th Ave	FGS	Other	-	24	-	Biscayne	6/28/1965
11097	25.8727778	-80.1297222	-	D. R. Koren - Bobs Construction Co.	FGS	Other	-	26.5	-	Biscayne	10/18/1961
11098	25.7419444	-80.3380556	-	Christopher Columbus High	FGS	Other	-	36	-	Biscayne	2/3/1965
11099	25.7058332	-80.2916667	-	South Miami Library - Sunset Drive	FGS	Other	-	37	-	Biscayne	5/2/1960
11100	25.7008333	-80.2844444	-	Shore Properties, Inc. - Red Road	FGS	Other	-	46	-	Biscayne	4/4/1962
11101	25.7311111	-80.2811111	-	Cecil Criss - Coral Gables	FGS	Other	-	50	-	Biscayne	9/1/1966
11102	25.8008333	-80.2644444	-	State Road Dept - Well #10	FGS	Other	-	51	-	Biscayne	8/1/1968
11103	25.8819443	-80.1997222	-	Jan's Construction Co. - Norwood	FGS	Other	-	54	-	Biscayne	10/9/1962
11104	25.7283333	-80.2805556	-	Sunset Theatre - Dixie Highway	FGS	Other	-	56	-	Biscayne	7/19/1960
11105	25.7830556	-80.2027779	-	State Road Dept. - Well #1	FGS	Other	-	57.7	-	Biscayne	6/1/1968
11106	25.7213889	-80.2644444	-	H. Berkowitz - Coral Gables	FGS	Other	-	58	-	Biscayne	12/16/1960
11107	25.8152778	-80.2811111	-	Miami Springs Villas - Miami Springs	FGS	Other	-	61	-	Biscayne	8/9/1960
11108	25.7712556	-80.2	-	State Road Dept. - Well #44	FGS	Other	-	63.5	-	Biscayne	6/1/1968
11109	25.8066667	-80.2263889	-	Allapattah Baptist Church - 33rd St.	FGS	Other	-	65	-	Biscayne	5/20/1960
11110	25.7730556	-80.2611111	-	G. L. Hager - Flagler	FGS	Other	-	66	-	Biscayne	5/25/1960
11111	25.7586111	-80.2605556	-	P. Klimetz - Coral Gables	FGS	Other	-	69	-	Biscayne	9/1/1966
11112	25.6897221	-80.16	-	Food Fair Stores - Well #1	FGS	Other	-	75	-	Biscayne	12/27/1965
11113	25.7777778	-80.2222222	-	Miami Shipbuilding Co.	FGS	Other	-	76	-	Biscayne	1/1/1970
11114	25.8175	-80.2544444	-	Jet Avion Corp. - Hialeah	FGS	Other	-	77	-	Biscayne	9/18/1969
11115	25.7666666	-80.2	-	Scottish Rite Temple - Third St.	FGS	Other	-	96	-	Biscayne	9/27/1961
11116	25.8027778	-80.2505556	-	Industrial Vinyls, Inc. - 30th St.	FGS	Other	-	102	-	Biscayne	10/21/1960
11117	25.7977778	-80.2105557	-	Embry-Riddle - Miami	FGS	Other	-	109	-	Biscayne	11/27/1942
11118	25.6855556	-80.175	-	R. H. Matheson - Hurricane Harbor	FGS	Other	-	977	-	Upper Floridan	1/1/1970
11119	25.7925	-80.1933334	-	Fl Power & Light - N Miami (USGS #S-916)	FGS	Other	-	1157	-	Upper Floridan	10/26/1948
11120	25.6375	-80.2925	-	FL Water & Utilities Co. - Well #2	FGS	Public Water Supply	-	40	-	Biscayne	5/21/1962
11121	25.9184075	-80.1469575	-	North Miami Beach - Well #10	FGS	Public Water Supply	-	46	-	Biscayne	7/13/1953
11122	25.8972222	-80.1844444	-	Town of N. Miami - Well # 1	FGS	Public Water Supply	-	53	-	Biscayne	11/1/1950
11123	25.8978731	-80.184494	-	North Miami Beach - Well #6	FGS	Public Water Supply	-	53	-	Biscayne	8/1/1953
11124	25.92	-80.1658333	-	N. Miami Beach Water Board	FGS	Public Water Supply	-	54	-	Biscayne	8/7/1958
11125	25.8972222	-80.1844444	-	Town of N. Miami - Well # 3	FGS	Public Water Supply	-	55	-	Biscayne	12/7/1950
11126	25.8125	-80.2880557	-	Miami - Well #4	FGS	Public Water Supply	-	59	-	Biscayne	1/1/1970
11127	25.8158333	-80.2930556	-	Miami - Well #5	FGS	Public Water Supply	-	60	-	Biscayne	1/1/1970

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Area of Review, Tabulation of Wells Found Within AOR of CDWWTP
Miami-Dade Water and Sewer Department Central District WWTP
Virginia Key, Miami, FL

Map ID	Latitude	Longitude	Site/Facility/Permit Number	Owner/Project Name	Agency Database	Well Type	Diameter (Inches)	Total Depth (Feet)	Casing Depth (Feet)	Aquifer	Year Drilled
11128	25.8102778	-80.3091667	-	City of Miami - 41st St	FGS	Public Water Supply	-	68	-	Biscayne	7/22/1959
11129	25.8144444	-80.2955556	-	Miami - Well #6	FGS	Public Water Supply	-	73	-	Biscayne	1/1/1970
11130	25.8097222	-80.2894444	-	Miami - Well #2	FGS	Public Water Supply	-	94	-	Biscayne	1/1/1970
11131	25.815	-80.2900001	-	Miami - Well #3	FGS	Public Water Supply	-	102	-	Biscayne	1/1/1970
11132	25.8295422	-80.2917175	-	Miami Water Dept. - Well #25	FGS	Public Water Supply	-	110	-	Biscayne	5/18/1954
11133	25.8105556	-80.2875	-	Miami - Well #1	FGS	Public Water Supply	-	277	-	Biscayne	1/1/1970
11134	25.7730556	-80.2172222	-	Homestead - 11th Ave.	FGS	Recreation	-	57	-	Biscayne	11/15/1962
11135	25.7961111	-80.1297222	-	Tyler Hotel - 21st St.	FGS	Recreation	-	79	-	Biscayne	7/5/1960
11136	25.7855556	-80.2091667	-	Sunnybrook - Spring Gardens	FGS	Recreation	-	82	-	Biscayne	3/22/1963
11137	25.8552778	-80.2675	-	Hialeah - 35th St.	FGS	Recreation	-	85	-	Biscayne	7/9/1960
11138	25.8480556	-80.1738889	-	Aida Motel - Biscayne	FGS	Recreation	-	93	-	Biscayne	9/13/1961
11139	25.8422221	-80.2955556	-	Hialeah - 7th Ct. and 23rd St.	FGS	Recreation	-	105	-	Biscayne	7/7/1960
11140	25.8761111	-80.1725	-	Benett & Guse - Biscayne Shores	FGS	Recreation	-	108	-	Biscayne	6/8/1960
11141	25.7952778	-80.28	-	US Engineer Office - Well #3B	FGS	Self-Supply	-	63	-	Biscayne	5/27/1943
11142	25.7952778	-80.2786112	-	US Engineer Office - Well #3A	FGS	Self-Supply	-	64	-	Biscayne	5/6/1943
11143	25.7944444	-80.2794444	-	US Engineer Office - Well #4B	FGS	Self-Supply	-	65	-	Biscayne	5/29/1943
11144	25.7605556	-80.3063889	-	F. McTiernan - Biltmore Gardens Trailer Park	FGS	Self-Supply	-	67	-	Biscayne	12/22/1955
11145	25.8452892	-80.2545189	-	Belle Haven Trailer Park - Miami	FGS	Self-Supply	-	106	-	Biscayne	1/1/1970
11146	25.8966667	-80.2441667	-	Exxon (Water Well)	FGS	Self-Supply	-	187	-	Biscayne	6/2/1976
11147	25.7700778	-80.2963667	-	USGS G-3306	FGS	Stratigraphic Test	-	230	-	Biscayne	1/1/1970
11148	25.7609333	-80.2331	-	USGS G-3307 DAT-16	FGS	Stratigraphic Test	-	245	-	Biscayne	1/1/1970
11149	25.825375	-80.2981056	-	USGS G-3234 DAT-1	FGS	Stratigraphic Test	-	260	-	Biscayne	1/1/1970

Appendix B. Geology and Hydrogeology

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Appendix B. Geology/ Hydrogeology/ Lithology

1.1 REGIONAL GEOLOGY AND HYDROGEOLOGY

The following regional hydrogeologic information provides a framework for understanding the local geologic and hydrologic conditions encountered at the CDWWTP. The State of Florida lies on the Florida platform on the southeastern edge of the North American continent. The platform extends 400 miles north to south and nearly 400 miles east to west, at its widest point. Over half of the platform is presently under water, leaving a narrower peninsula of land extending from mainland North America. The major subsurface structural element in the region is the South Florida Shelf (Applin and Applin, 1965). The shelf is described as a relatively flat area in the Comanche rocks of Cretaceous origin, which "trends S 45° E, extends nearly 200 miles across the peninsula from Charlotte County on the Gulf Coast to Monroe County, on the Atlantic coast."

The region's geologic and tectonic setting is the product of a complex history of continental collisions and rifting followed by deposition of sediments on the Florida platform. Basement rocks consist of Paleozoic and Mesozoic aged igneous, metamorphic, and sedimentary rocks. The overlying Mesozoic era carbonate and evaporite sedimentary rocks may be 15,000 feet thick (Miller, 1986). Overlying the Mesozoic era rocks is approximately 6,000 feet of Cenozoic era carbonate and siliciclastic sedimentary rocks (Applin and Applin, 1944; Arthur, J.D., 1988; Dallmeyer, R.D., 1989; Milton, C., 1972). A geologic structure map of Florida is presented in **Exhibit B-1**, showing the Tertiary and Quaternary period sediments of the Florida platform have been defined by numerous authors (Puri and Vernon, 1974; Miller, 1986; Scott, 1988; Scott, 1992). The majority of the structures recognized as influencing the deposition, erosion, and alteration of the Cenozoic era sediments in Florida do not appear to have had a significant effect on the surface expression of the lithostratigraphic units (Scott, 1988). A geologic map of the southern peninsula is presented in **Exhibit B-2** and **Exhibit B-3**, depicting the geologic units of Florida from land surface elevation to 3,200 feet bls, and the Holocene to Eocene epochs.

The hydrogeology of the Florida peninsula consists of the Sand and Gravel Aquifer, the Surficial Aquifer System, the Floridan Aquifer System (FAS) and the Biscayne Aquifer (BA). These aquifers outcrop in different regions of the peninsula; the Sand and Gravel Aquifer in the Northwest portion of the panhandle, the Surficial Aquifer System mainly in Central Florida and parts of South and North Florida, the FAS in the Central-Northwestern part of the peninsula, and the BA in Southeastern Florida.

The FAS terminology and a description of the hydrostratigraphy of the FAS is shown in **Exhibit B-4**, based on the hydrogeologic framework report *(Reese, R. S. and Richardson, E., 2007).* A potentiometric map of the Upper Floridan Aquifer (UFA) is shown in **Exhibit B-5**, and the thickness of the Upper Confining Unit overlying the FAS is shown in **Exhibit B-6.** The Florida Peninsula hydrogeologic cross-sections have also been included as **Exhibit B-7** and **Exhibit B-8**; showing the relative location of Central District Wastewater Treatment Plant (CDWWTP) *(Reese, R. S. and Richardson, E., 2007).* **Exhibit B-7** and **Exhibit B-8** depict Hydrogeologic information and gives a good understanding of Miami-Dade County confining layers and permeable zones.

1.1.1 Miami-Dade County Geology and Hydrology

Miami-Dade County, located in southeastern Florida, is composed mainly by the Everglades in the northwestern, western, and central parts of the County, while the Atlantic Coastal Ridge runs along

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the eastern shore from North Miami Beach in the north to Homestead in the south. Geologically, the Cenozoic era (Eocene, Oligocene, Miocene and Pleistocene epochs) carbonate sedimentary sequence found in southeastern Florida was deposited on a platform east of the South Florida Basin; a shallow, sloping depression with an axis oriented east-northeast. Eastern edges of the basin extend into Palm Beach, Broward, and Miami-Dade County.

In South Florida, the surficial aquifer system (SAS) is named the BA. This aquifer comprises several lithostratigraphic units, including from oldest to youngest, the Pliocene epoch Tamiami Formation, the Pleistocene epoch Fort Thompson, Anastasia, Key Largo Limestone and Miami Limestone, as well as undifferentiated Holocene epoch sediments. The distribution of these units is locally heterogeneous and they often interbed laterally. The units are composed of oolitic and coralline limestone interbedded with carbonate sandstone as well as unconsolidated quartz sand. Sand and sandstone units typically display measurable amounts of shells and shell fragments.

The BA is underlain by sediments of the Hawthorn Group. These units are composed of clay, siltstone, and silty limestone. These sediments exhibit no to low vertical permeability, thus, hydraulically, serving as a confining bed separating the BA from the underlying FAS.

The FAS contains several highly permeable zones interbedded with moderate to low confining units. The zones of highest permeability typically occur at or near unconformities and are usually oriented sub-parallel to bedding (Meyer, 1989). Hydrostratigraphic boundaries in Miami-Dade County are depicted in **Exhibit B-9.**

In Miami-Dade County, the UFA is identified in the Oligocene epoch Suwanee limestone, while the Avon Park Permeable Zone (APPZ) occurs in the Eocene epoch Avon Park Formation. The UFA typically displays a thickness of approximately 100 feet or more, while the APPZ displays a thickness of less than 50 feet, varying across the state. The APPZ may represent a single fracture separated by less permeable rocks ultimately pinching out approximately 20 miles south of the CDWWTP. The LFA Permeable Unit and the BZ are only found in the Eocene epoch Oldsmar Formation. The LFA Permeable Unit, displaying a thickness similar to the APPZ, and the BZ are both grouped into the LFA system as depicted in **Exhibit B-9**. Researchers (Miller, 1986; Reese, 1994; Reese, R. S. and Richardson, E., 2007) have described multiple discrete confining units separating the individual aquifers. For simplicity, in this request, only a single unit - the Middle Confining Unit (MCU) - separates the UFA and LFA systems. **Exhibit B-10, Exhibit B-11,** and **Exhibit B-12** present a location map and hydrogeologic cross sections of the subsurface within Miami-Dade and Broward counties. The cross-sections were developed based on data published by R.S. Reese and E. Richardson, 2007, for which the delineation of the hydrostratigraphic boundaries were established primarily from the interpretation of geophysical logs and lithologic data, and drilling data from MDWASD. **Exhibit B-9, Exhibit B-10,** and **Exhibit B-11** depict the thickness of the MCU in Miami-Dade County.

1.1.2 Central District Wastewater Treatment Plant, Virginia Key, Geology and Hydrogeology

The site specific hydrostratigraphy at the CDWWTP - located on Virginia Key, Miami - has been described in the Completion Report, completed in September, 2017, for the CDWWTP Industrial IWs, FDEP UIC Permit Nos. 0317749-003-UC/1X (well CDIIW-1) and 0317749-004-UC/1X (well CDIIW-2). The Completion Report's purpose was to summarize the information obtained during the construction and testing of Wells CDIIW-1, CDIIW-2, and CDIDZMW-1 at the CDWWTP. All hydrostratigraphic descriptions contained in this section can be found in the "CDWWTP Industrial Injection Wells Completion Report – Section 3 – Geology and Hydrogeology."

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Formations encountered during the construction of the Industrial IWs range in age from Holocene (youngest) to Early Eocene (oldest). A hydrostratigraphic column, showing the general vertical extent of the lithostratigraphic and hydrostratigraphic units - as well as a log derived Total Dissolved Solids (TDS) plot of the Industrial IWs with depth - is shown in **Exhibit B-13.** A general description of the lithostratigraphy and the hydrostratigraphy of the site is provided below. On March 18th, 2020, construction of the Municipal IWs and MWs at CDWWTP under Permit No. 0317749-006-012-UC/1M commenced. Data and information obtained during drilling of these wells, provided to the Department through Weekly Summary Reports, is currently being used to confirm the interpretations provided in the Industrial IW Completion Report.

1.1.3 Lithostratigraphy

1.1.3.1 Pliocene and Pleistocene Series – Undifferentiated Deposits/Tamiami Formation.

The Tamiami Formation unconformably underlies the undifferentiated deposits of the Pliocene-Pleistocene epochs in Miami-Dade County and is lithostratigraphically poorly defined, containing a mixture of carbonate-siliciclastic (Mansfield, 1939) lithology consisting of interfingering Pamlico Sand of the Pleistocene epoch, Miami Oolite, Anastasia Formation, Key Largo Limestone, and Fort Thompson Formation (Fish, 1991). The undifferentiated deposits of Pliocene and Pleistocene age are present from land surface to approximately 243 feet bls at CDWWTP. The Tamiami formation is present from approximately 243 feet to 320 feet bls, identified by a slight change in lithology from soft, yellowish gray limestone grainstones to moderately hard, light olive gray limestone wackestones and the absence of bivalve and gastropod shells.

1.1.3.2 Stock Island Formation

The Stock Island formation is present at the CDWWTP from approximately 320 feet to 930 feet bls. It is comprised of pale olive silty carbonate sand to an approximate depth of 620 feet bls, where it transitions into a thin interval of poorly indurated limestone with calcium carbonate mud between 620 feet and 690 feet bls. Sandy clays are encountered from 690 feet to approximately 930 feet bls.

1.1.3.3 Hawthorn Group

The Hawthorn Group at the site is comprised of the Arcadia Formation, with an approximate thickness of 102 feet, and consists of predominantly sandy phosphatic clay and silt grading to limestone and dolostone at its base. The Arcadia Formation was encountered from approximately 930 feet to 1,032 feet bls and it is characterized by a sharp increase in Natural Gamma Ray (GR) activity on the geophysical logs. The lithology from 930 feet to 980 feet bls consists of phosphatic clay. The lithology from 980 feet to 1,032 feet bls represents a transitional zone of phosphatic clay to yellowish gray micritic limestone.

1.1.3.4 Suwannee Limestone

The Suwannee Limestone underlies the Arcadia Formation from an approximate depth of 1,032 feet to 1,119 feet bls, with an approximate thickness of 87 feet, and consists of yellowish gray to pale yellowish-brown friable limestone and interbedded layers of clay. The formation consists of good to moderate porosity packstone with interbedded lower porosity wackestones. The geophysical characteristic in the Suwannee Limestone includes attenuated GR activity because of a reduced presence of phosphate. The contact between the Hawthorn group and the Oligocene epoch Suwannee Limestone may be an unconformity, but it is only marked by a gradational color change

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in lithology and absence of phosphate in the Suwannee. The contact is best seen by the abrupt increase in GR activity in the lower section of the phosphatic Hawthorn Group.

1.1.3.5 Avon Park Formation

The Avon Park Formation is present from approximately 1,119 feet to 2,625 feet bls, with a thickness of approximately 1,506 feet, and consists primarily of very pale orange to yellowish brown friable limestone and interbedded layers of dolomitic limestone. The top of the Avon Park Formation can be identified at approximately 1,119 feet bls by a transition into fossiliferous limestone, abundant Dictyoconus americanus, and the appearance of the index fossil Spirolina coryensis at approximately 1,140 feet bls. The fossil content slowly tapers with depth to approximately 1,660 feet bls with the bulk of this interval being comprised of limestone in varying stages of dolomitization interbedded with microcrystalline calcite. The fossil content increases again at approximately 2,380 feet to 2,625 feet bls. There are multiple lithology changes between 1,660 feet and 2,625 feet bls. Broadly characterized, the interval between 1,660 feet and 2,160 feet bls is comprised of alternating layers of wackestones, mudstone, and more competent grainstones. The lithology reflects progressively well indurated limestone, dolostone, and fragmented crystalline dolomite to 2,160 feet bls. The lithology substantially changes from the alternating beds of wackestones, mudstone, and more competent grainstones to microcrystalline and coarsely crystalline dolostones from 2,160 feet to approximately 2,380 feet bls. This is identified on the geophysical logs by an increased GR activity characteristic of hard crystalline dolomite and dolostone. Another considerable change in lithology occurs from 2,380 feet to 2,625 feet bls, where the formation consists of alternating fossiliferous layers of packstone, wackestones, and mudstone. The geophysical characteristic in this interval includes attenuated GR activity.

1.1.3.6 Oldsmar Formation

The Oldsmar Formation is present from approximately 2,625 feet to 3,525 feet bls, with a thickness of 900 feet, and consists primarily of very pale orange limestone and dolomitic limestone interbedded with brown to gray dolostone. The lithology reflects well indurated limestone, dolostone and fragmented crystalline dolomite. The top of the Oldsmar Formation can be hard to identify because of the lack of diagnostic microfossils. This formation was identified on geophysical logs by increased borehole diameters on the XY Caliper (XYC) log, due to a slight increase in permeability and a decrease in resistivity.

1.1.3.7 Cedar Keys Formation

The Cedar Keys Formation is a succession of gray to off-white, coarsely crystalline dolomite that is moderately porous in the upper portion, and the lower two-thirds consists of tan to gray, finely crystalline to microcrystalline dolomite interbedded with white to clear anhydrite (Miller, 1986). The thick anhydrite beds of the Cedar Keys Formation form the lower confining unit of the FAS, which exhibited low to very low permeability (Miller, 1986). The Cedar Keys Formation also commonly contains the guide fossil Borelis gunteri (Chen, 1965). At CDWWTP, the Paleocene epoch Cedar Keys Formation is mainly composed of microcrystalline dolomite with various beds of anhydrite in its middle portion, and its thickness is approximately 1,615 feet. The top of the formation is designated at 3,525 feet bls by a change in lithology. The base of the formation is placed at 5,140 feet bls by the change from the lowermost thick dolomite bed above to chalky limestone below. The Cedar Keys Formation is identified on geophysical logs by a slight increase in GR activity and a decrease in resistivity characteristic of hard crystalline dolomite and dolostone. The Cedar Keys Formation can be separated into three parts: the Upper, Middle, and the Lower

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zones (Miller, 1986). The Upper Cedar Keys Formation is present from 3,525 feet to 3,990 feet bls, and it consists of primarily moderately indurated pale yellowish brown to light olive gray dolostone with very thin layers of anhydrite. The top of the Cedar Keys Formation is marked by a distinct lithology of light olive gray dolostone, with traces of anhydrite and absence of fossils (Chen, 1965). This unit is identified on geophysical logs by increased GR activity characteristic of hard crystalline dolomite and dolostone. The Middle Cedar Keys Formation was present from 3,990 feet to 4,650 feet bls. In the geophysical logs, this middle unit of the Cedar Keys Formation is evident by a very sharp increase in resistivity. This sharp increase is due to various thick anhydrite beds, which are not apparent in a PE/Bulk Density log, but easily distinguishable in the lithology which changes from thick microcrystalline dolostone beds to thick bed of anhydrite interbedded with dolostone to dusky yellow to yellowish gray dolostone interbedded with thin anhydrite beds. The Lower Cedar Keys Formation was encountered from 4,650 feet to 5,140 feet bls. There is an apparent color change in the lithology at 4,650 feet bls from a pale yellowish brown to a very pale orange dolostone with an increase in anhydrite. On the DIL geophysical log there is a slight decrease in the overall resistivity attenuation at the base of the Cedar Keys Formation and adding to the evident change in lithology.

1.1.4 Hydrostratigraphy

1.1.4.1 Biscayne Aquifer (BA)

The BA is present from approximately 20 feet to 150 feet bls, approximately 130 feet in thickness. Since the aquifer is not capped by any formation, but rather ends at the top of the water table, this aquifer is classified as an unconfined aquifer. Due to the unconfined and coastal nature of this aquifer, it is highly susceptible to contamination by chemical run offs and saltwater intrusion due to groundwater over pumping (Fish, 1991). Considering this aquifer is the only source of drinking water to most of South Florida, important steps are taken to protect the water quality of this surficial aquifer.

The BA is characterized by highly permeable limestones found from 20 feet to 150 feet bls, capped by 20 feet of sands and clays on top, and low permeable limestone and silty sand at its base. The upper confining unit rests below the BA, preventing water upward migration from deeper, more saline aquifers.

1.1.4.2 Upper Confining Unit

The Upper Confining Unit at the CDWWTP is comprised of two formations: the Stock Island Formation and the Hawthorn Group's Arcadia Formation.

In 1998 Cunningham et. al. proposed a formation, the Stock Island Formation, of Miocene-to-Pliocene aged sediments composed of fine-grained limestones that are suprajacent to the Arcadia Formation (Cunningham et. al., 1998). The Stock Island Formation can be identified by moldic skeletal and planktonic foraminifer lime grainstone and well-washed packstone facies (Cunningham et. al., 1998).

The Stock Island Formation at CDWWTP consists of low permeability sediment and is present from approximately 320 feet bls to approximately 930 feet bls. The formation is 610 feet thick and it is comprised of pale olive silty sand to an approximate depth of 620 feet bls, where it transitions into a thin interval of poorly indurated limestone with calcium carbonate mud between 620 feet and 690 feet bls. Sandy clays are encountered from 690 feet to approximately 930 feet bls.

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Dall and Harris (1892) first used the term "Hawthorn beds" for phosphatic sediments being quarried for fertilizer near the town of Hawthorne in Alachua County, Florida. The unit has been extensively studied, mapped, and discussed by Florida geologists since the early 1900's because of its economic importance.

The Hawthorn Group at the site is comprised only of the Arcadia Formation, with a thickness of 102 feet, and consists of predominantly low vertical permeable phosphatic clay and silt grading to limestone and dolostone at its base. The Arcadia Formation was encountered from approximately 930 feet to 1,032 feet bls and it is characterized by a sharp increase in GR activity on the geophysical logs. The lithology from 930 feet to 980 feet bls consists of phosphatic clay. The lithology from 980 feet to 1,032 feet bls represents a transitional zone of phosphatic clay to yellowish gray micritic limestone.

1.1.4.3 Floridan Aquifer System (FAS)

The FAS was found from approximately 1,032 feet to 3,439 feet bls, and was separated into different permeable zones, described below. In between each of the permeable units consist of semi-confining to confining limestone and dolomite.

1.2 UPPER FLORIDAN AQUIFER (UFA)

The UFA is part of a confined aquifer that is present below the sandy clay of the ICU, encountered from 1,032 feet to 1,129 feet bls. This highly permeable unit is approximately 97 feet thick. The lithology is characterized by soft, highly permeable and porous limestone with abundant fossils. This interval is characterized by an increase in sonic porosity. The groundwater found in the UFA contains TDS concentration of around 400 mg/L.

1.3 AVON PARK PERMEABLE ZONE (APPZ)

The APPZ is identified from approximately 1,569 feet to 1,728 feet bls, approximately 159 feet thick, and located below the USDW. The lithology of this section is mainly very pale orange limestone and dolomitic limestone, with moderate porosity and permeability and abundant benthic foraminifera (principally Dictyoconus Sp), and few vugs and echinoid tests.

1.4 LOWER FLORIDAN AQUIFER (LFA)

The LFA is part of a confined aquifer and it is present from 2,155 feet to 5,140 feet bls, with a thickness of approximately 2,985 feet. The first permeable unit encountered is located from 2,200 feet to 2,300 feet bls, introduced in the previous sections as the LFA permeable unit, with a thickness of approximately 100 feet. Lithologically, this interval is characterized by light orange to gray and brown limestones and dolomitic limestones, with high to moderate porosity and permeability. In geophysical logs, this interval is characterized by a slight increase in borehole diameter and a sudden increase in resistivity, sonic porosity, and GR activity.

The second permeable unit identified at CDWWTP is the BZ which is characteristically composed of large caverns and washout zones. The BZ is a hydrogeologic unit characterized by light and dark yellowish brown, hard dolostones, and the abundance of zones with high transmissivity. Some sucrosic recrystallization and chicken wire structures are found in cuttings from this interval. The BZ was encountered from approximately 2,838 feet to 3,439 feet bls, with a thickness of 601 feet. In XYC geophysical logs, this interval is characterized by large increases in borehole diameter, as

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well as loss of circulation on the drill bit due to caving of the formation. The resistivity, sonic porosity and GR activity greatly increases as well, but the cavernous nature of this zone is best visible in Video Survey Logs.

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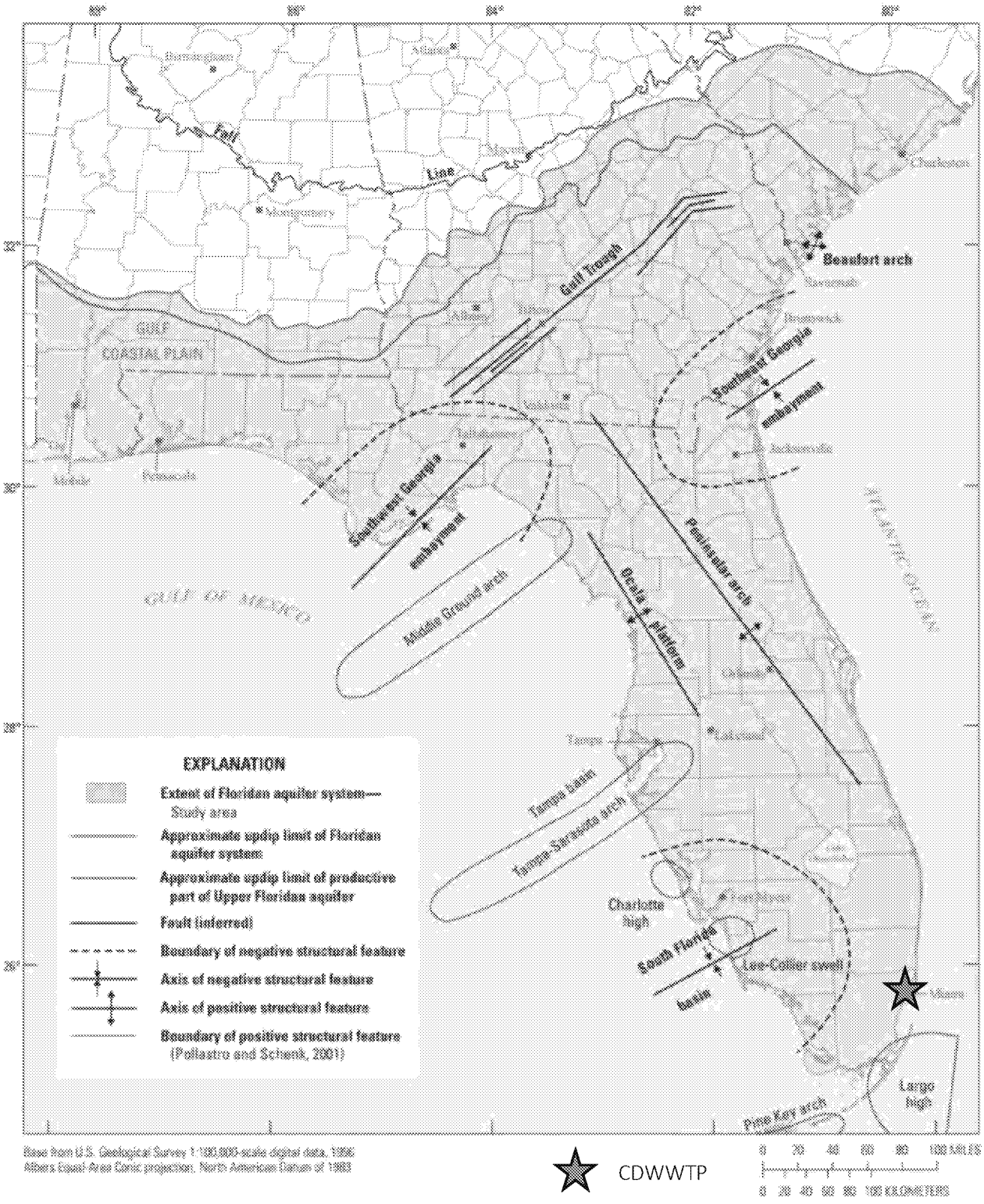


Exhibit B-1: Geologic Structure Map of Florida

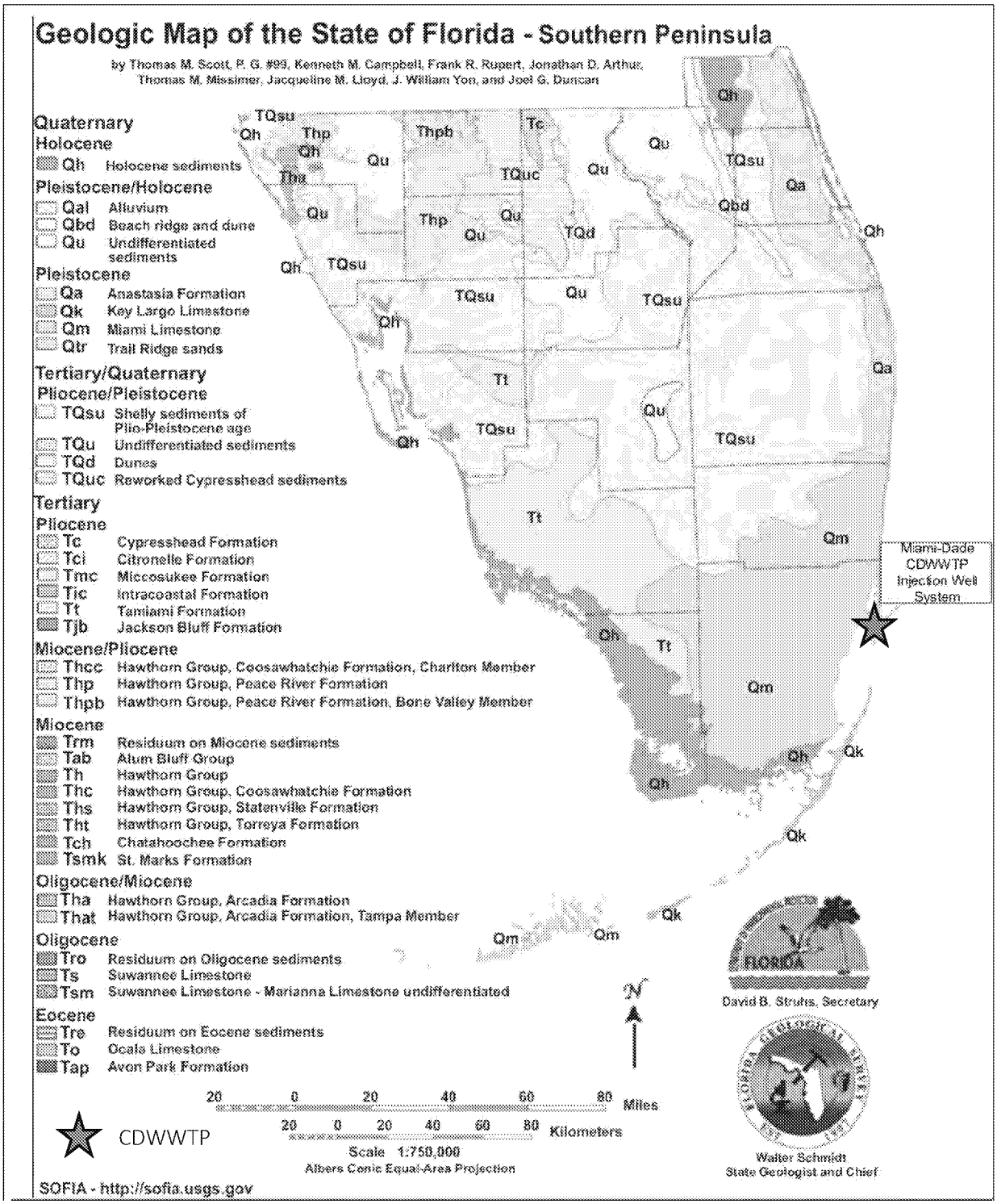


Exhibit B-2: Geologic Map of the Southern Peninsula

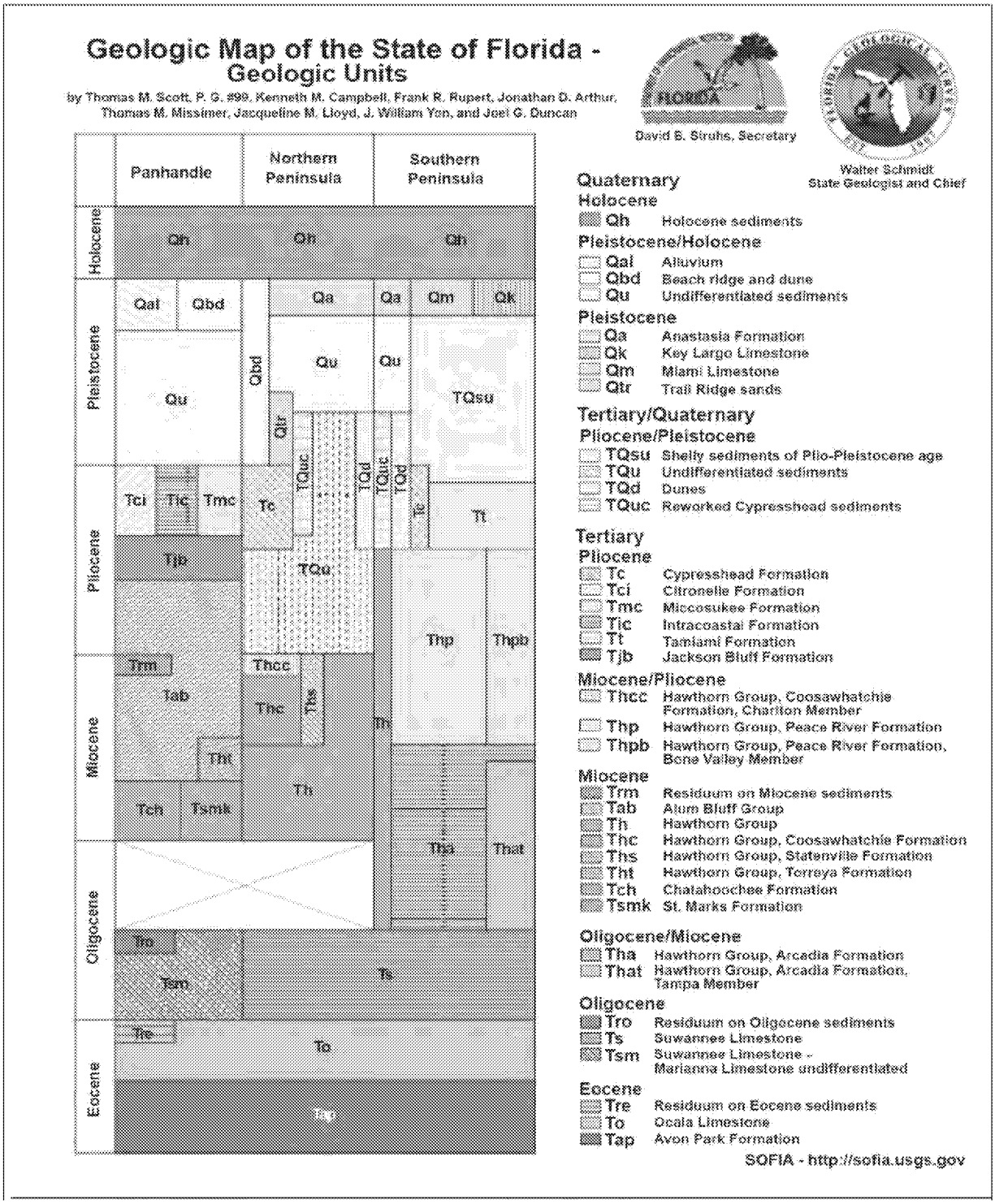
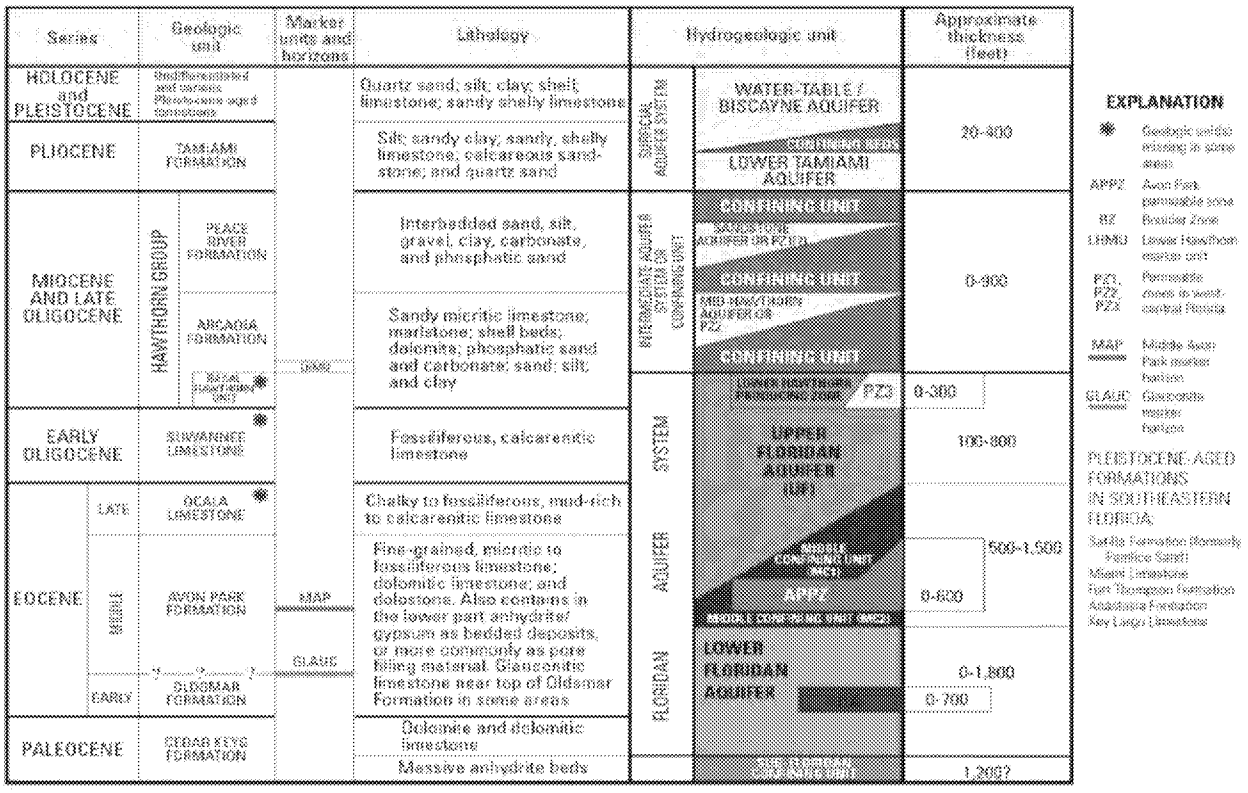


Exhibit B-3: Geologic Units of the Southern Peninsula



Modified from "Synthesis of the Hydrogeologic Framework of the Floridan Aquifer System and Delineation of a Major Avon Park Permeable Zone in Central and Southern Florida" ,Ronald S. Reese and Emily Richardson, USGS Scientific Investigations Report 2007-5207.

Exhibit B-4: Hydrostratigraphy of the Floridan Aquifer System

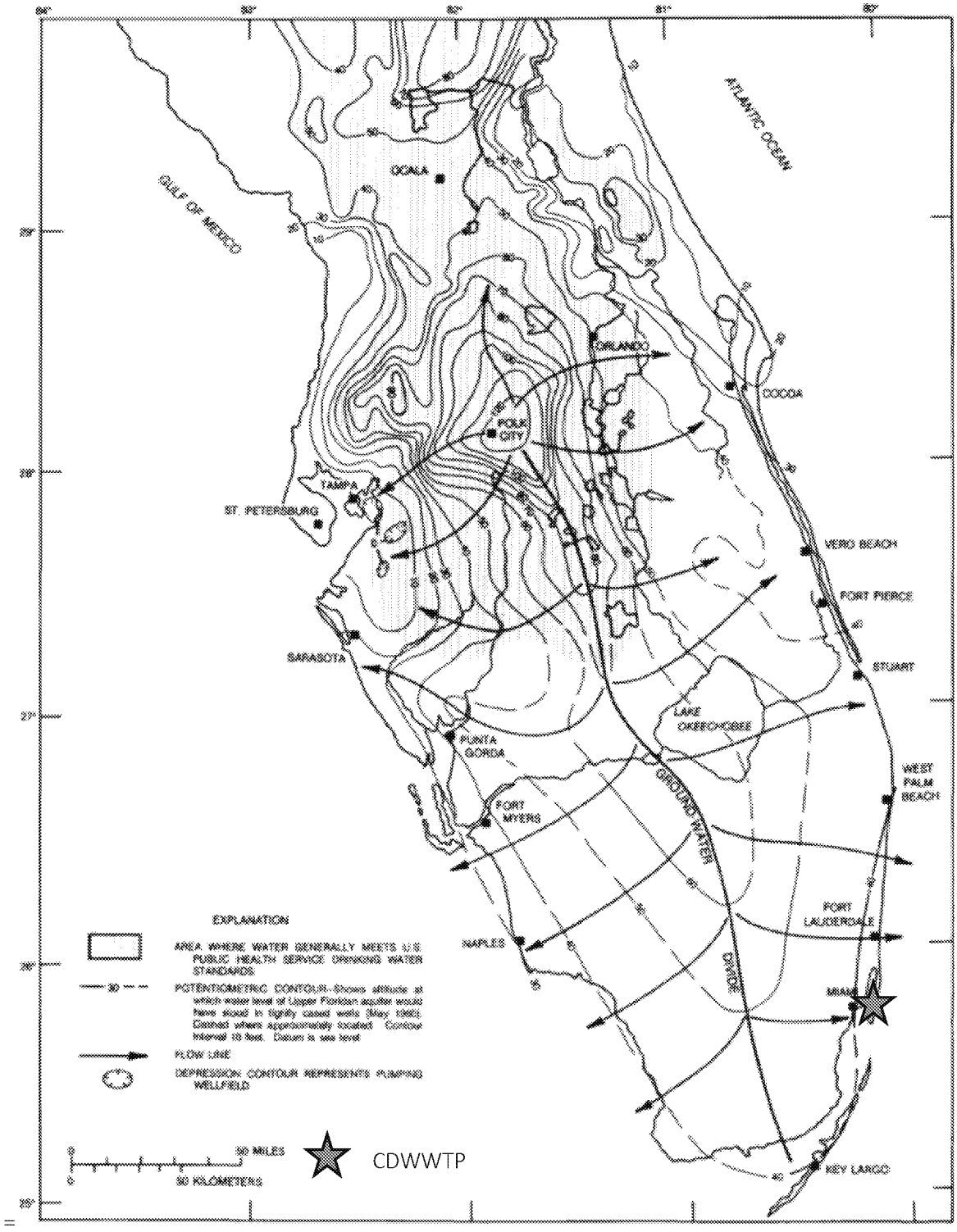


Exhibit B-5: Potentiometric Map of the Upper Floridan Aquifer

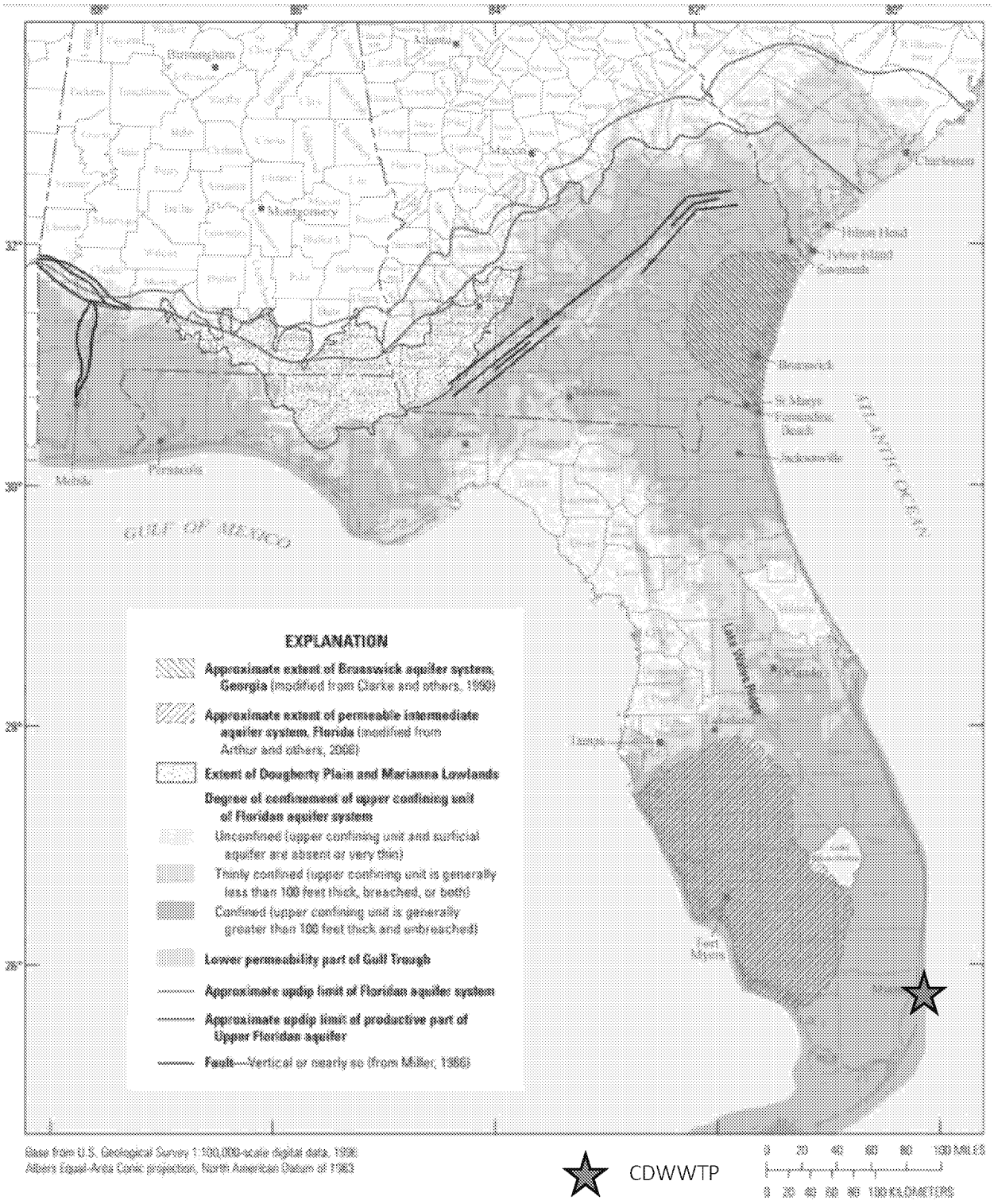


Exhibit B-6: Thickness of the Upper Confining Unit Overlying the FAS

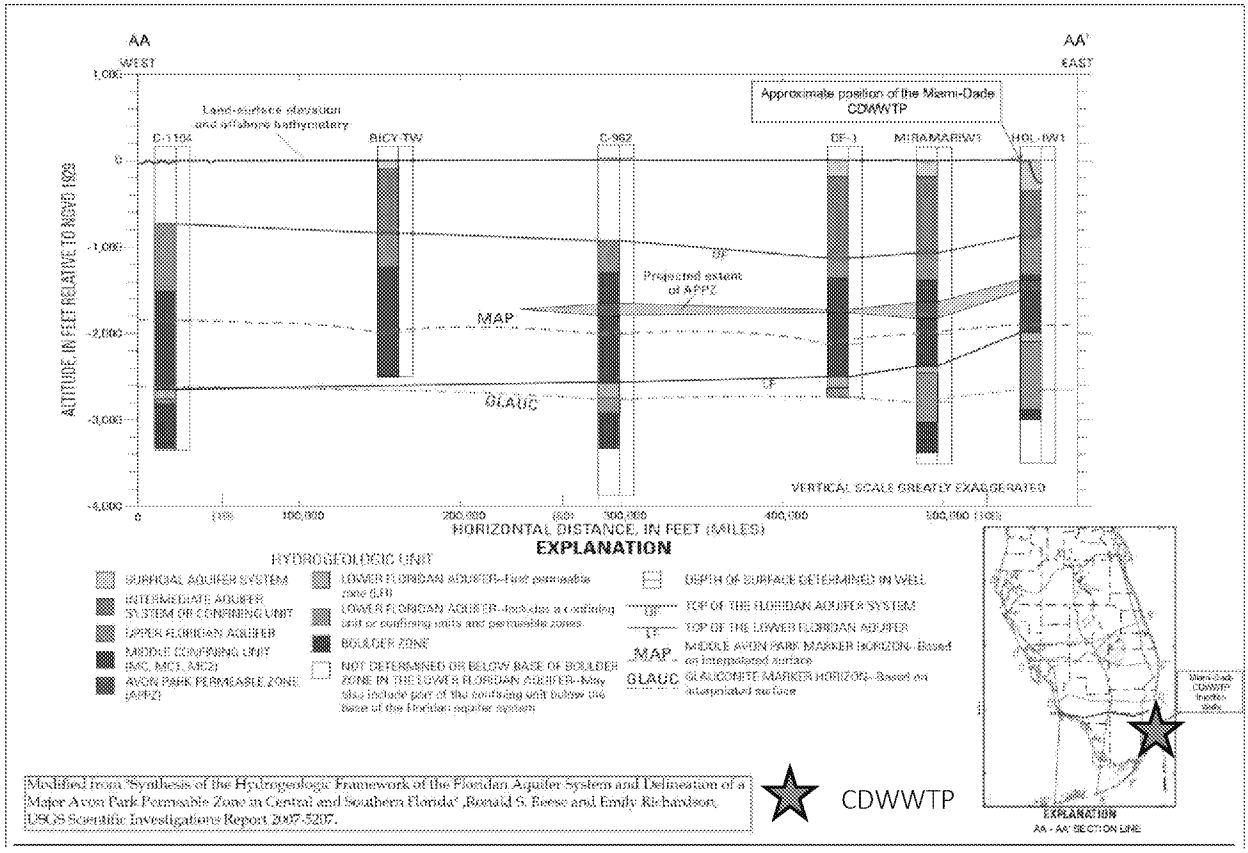


Exhibit B-7: Florida Peninsula Hydrogeologic Cross-Sections

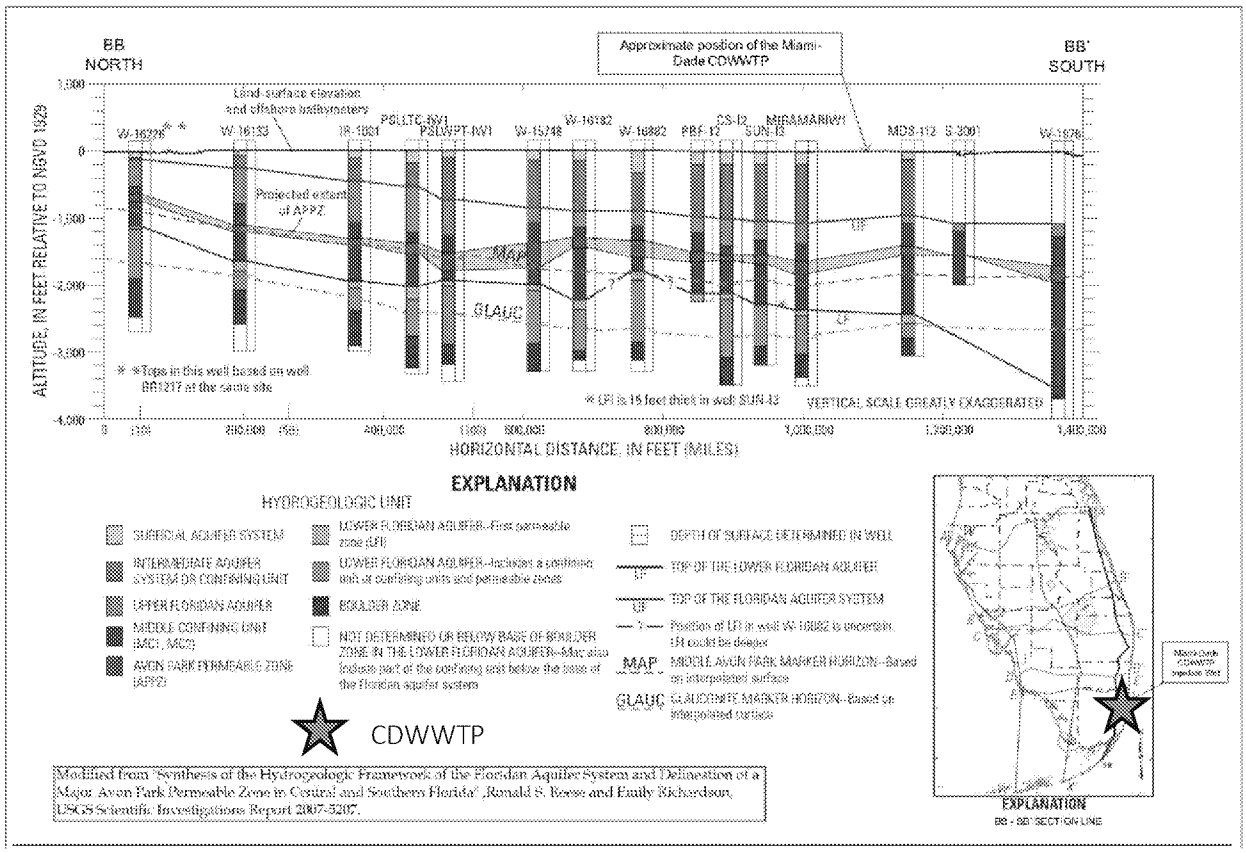


Exhibit B-8: Florida Peninsula Hydrogeologic Cross-Sections

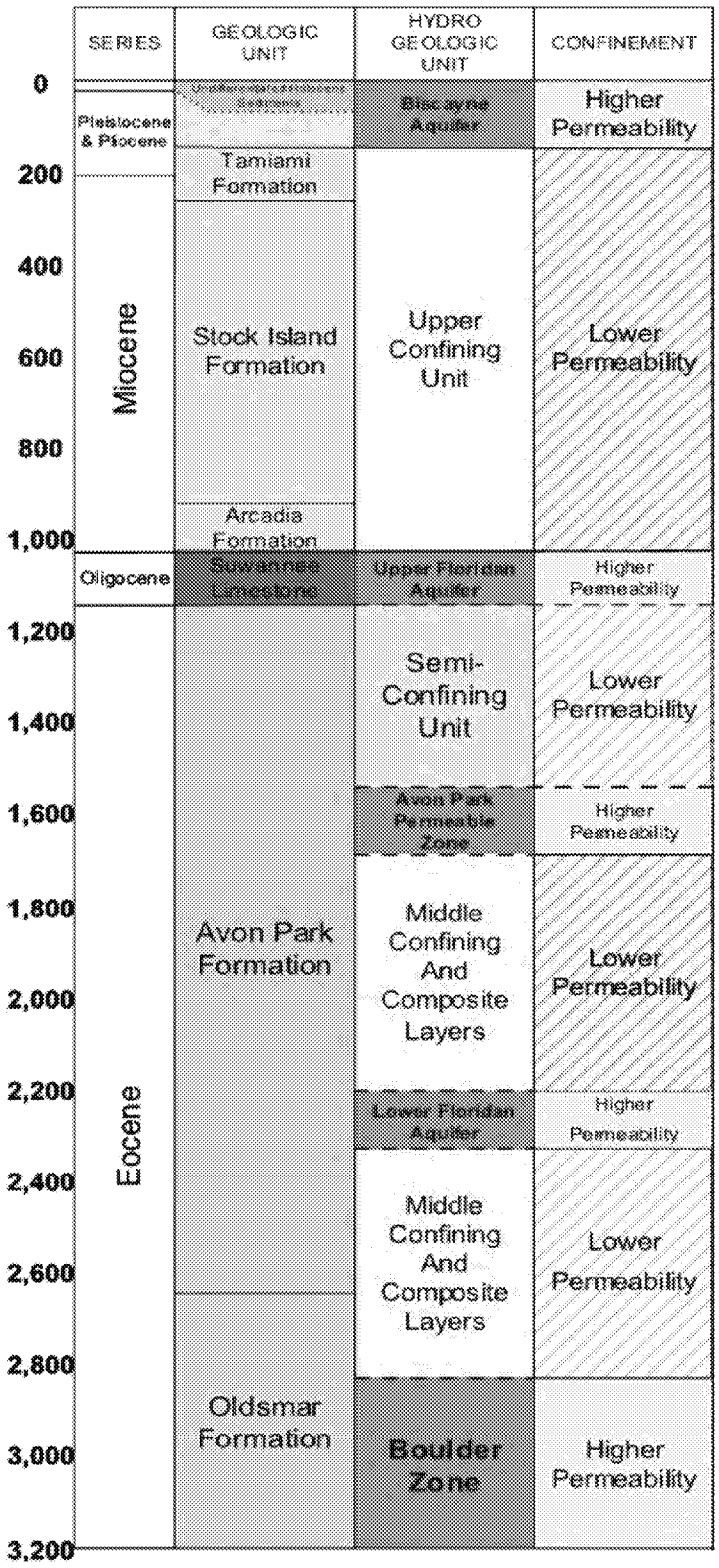


Exhibit B-9: Hydrostratigraphic Boundaries in Miami-Dade County

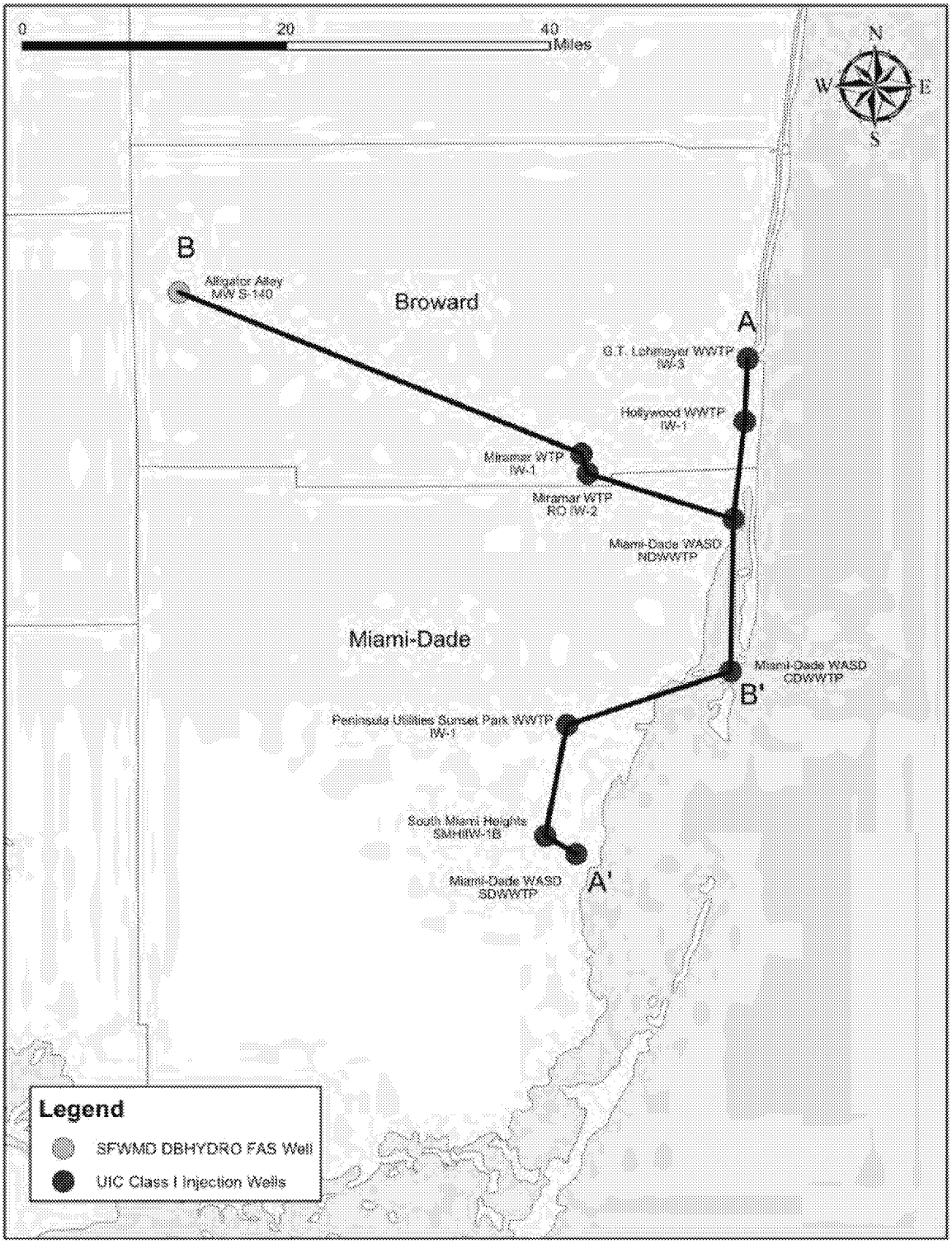


Exhibit B-10: Location Map of the Subsurface Within Miami-Dade and Broward Counties

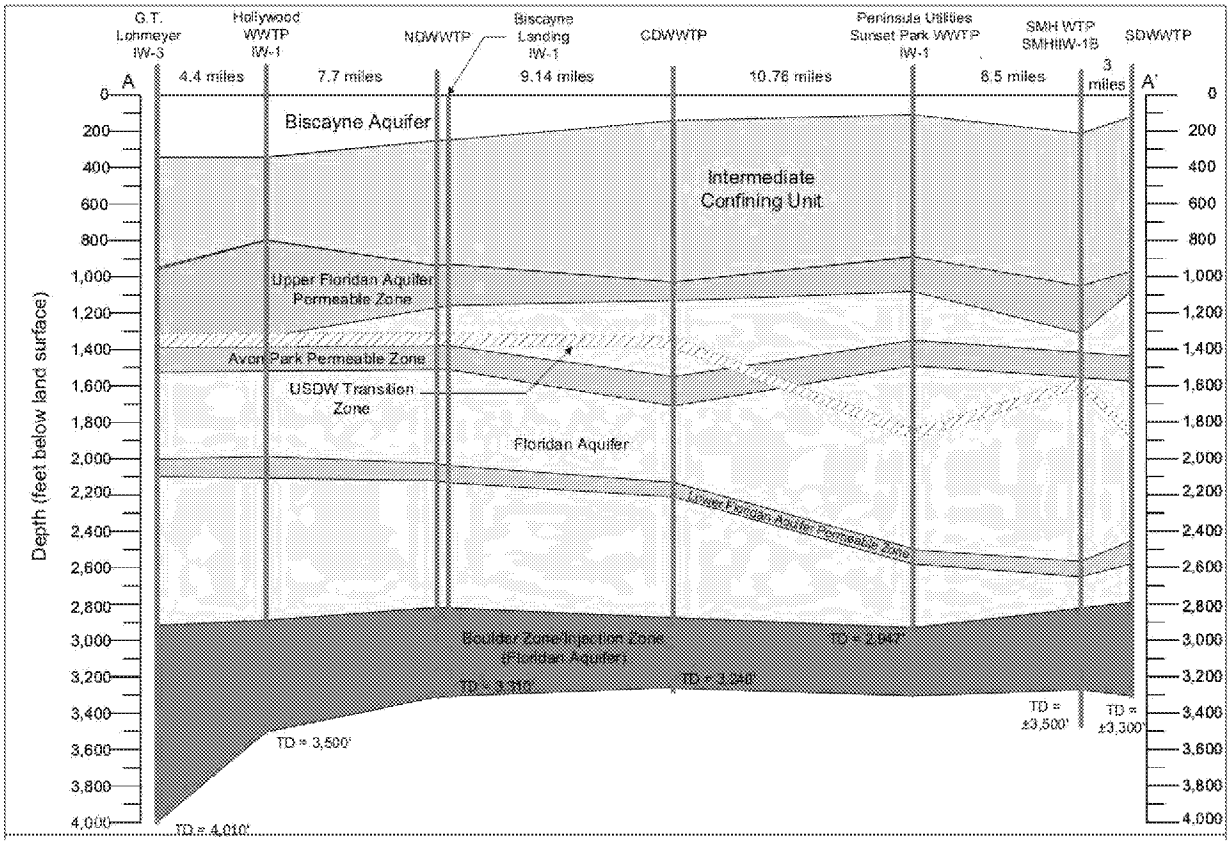


Exhibit B-11: Hydrogeologic Cross Section A-A' of the Subsurface Within Miami-Dade and Broward Counties

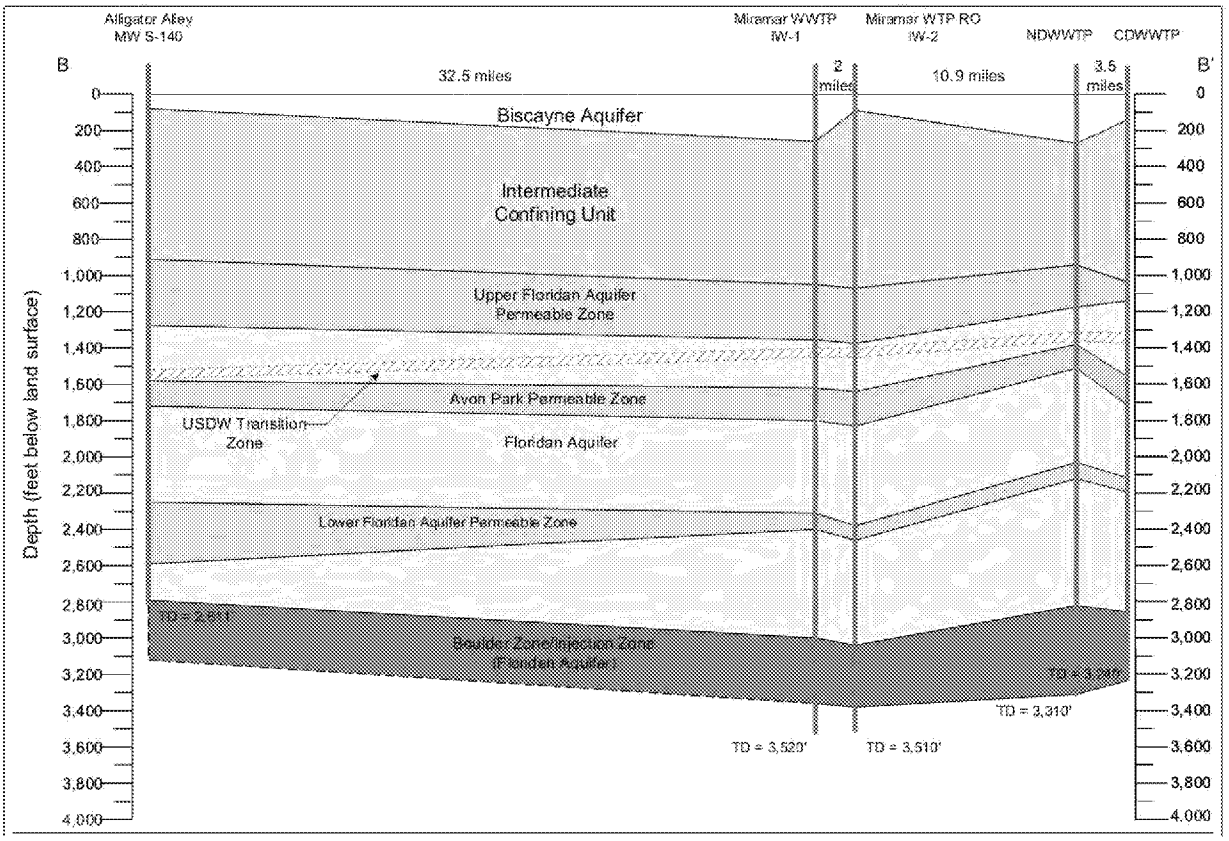


Exhibit B-12: Hydrogeologic Cross Section B-B' of the Subsurface Within Miami-Dade and Broward Counties

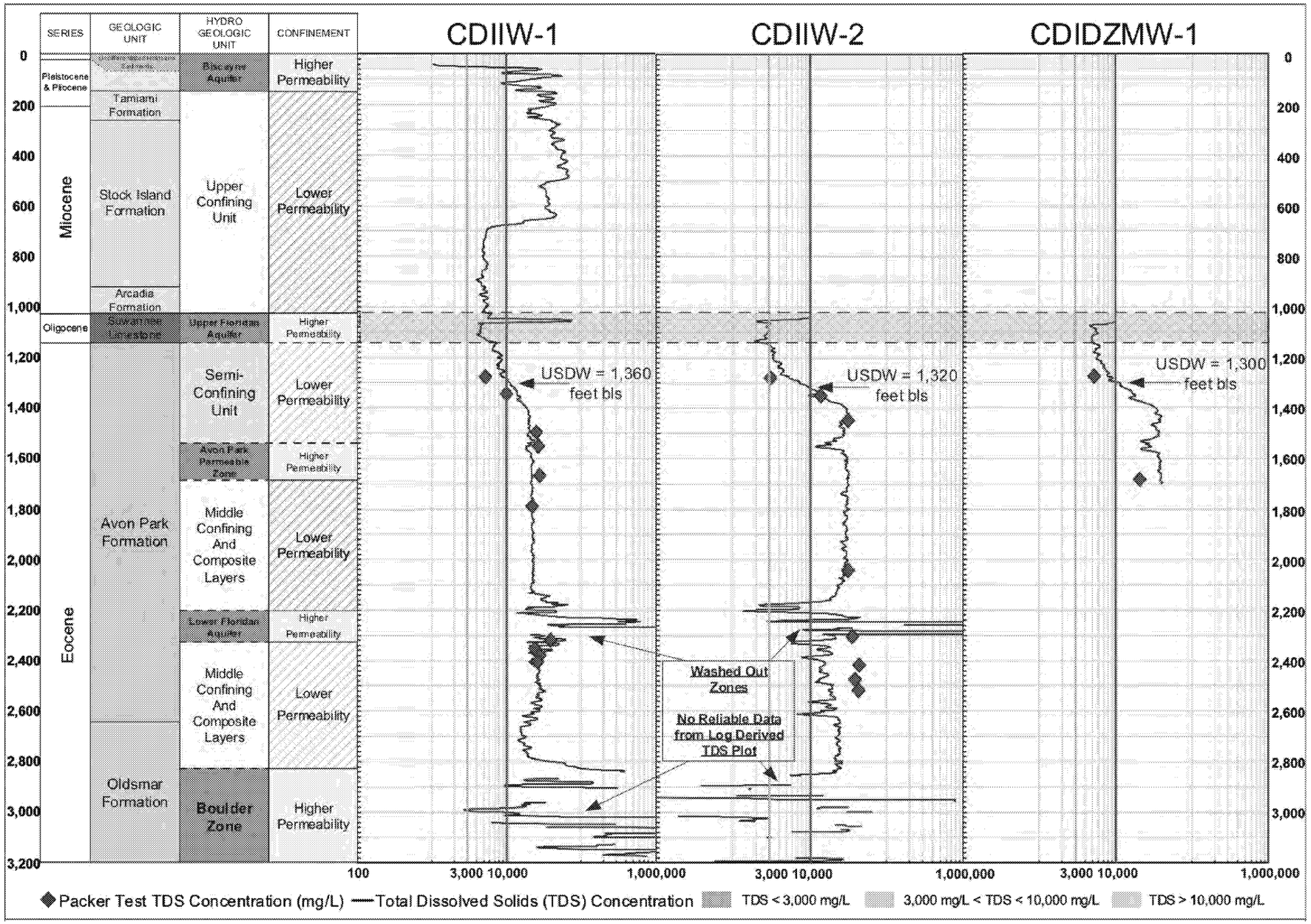


Exhibit B-13: Total Dissolved Solids Plot of the CDWWTP Industrial Injection Wells and Depth

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Appendix C. Confinement Analysis

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Appendix C. CDWWTP Geologic Physical Confinement

Information on the confining nature of the geologic formations present at the CDWWTP was evaluated before by MWH during the construction and testing of two (2) industrial wastewater deep IWs (CDIIW-1 & CDIIW-2) and one (1) dual-zone MW (CDIDZMW-1), constructed from 2015 to 2017. New data and information obtained during the ongoing construction of the Municipal IWs and MWs at CDWWTP under Permit No. 0317749-006-012-UC/1M, provided to the Department through Weekly Summary Reports, is currently being used to confirm the interpretations provided in the Industrial IW Completion Report.

During the drilling of these wells, various types of data were collected and analyzed to determine the confinement present above the injection zone. The information gathered was evaluated in detail in support of intermediate and final casing seat depth selections as well as to demonstrate confinement above the injection zone.

1.1 SUMMARY OF STRATIGRAPHY AND HYDROGEOLOGY

Lithologic information obtained from rock cuttings indicates that the Stock Island Formation is present from approximately 320 feet to 930 feet bls. The Hawthorn Group underlies the Stock Island Formation, and is comprised only of the Arcadia Formation, which was encountered from approximately 930 feet bls to 1,032 feet bls. Then, the Suwannee Limestone underlies the Arcadia Formation from a depth of approximately 1,032 feet to 1,119 feet bls.

Underlying the Suwannee Limestone, the Avon Park Formation and the Oldsmar Formation are found. These formations contribute to the confinement zone and therefore are briefly described below.

The Avon Park Formation is present from approximately 1,119 feet to 2,625 feet bls and consists primarily of friable limestone and interbedded layers of low permeable dolomitic limestone and dolostone at the base. There are multiple lithology changes within the Avon Park Formation. Broadly characterized, the interval between approximately 1,119 and 2,165 feet bls is comprised of alternating layers of grainstone and packstone, reflecting progressively well indurated limestone and dolomitic limestone to approximately 2,165 feet bls. The lithology substantially changes from the alternating beds of grainstone and packstone to microcrystalline and coarsely crystalline dolostones from approximately 2,165 feet to 2,365 feet bls. This is identified on the geophysical logs by an increase in GR activity characteristic of hard crystalline dolomite and dolostone. Another considerable change in lithology occurs and from approximately 2,365 feet to 2,625 feet bls: formation consists of alternating fossiliferous layers of packstone, grainstone, and mudstone. The geophysical characteristic in this interval includes attenuated GR activity.

The Oldsmar Formation is present from approximately 2,625 feet to 3,525 feet bls and consists primarily of very pale orange limestone and dolomitic limestone interbedded with brown to gray dolostone. The lithology reflects progressively more well indurated limestone, dolostone, and fragmented crystalline dolomite. The boulder zone was identified at approximately 2,854 feet to 3,439 feet bls with the occurrence of fractured dolostone.

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1.2 ROCK CORES COLLECTION AND ANALYSIS

A total of 20 rock cores were collected from the Avon Park Formation during pilot hole drilling operations on CDIIW-1 & CDIIW-2. All cores were representative of substantial confinement and a generalized description is provided in **Exhibit C-1** and **Exhibit C-2**. Locations of the core intervals superimposed over the borehole VDL log are presented on **Exhibit C-3** and **Exhibit C-4**.

1.3 GEOPHYSICAL LOGGING

The XYC completed at CDWWTP IWs indicated the pilot hole diameter slightly fluctuates throughout its length. The diameter of the pilot hole from approximately 2,075 feet to 2,240 feet bls shows thin wash out zones, increasing the pilot hole's diameter from gauge (12.25-inch) to a maximum of 19 inches in diameter. The pilot hole becomes relatively gauge from 2,240 feet to 2,290 feet bls indicating very hard, competent and confining rock (dolostone). From 2,290 feet to 2,870 feet bls, the XYC indicated that the pilot hole diameter increases with depth from a gauge borehole of about 12.5 inches in diameter to a large wash out zone at the end of the interval. This zone was found to have a maximum diameter of 20 inches at CDIIW-2 and a maximum diameter of 56 inches at CDIIW-1 comprised mostly of poorly indurated wackestone. XYC data then records variation in the borehole diameter from the 2,870 to 3,225 feet bls interval that has been associated with the boulder zone in the Oldsmar Formation with its characteristic fractured dolostone. The XYC log then indicated the pilot hole is relatively gauge from 3,225 feet bls to the total depth of 3,525 feet bls, representative of very hard competent rock (dolostone).

The GR signature shows an increase in American Petroleum Institute GR Units (GAPI) between 2,156 feet and 2,300 feet bls, which corresponds with the competent and confining microcrystalline and coarsely crystalline dolostones observed as part of the Avon Park Formation. The GR signature also showed a distinct increase at 2,850 for the transition to the Oldsmar Formation from the overlying Avon Park Formation.

The borehole compensated sonic (BHCS) porosity and dual induction logs indicate a moderately to well indurated lithology throughout the borehole as shown in **Table C-1**. Overall, these factors observed in the low DT intervals indicate that the formations through these intervals are mechanically competent and have characteristics which indicate a high potential for a good hydraulic and structural seal above the injection zone.

Table C-1: Borehole Compensated Sonic (BHCS) Average Transit Time

BOREHOLE INTERVAL (FEET BLS)	AVERAGE TRANSIT TIME (DT)	UNIT
2,075 - 2,162	110	(μsec/ft)
2,162 - 2,212	176	(μsec/ft)
2,212 - 2,318	78	(μsec/ft)
2,318 - 2,338	94	(μsec/ft)
2,338 - 2,846	187	(μsec/ft)

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The static and dynamic fluid conductivity log only depicts a slight increase in conductivity with depth. The static and dynamic temperature logs show a reverse thermal gradient (temperature decreases with depth) that begins at approximately 2,180 feet bls and ends at a depth of 3,290 feet bls where an increase in temperature is seen. There are two depths in the borehole where temperatures quickly decrease: approximately 2,180 feet and 2,295 feet bls. These decreases in the temperature data identify depths where the rock formation may also be producing water. The flow log closely correlates with these flow zones.

1.4 PACKER TESTING

Multiple straddle packer tests were conducted at the CDWWTP between 2,000 feet to 2,550 feet bls to calculate the hydraulic properties of the isolated horizons, confinement above the injection interval, and examine discrete interval water quality. Water quality samples were collected for laboratory and field analysis to confirm the formation water quality characteristics. The results of the laboratory water quality analyses and calculated transmissivity values are provided below in **Table C-2**.

Table C-1: Confinement Zone Testing Results

TESTED INTERVAL (FEET BLS)	SPECIFIC CONDUCTIVITY (µS/CM)	TOTAL DISSOLVED SOLIDS (MG/L)	SPECIFIC CAPACITY (GPM/FT)	TRANSMISSIVITY* (GPD/FT)
2,011 – 2,071 (Packer Test No. 4)	53,000[1]	32,000[1]	1.96	659
2,291 – 2,309 (Packer Test No. 5)	48,495[2]	31,524[2]	.0058	1.65
2,393 – 2,441 (Packer Test No. 6)	50,397[2]	32,759[2]	1.13	416
2,464 – 2,482 (Packer Test No. 8)	52,804[2]	34.330[2]	1.06	372
2,495 – 2,543 (Packer Test No. 7)	51,403[2]	33,414[2]	2.43	276

*Transmissivity calculated from residual drawdown data using Theis Recovery method
[1]Water quality values are laboratory analyzed.
[2]Water quality values were obtained on the field. Laboratory results are pending.

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The straddle packer test from 2,011 feet to 2,071 feet bls (Packer Test No. 4) was pumped at a flow rate of 8 gallons per minute (gpm). This zone shows little water production with approximately 44 feet of drawdown with a calculated specific capacity of 1.96 gallons per minute per foot (gpm/ft). The straddle packer test from 2,291 feet to 2,309 feet bls (Packer Test No. 5) was pumped at a flow rate of 0.9 gpm; this zone shows proved to be confining with approximately 155.47 feet of drawdown with a calculated low specific capacity of 0.0058 gpm/ft. The straddle packer test from 2,393 feet to 2,441 feet bls (Packer Test No. 6) was pumped at a flow rate of 48 gpm; this zone shows very little water production with approximately 42 feet of drawdown with a calculated low specific capacity of 1.13 gpm/ft. The straddle packer test from 2,464 feet to 2,482 feet bls (Packer Test No. 8) was pumped at a flow rate of 47 gpm; this zone shows very little water production with approximately 44 feet of drawdown with a calculated low specific capacity of 1.06 gpm/ft. The straddle packer test from 2,495 feet to 2,543 feet bls (Packer Test No. 7) was pumped at a flow rate of 49 gpm; this zone shows very little water production with approximately 20 feet of drawdown with a calculated low specific capacity of 2.43 gpm/ft. The results for the confinement packer tests can be found **Exhibit C-5** and **Exhibit C-6.** The VDL log signature within the packer intervals is similar to the VDL signature over the entire confining intervals identified from approximately 2,011 to 2,600 feet bls, providing evidence that the entire interval has similar confining hydraulic properties.

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EXHIBITS

Exhibit C-1: CDIIW-1 Rock Cores

CORE NO.	CORED INTERVAL (FEET BLS)	GENERALIZED GEOLOGIC DESCRIPTION	CORE RECOVERY (%)
1	1,410-1,421	Limestone (grainstone), very pale orange, moderately to well indurated, moderate permeability, fossiliferous (Dictyoconus sp.), high porosity with minor secondary porosity features (moldic porosity).	73
2	1,535-1,549	Dolomitic Limestone (grainstone), very pale orange, poorly indurated, low permeability, moderate porosity, dissolution and high secondary porosity features (interconnected vugs); chemically reworked interval present that is very well indurated, high permeability and porosity with solution channels.	51
3	1,802-1,812	Limestone (grainstone) with an interval of dolomitic limestone, pale yellowish brown, well indurated, moderate intergranular porosity and permeability.	57
4	1,950-1,961	Limestone (grainstone), very pale orange, moderately indurated, low to moderate permeability and moderate porosity.	43
5	1,970-1,990	Limestone (grainstone), yellowish gray, moderate to high permeability, moderately indurated, high intergranular and secondary porosity (moldic porosity), fossiliferous with imbedded casts and molds, rip-up clasts present.	94
6	2,060-2,080	Limestone (packstone, yellowish gray, poorly to moderately indurated, moderate intergranular porosity, low to moderate permeability; chemically reworked intervals display dissolution features, high secondary porosity and recrystallized calcite.	58
7	2,125-2,146	Limestone (mudstone to packstone), yellowish gray to pale yellowish orange, poorly to moderately indurated, moderate porosity with minor secondary porosity features (moldic porosity), low permeability.	69
8	2,182-2,196	Dolomitic Limestone (crystalline), dark yellowish brown interbedded with layers of macrocrystalline calcite and mudstone, well indurated, moderate porosity and secondary porosity features (moldic porosity), moderate to very low permeability.	56

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CORE NO.	CORED INTERVAL (FEET BLS)	GENERALIZED GEOLOGIC DESCRIPTION	CORE RECOVERY (%)
9	2,275-2,287	Crystalline Dolostone, moderate yellowish brown, very well indurated, conchoidal breaks and fractures, variable vuggy porosity, minor to large dissolution features, low permeability.	78
10a	2,390-2,404	Dolomitic Limestone (wackestone), very pale orange, fossiliferous (shell fragments, casts and molds), replacement dolomite, finely fractured, low permeability, low porosity.	11.4
10b	2,405-2,417	Dolomitic Limestone (packstone), very pale orange, moderately indurated, brittle, abundantly fossiliferous (Dictyoconus, gastropods and bivalves shells), moderate porosity, low permeability.	100

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Exhibit C-2: CDIIW-2 Rock Cores

CORE NO.	CORED INTERVAL (FEET BLS)	GENERALIZED GEOLOGIC DESCRIPTION	CORE RECOVERY (%)
3	2,135-2,160	Limestone (wackestone to packstone), yellowish grey, moderately soft, moderate to high permeability, intergranular to vuggy porosity, traces of foraminifera (Dictyoconus Americanus).	41
4	2,160-2,175	Dolostone (crystalline), medium grey to medium dark grey, hard, low intercrystalline to vuggy porosity with dissolution features, low permeability, traces of limestone	15
5	2,182-2,192	Dolostone (microcrystalline to crystalline), light olive grey to dark yellowish brown, hard, pinpoint vuggy porosity, low permeability.	22
6	2,205-2,220	Dolostone (microcrystalline), olive gray to moderate olive brown, hard, low porosity, low permeability, dissolution feature with high permeability and moderate porosity.	17
7	2,250-2,259	Dolostone (microcrystalline), medium dark gray to yellowish gray, hard, vuggy to low porosity, low permeability, dissolution holes present.	32
8	2,260-2,270	Dolostone (crystalline), moderate yellowish brown, hard, low to vuggy porosity, low permeability.	51
10	2,346-2,356	Dolostone (crystalline), moderate yellowish brown to dark yellowish brown, hard, low intercrystalline porosity, low permeability, traces of fossils, zones of dissolution where dolomitic recrystallization is taking place have high intercrystalline porosity and high permeability.	58
11	2,412-2,423	Limestone (packstone to grainstone), very pale orange to yellowish grey, moderately hard, moderate to high intergranular and vuggy porosity, moderate to high permeability, abundant foraminifera and shell fragments.	100
12	2,430-2,442	Limestone (wackestone to grainstone), very pale orange to yellowish grey, moderately hard, moderate to high intergranular and vuggy porosity, moderate to high	80

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CORE NO.	CORED INTERVAL (FEET BLS)	GENERALIZED GEOLOGIC DESCRIPTION	CORE RECOVERY (%)
		permeability, abundant foraminifera and shell fragments present.	
13	2,595-2,605	Limestone (grainstone to mudstone), interbedded with dolostone, very pale orange to yellowish gray, moderately hard, moderate to low porosity, moderate to low permeability, foraminifera present.	26
15	2,660-2,670	Limestone (grainstone), white, moderately hard, vuggy porosity, moderate to high permeability, abundant foraminifera and shell fragments, gastropods, and bivalves present	11

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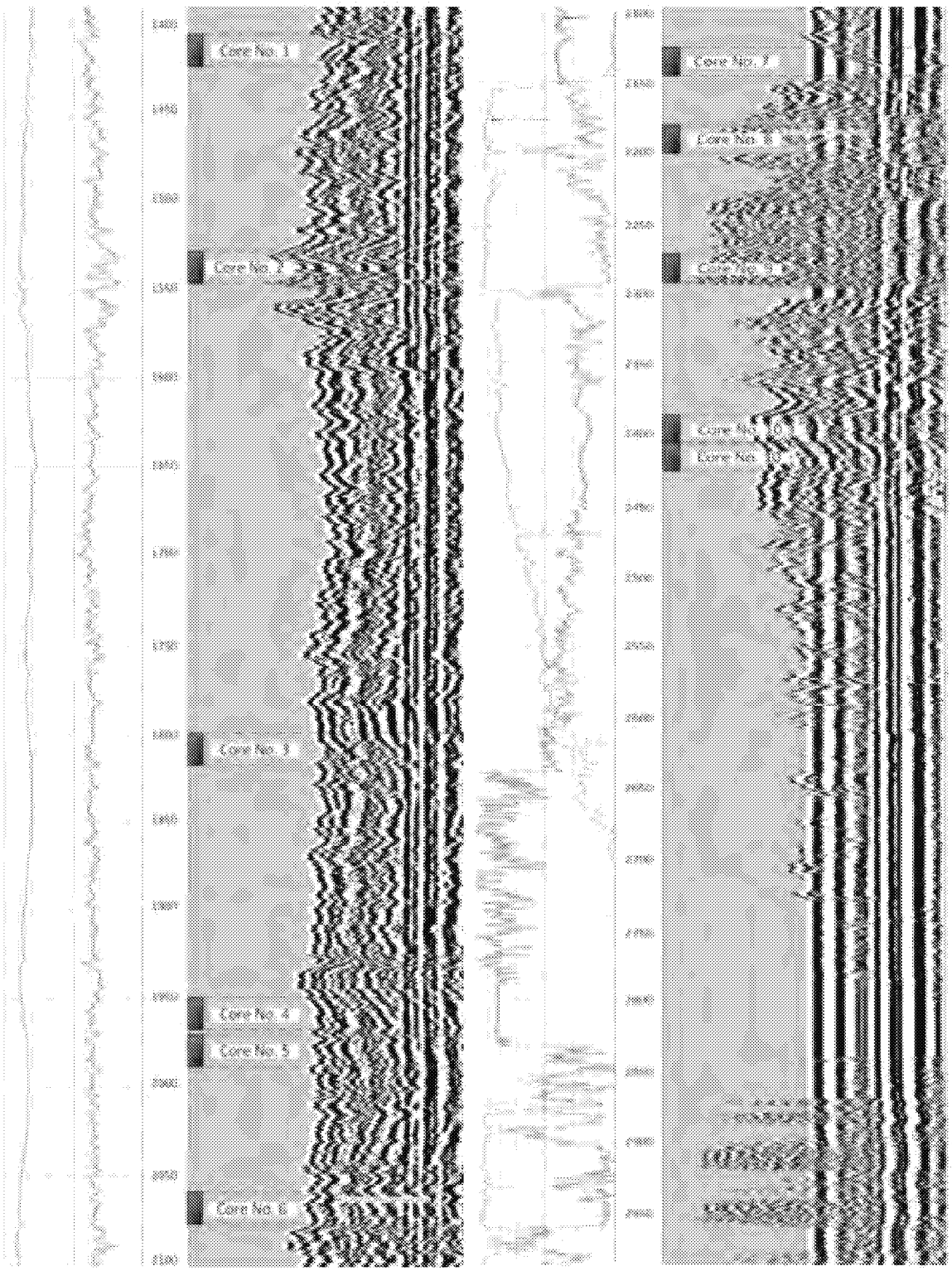

Exhibit C-3: Core Intervals on VDL Log - IW1

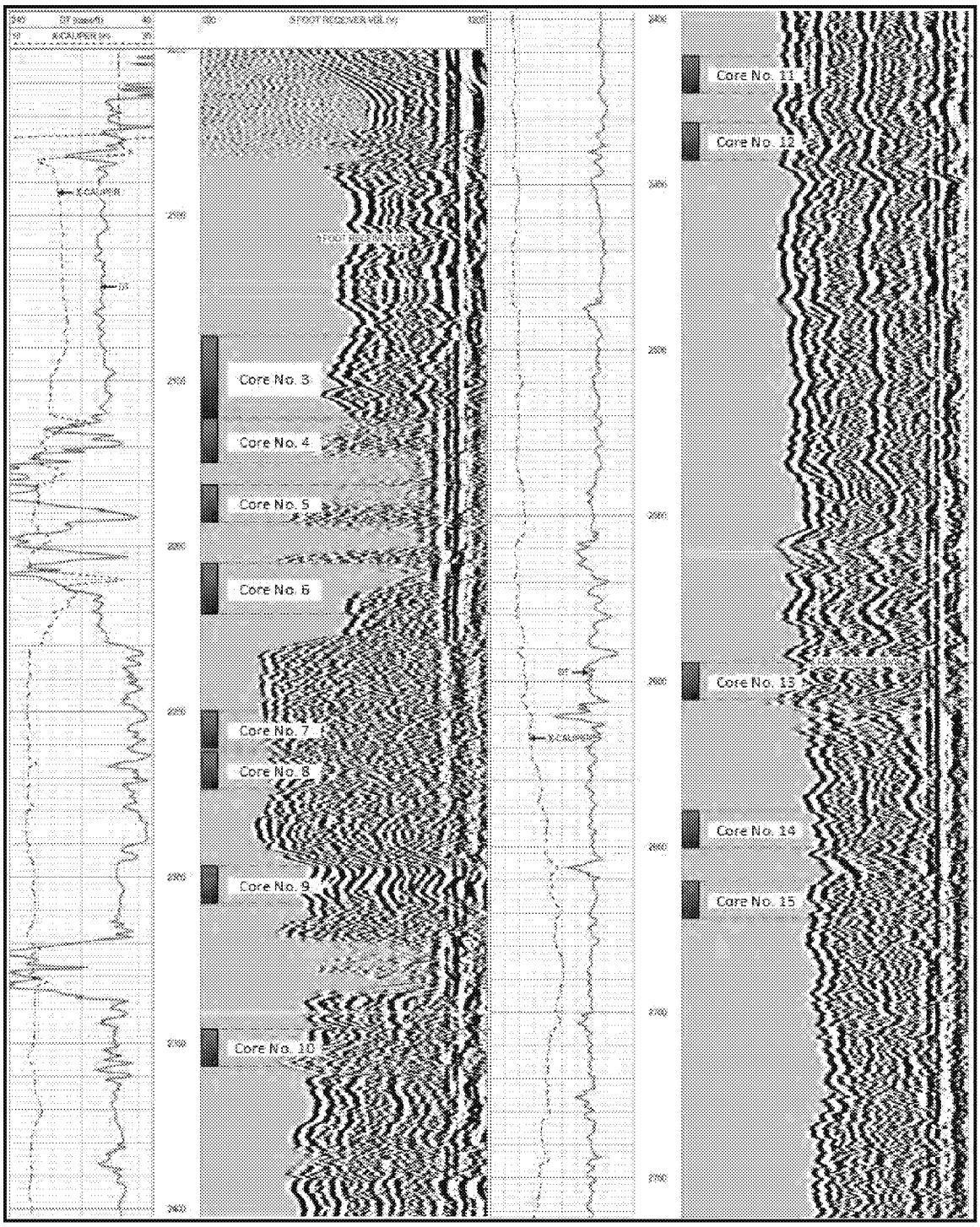

Exhibit C-4: Core Intervals on VDL Log - IW2

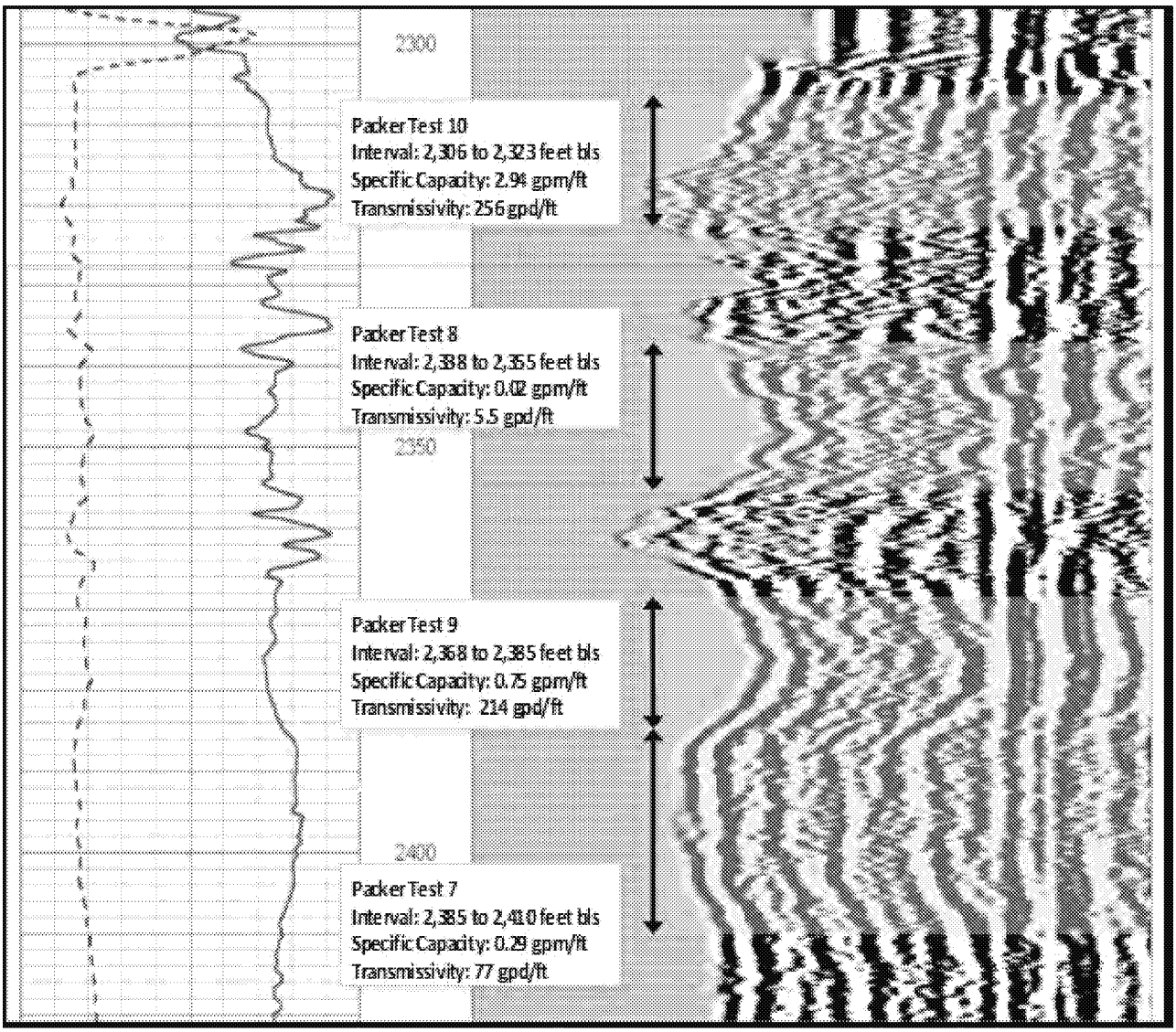

Exhibit C-5: Confinement Packer Tests No. 7, 8, 9, and 10 at IW-1

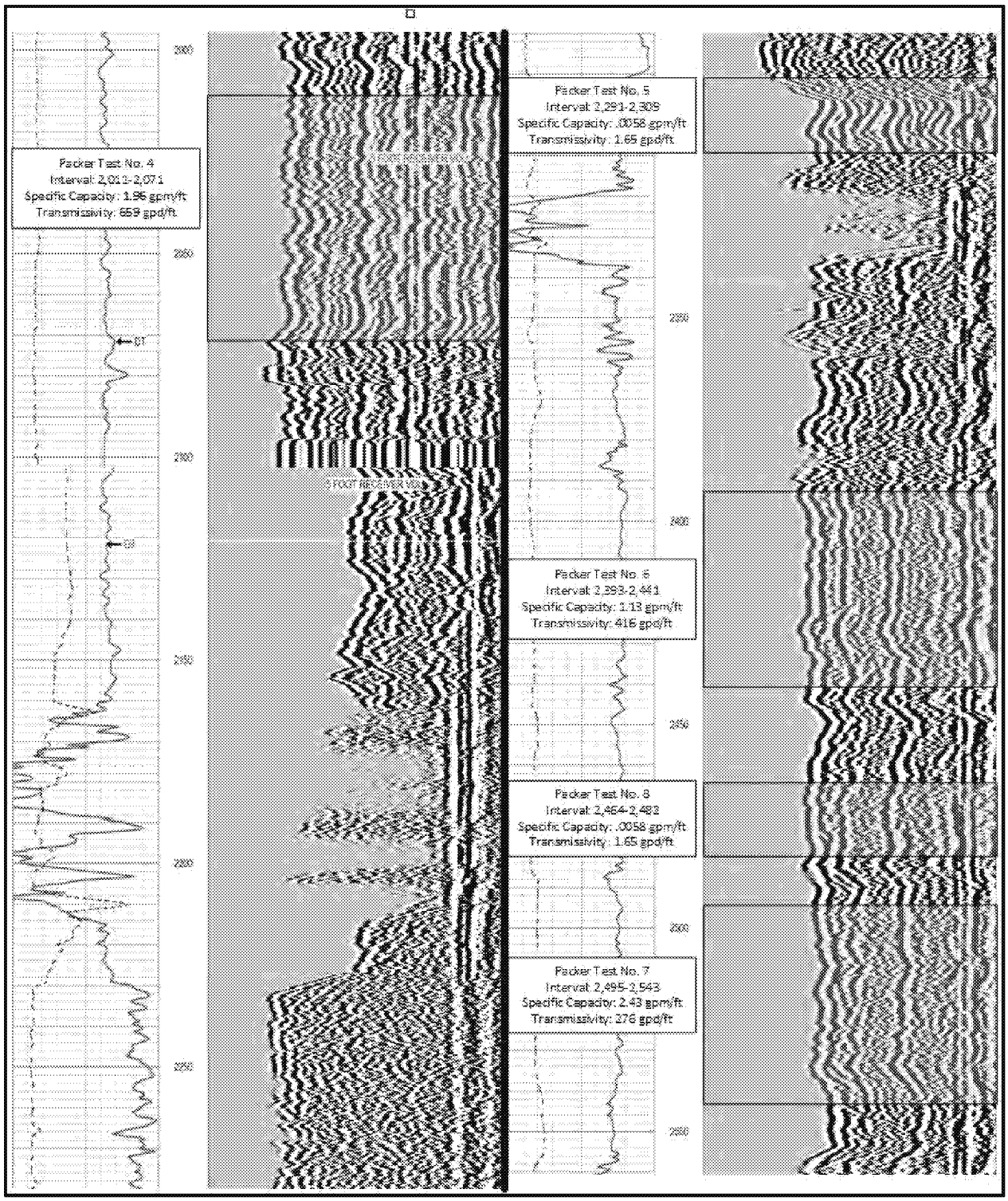

Exhibit C-6: Confinement Packer Tests No. 4, 5, 6, 7, and 8 at IW-2

Appendix D. Groundwater Model Technical Memorandum

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TABLE OF ACRONYMS

APPZ – Avon Park Permeable Zone

BLS – Below Land Surface

BLS – Below Sea Level

BZ – Boulder Zone

CD – Central District

CDWWTP – Central District Wastewater Treatment Plant

CDWWTP_NSM – Natural System Scenario

CDWWTP_PWS – Public Water Supply Scenario

CDWWTP_PWS_INJ – Public Water Supply and Injection Scenario

FAS – Floridan Aquifer System

FDEP – Florida Department of Environmental Protection

FPL – Florida Power and Light

LFA – Lower Floridan Aquifer

LFCU – Lower Floridan Confining Zone

MCU1 – Middle Confining Unit 1

MCU1 – Middle Confining Unit 2

MDWASD – Miami-Dade Water and Sewer Department

MGD – Million Gallons per Day

MOR – Monthly Operational Report

NDWWTP – North District Wastewater Treatment Plant

PEST – Model-independent Parameter Estimation Package

RO – Reverse Osmosis

SD – South District

SDWWTP – South District Wastewater Treatment Plant

SFWMD – South Floridan Water Management District

TDS – Total Dissolved Solids

UFA – Upper Floridan Aquifer

USDW – Underground Source of Drinking Water

USGS – United States Geological Survey

WASD – Water and Sewer Department

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INTRODUCTION

Purpose and Scope

The primary objective of the study was to simulate and analyze wastewater injection into the Boulder Zone at Central District Wastewater Treatment Plant (CDWWTP) and its movement vertically and horizontally in the Floridan aquifer system, and its potential effects on the underground sources of drinking water. Interactions between injected water from different wastewater plants was also analyzed in this study. Modeling projections at 6, 20, 50, 100, and 150 years into the future to visualize travel time were selected to analyze the movement of water in different stages, and migration of injected wastewater over time within aquifer systems and specifically to underground sources of drinking water (USDW). The USDW is defined by 40 CFR 144.3 as aquifer water quality less than 10,000 milligrams per liter (mg/L) total dissolved solids (TDS).

The scope of work included: a) modify US Geological Survey (USGS) Floridan model updated in 2009 for South District Wastewater Treatment Plant (SDWWTP) to simulate CDWWTP (both plants are shown in **Figure 1**) (ESRI, 2019), b) predict potential pathways of the migration of ammonia from wastewater injection at the CDWWTP in the boulder zone, c) predict effects on the USDW of the Floridan Aquifer System including Avon Park Permeable Zone and Upper Floridan Aquifer, and d) document the analysis of CDWWTP model in a technical memorandum. For this report, the USGS SDWWTP model will be referred to as the "SDWWTP model"; the modified model for CDWWTP will be referred to as the, "CDWWTP model"; and the WASD version of the SDWWTP model will be referred to as the, "modified SDWWTP model". The CDWWTP model was developed with a refined horizontal discretization at the Central District plant site and it is based on regional peer reviewed USGS SDWWTP model. The modified SDWWTP model includes injection rates at other plants and other locations and FAS water supply projects that were constructed and operational since the USGS SDWWTP model was developed.

Background

Miami-Dade Central District WWTP is located on Virginia Key, a barrier island in Biscayne Bay. Virginia Key is surrounded by the Atlantic Ocean and Biscayne Bay, a coastal estuary. Virginia Key is occupied by the CDWWTP, parks and aquariums, and university and federal agency research facilities. Eleven (11) non-hazardous Class-I injection wells (as shown in **Figure 2**) with associated monitoring wells are being constructed to dispose of secondary-treated CDWWTP domestic wastewater in the Lower Floridan Aquifer in the boulder zone (BZ). The maximum injection rate for each well is 18.65 MGD. The proposed injection wells will be constructed with a 24-inch diameter casing set at 2,650 ft below land surface (BLS) and a total depth of 3,200 ft BLS. Four (4) dual-zone monitoring wells will be completed in the Floridan Aquifer to monitor above the injection zone at the 1,150 – 1,240 feet BLS and 1,650 – 1,700 feet BLS aquifer intervals.

WASD's SDWWTP is located eighteen (18) miles south of CDWWTP, in southern Miami-Dade County. SDWWTP has seventeen (17) deep injection wells that have been used for domestic wastewater disposal since the 1980's. SDWWTP wastewater is injected into the BZ, and capacity and design is like the proposed injection wells at CDWWTP. Three (3) additional injection wells are currently under construction at SDWWTP. WASD also operates the North

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District Wastewater Treatment Plant (NDWWTP) in northern Miami-Dade County, which disposes of treated wastewater into four (4) deep injection wells into the Boulder Zone and are of similar construction to the injection wells of CDWWTP and SDWWTP. NDWWTP has been in operation since the late 1990's. In the 1990's, the USGS SDWWTP model (Dausman et al., 2009) was designed to assess risk to a drinking-water aquifer above the zone of injection. Evidence of upward fluid migration were detected in monitoring wells, as these wells had levels of ammonia detected above ambient levels. Complete details of the model descriptions are given in, "*Hypothesis testing of buoyant plume migration using a highly parameterized variable-density groundwater model at a site in Florida, USA*" (Dausman et al., 2009). The model has been fully documented and peer reviewed through USGS protocols, and outside peer review through scientific journals. The SDWWTP model was used as baseline for the CDWWTP modeling effort. The USGS Caribbean-Florida Water Science Center in Davie, Florida provided final updated calibrations (personal communication, 2017). Model documentation and files are available from the USGS.

Existing injection and monitoring well footprint layouts for the SDWWTP are shown in **Figure 3**. The SDWWTP model is a three-dimensional, density-dependent groundwater flow and transport model that was developed as a predictive and interpretive tool for migration wastewater due to injection of water from wastewater plant. The model was used to analyze different injection scenarios and the effects in the Upper Floridan Aquifer. The SDWWTP model was developed using a version of USGS SEAWAT Version 4 (Langevin et al. 2008). The source code for SEAWAT was developed by combining MODFLOW and MT3DMS into a single program that simultaneously solves for both coupled-flow and solute-transport equations.

MODEL CONCEPTUALIZATION

Floridan Aquifer System

The Floridan Aquifer System (FAS) is defined as a vertically continuous sequence of permeable carbonate rocks that are hydraulically connected in various degrees, and whose permeability is generally several orders of magnitude greater than that of the rocks bounding the system above and below (Miller 1986). The FAS comprises sediments of the Lower Arcadia Formation, Suwannee and Ocala Limestone, Avon Park Formation, Oldsmar Formation, and Cedar Key Formation. The FAS is divided into four units: Upper Floridan Aquifer (UFA), Middle confining unit, Avon Park permeable zone, and Lower Floridan Aquifer (LFA) (Bennett, 2003). Reese & Richardson (2004) mapped the hydrogeological units based on information mainly provided in **Table 1.** The location of regional FAS wells used for definition of Hydrogeologic units are depicted in **Figure 4**. It should be noted that Floridan Aquifer models developed by agencies such as the USGS and the SFWMD do not include the surficial Biscayne Aquifer, as there is no hydraulic connection between the surficial aquifers and the Floridan Aquifer System (Giddings et al, 2014).

Water Use Pumping

The UFA is used as a brackish water drinking water source in south Florida. The lower quality water in the APPZ is used for aquaculture in Miami-Dade County. Pumping data at production wells in the Upper Floridan and Avon Park Permeable Zone were obtained from South Florida Water Management District (SFWMD) water use permits.

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Table 1. Regional Wells used for the Definition of Hydrogeology Units

ID (Table below)	Local Well Number	Land Surface ft NAVD	Depth ft below land surface	Sources Used
1	G-2296 Alligator Alley test well, BW-0003 SWDSI, FLABRO2, W-16940	16	2,811	Reese, 1994; *Reese, 2000*; Reese and Richardson, 2008; geophysical logs (USGS internal files)
2	C-962 Racoon Point SWDSI, LCLC-21-A	26	3,350	Reese, 1994; *Reese, 2000*; Reese and Richardson, 2008; geophysical logs (USGS internal files)
3	NDWWTP IW-4 Miami-Dade North District WWTP	9	3,300	Cunningham, 2014; geophysical logs (USGS internal files)
4	SUN I-3 Sunrise WWTP	8	3,350	DB Hydro database; McNeill (2000); (I-4 Reese and Cunningham, 2014 SIR)
5	BF-1 Canal at Oakland Park, SFWMD test well W-17013; G-2938; W-17013	9	2,280	Reese and Richardson, 2008
6	FTL I-3 Ft. Lauderdale (I1, Reese 1994); (I4, Reese and Cunningham, 2014)	6	3,305	Meyer, 1989; Reese, 1994; Dausman 2010 model archive (USGS internal); Reese and Cunningham, 2014
7	PBP-I1 Pembroke Pines	10	3,600	Reese, 1994; Reese and Cunningham, 2014
8	G-3239; P-167, W-3054	24	11,558	*Reese, 2000;* Reese and Richardson, 2008
9	PU-I2(PU-I1); IW-2, Kendale Lakes WWTP, Peninsula Utilities	10	3,200	Black, Crow & Eidsness, 1970 (Engr. Report); Reese, 1994; Reese and Richardson, 2008
10	MO-122; FKAA Marthon 1; FLAMON12	4	2,154	Reese and Richardson, 2008
11	W-1976; P-108; FLAMON8	3	7,559	Reese and Richardson, 2008
12	HOLLYWOOD; HOL-IW1	6	3,500	Reese and Richardson, 2008
13	KROME AVE DF-1; L-30N Canal test well; G-3765; W-17089	11	2,745	Lukasiewicz (2003)
14	MIRMAR IW-1; G-2963	3	3,520	Reese and Richardson, 2008; Reese and Cunningham (2014)

Depths to the Top of Model Hydrogeology Units (Feet Below Land Surface) for IDs above:

ID	Hawthorn	UFA	MCU1	APPZ	MCU2	Dolomitic	LF1	LFACU	BZ
1	180	917	1,275	1,575	1,725	2,100	2,250	2,580	2,792
2	200	950	1,320	1,680	1,820	2,060	2,600	2,770	2,950
3	--	900	1,200	1,350	1,500	2,030	2,045	2,100	3,000
4	220	1,050	1,240	1,630	1,690	2,261	2,286	2,320	2,800
5	361	975	1,200	1,500	1,772	2,124	2,170	--	--
6	450	950	1,100	1,440	1,520	1,959	2,000	2,100	2,900
7	200	1,050	1,340	1,580	1,710	2,100	2,310	2,480	3,090
8	--	1,045	--	--	--	2,550	2,585	2,720	2,870
9	140	1,050	1,080	1,540	1,730	2,240	2,540	2,740	2,970
10	420	1,080	1,420	1,750	1,780	2,088	2,122	--	--
11	--	1,080	1,270	1,720	1,960	2,055	--	--	3,520
12	350	880	1,330	1,390	1,520	--	1,990	2,100	2,890
13	200	1,135	1,370	1,730	1,770	--	2,510	2,640	--
14	190	1,070	1,380	1,640	1,830	--	2,310	2,400	3,000

Hawthorn=Hawthorn Formation; UFA=Upper Floridan Aquifer; MCU1=Middle Confining Unit 1; APPZ=Avon Park Permeable Zone; MCU2=Middle Confining Unit 2; Dolomitic= Dolomitic Permeable Zone; LF1=Lower Floridan Permeable Zone; LFCU=Lower Floridan Confining Unit; BZ=Boulder Zone

Allocated pumping rates from permits for production wells were used in the simulation (**Table 2**). All production wells were considered in the model including Hialeah RO (about 17 miles away from Central District plant), FPL Turkey Point (about 24 miles from Central District plant), and Atlantic Sapphire (about 30 miles away from Central District plant). Note that production wells were not used in the USGS SDWWTP model. This model therefore was modified to include Floridan Aquifer System water supply pumping. **Figure 5** depicts the location of water use pumping wells used in model conceptualization. As noted earlier, the surficial Biscayne Aquifer in south Florida is hydraulically separated from the Floridan Aquifer System, and therefore water use pumpage in the Biscayne Aquifer is not represented in the model.

Table 2. Permitted Water Use from Upper Floridan Aquifer & Avon Park Permeable Zone

SFWMD Permit	Permittee Water User	Purpose - Source	Allocation, MGD
13-00005-W	Florida Keys Aqueduct	Consumptive - UFA	0.53
13-00003-W	FPL Turkey Point	Remediation - UFA	14.00
13-00003-W	FPL Turkey Point	Cooling Tower - UFA	8.94
13-00017-W	MDWASD Hialeah RO	Consumptive - UFA	9.07
13-00060-W	City North Miami Beach	Consumptive - UFA	3.72
13-06295-W	Atlantic Sapphire	Aquaculture - UFA	5.20
13-06295-W	Atlantic Sapphire	Aquaculture - APPZ	10.10
	Total		**51.56**

Wastewater Injection

Historical total injection rates at the SDWWTP from 1983 to 2013 were used to simulate injection in the SDWWTP model. **Figure 5** depicts the location of injection wells used in model conceptualization Permitted injection rates from the Florida Department Environmental Protection (FDEP) for Miami-Dade County wastewater treatment plants and other utilities are shown in **Table 3**. Operational reports (MORs) featuring this information are compiled at WASD and available at https://depedms.dep.state.fl.us/Oculus/servlet/login.

Table 4 shows underground injection effluent data, when available, for Waste-Water Treatment plants and other utilities for year 2019 as an example. **Figure 6** shows available injection data through the present day for the SDWWTP and the NDWWTP. The model assumes concentrations of 7,000 mg/L TDS of injected wastewater at WASD WWTPs and ammonia concentrations of 20.6 mg/L in accordance with the SDWWTP model. That model was modified to include injection rates at other plants and other locations that were constructed and operational since the original SDWWTP model was developed. Model assumptions are shown in **Table 4**.

Monitoring Data

Water quality in the FAS were collected and compiled from various sources including utility monthly operating reports submitted to the SFWMD and FDEP, and USGS databases. **Table 5** list the depth and unit aquifer location of monitoring wells at the plants, near utilities or in Miami-Dade County; most of them were used in model development as a target for calibration and/or for initial conditions. **Figure 7** shows the locations of said monitoring wells.

Table 3. Permitted Wastewater Injection Users to the Boulder Zone

FDEP UIC Permit No	Permittee	Description from FDEP UIC Permitting Authorization	Model Assumption
0293962-005-UO	Florida Power & Light Company	Allows for the disposal of hypersaline groundwater; maximum permitted flow for the injection well from 15.59 MGD to 18.64 MGD	15 MGD injected water with a concentration of 55,000 mg/L TDS
0289249-005-006-UO/1X	City of Hialeah RO WTP	Peak Flow Rate per injection well is 7.39 MGD (2 Injection wells)	15 MGD injected water with a concentration of 20,000 mg/L TDS
0344483-001-UC/5X	Atlantic Sapphire LLC.	Maximum capacity for the proposed injection well is 19.93 MGD	20 MGD injected water with a concentration of 17,000 mg/L TDS
061787-043-045-UC/1M	Miami-Dade South District WWTP	Maximum permitted capacity for each injection well is proposed to be 18.65 MGD (For IW-18, IW-19 and IW-20)	130 MGD injected water with a concentration of 7,000 mg/L TDS and 20.6 mg/L ammonia
061787-026-042-UO/1M	Miami-Dade South District WWTP	Maximum permitted capacity for each injection well except IW-5 is 18.65 MGD. The maximum permitted capacity for injection well IW-5 is 12.73 MGD. (All other wells)	
057792-021-024-UO/1M	North District WWTP Plant	Maximum permitted capacity for each injection well is proposed to be 18.65 MGD (4 Injection Wells)	120 MGD injected water with a concentration of 7,000 mg/L TDS and 20.6 mg/L ammonia
In process	Central District WWTP Plant		150 MGD injected water with a concentration of 7,000 mg/L TDS and 20.6 mg/L ammonia

Table 4. Historical Average Monthly Wastewater Underground Injection Effluent Rates and Water Quality for Year 2019 as an example

	Hialeah RO		A. Sapphire		FPL		SDWWTP			NDWWTP		
	Flow MGD	TDS mg/L	Flow MGD	TDS mg/L	Flow MGD	TDS mg/L	Flow MGD	TDS mg/L	NH3 mg/L	Flow MGD	TDS mg/L	NH3 mg/L
Jan	2	8,400	NA	NA	5	54,600	87	328	26	62	1,165	13
Feb	2	21,000	NA	NA	14	51,000	80	404	26	29	948	12
Mar	2	21,000	NA	NA	10	51,200	88	244	34	29	985	10
Apr	2	21,000	NA	NA	15	51,600	89	468	31	43	988	13
May	2	21,000	NA	NA	13	50,000	95	392	15	62	1,307	12
Jun	1	22,000	NA	NA	10	53,600	106	452	28	67	1,014	14
Jul	2	22,000	NA	NA	12	50,900	106	464	22	68	917	16
Aug	2	21,000	NA	NA	14	55,600	124	400	13	68	695	16
Sep	2	20,000	NA	NA	13	54,800	99	408	26	67	1,374	17
Oct	2	22,000	16	9,060	15	53,200	106	396	23	68	1,012	16
Nov	4	21,000	15	2,620	14	52,200	92	352	22	65	1,128	15
Dec	2	21,000	14	9,770	14	51,800	99	352	22	69	825	15
	2	**20,117**	**15**	**7,150**	**12**	**52,542**	**98**	**388**	**24**	**58**	**1,030**	**14**

Data for the FAS is scarce across Miami-Dade County. The longest recorded data available are from the SDWWTP and NDWWTP. There are other monitoring wells in Miami- Dade County; but most do not have extensive period of record. Most of the available data is for the UFA or APPZ. Very little data is available from the Lower Floridan Aquifer. Examples for monitoring wells at or near SDWWTP plant were chosen to present trends over time of TDS and ammonia. **Figure 8** and **Figure 9** show TDS and Ammonia, respectively, at FA1 located in the UFA. **Figure 10** and **Figure 11** shows TDS and Ammonia, respectively, at CHI upper located in the APPZ and at CHI lower located at MCU2. Both wells show no increase or decrease for TDS and ammonia. The upper zone UFA water quality data shows no evidence of upper fluid migration, which is consistent with all other wells at SDWWTP that monitor the UFA.

Table 5. Floridan Monitoring Wells for Water Quality in Miami-Dade County

Monitoring Well Name	Aquifer	Depth, ft BLS	Location
DZMW-1	MCU2	1,950	Hialeah
DZMW-1	MCU2	2,260	Hialeah
FA-1N	UFA	1,262	NDWWTP
FA-1N	APPZ	1,513	NDWWTP
FA-2N	UFA	1,259	NDWWTP
FA-2N	APPZ	1,505	NDWWTP
FA-3N	UFA	1,245	NDWWTP
FA-3N	APPZ	1,510	NDWWTP
FA-4N	UFA	1,245	NDWWTP
FA-4N	APPZ	1,510	NDWWTP
NMB-MW1A	APPZ	1,590	North Miami Beach
CDIDZMW-1	MCU2	1,700	CDWWTP
CHI1U	APPZ	1,430	near SDWWTP
CHI1L	MCU2	1,770	near SDWWTP
FA-1U	UFA	1,090	SDWWTP
FA-1L	MCU2	1,927	SDWWTP
FA-3U	UFA	1,050	SDWWTP
FA-3L	MCU2	1,892	SDWWTP
FA-14U	APPZ	1,575	SDWWTP
DZMW-1	APPZ	1,490	FPL
DZMW-1	MCU2	1,905	FPL
FKAA-MW1A	APPZ	1,550	Florida Keys Aqueduct Authority
ENP-100	UFA	1,333	Everglades
MW-1	MCU2	1,750	Atlantic Sapphire LLC
MDASR-MW1A	UFA	1,210	West Wellfield
MDASR-MW1B	MCU1	1,302	West Wellfield
DF-5	MCU2	1,800	WPA

CDWWTP MODEL DESIGN

Spatial and Temporal Discretization

The model domain includes Miami-Dade County and the Florida Straits (**Figure 12**). The SDWWTP model was based on a grid of varying cell sizes (100 at the plant to 15,000 ft distally), for a total of 127 rows, 163 columns, and 17 layers, including the Boulder Zone as an active layer. The model layers correspond to hydrostratigraphic layers as defined by Reese & Richardson (2007) and McNeill (2000, 2002); they are depicted in **Figure 13**. The model simulation period was from January 1983 through December of 2012, with monthly stress periods and an initial steady-state stress period. The model was calibrated for potentiometric heads, ammonia migration, and total dissolved solids (TDS) concentration. Automatic calibration method (PEST) was used during that process. Calibration parameters included hydraulic conductivity, storage, and porosity. Results of model calibration indicate that the simulated potentiometric heads and water quality values are in general agreement with field-observed data at most monitoring wells (i.e., targets). Simulated flow patterns and concentration distributions in major aquifers generally match the observed conditions.

The CDWWTP model was developed with a refined horizontal discretization at the Central District plant site, with cell sizes of 100 by 100 ft at the plant location, increasing gradually toward the model's edge to a maximum cell size of 15,000 ft (**Figure 12**). The CDWWTP model also consist of 17 layers, 127 rows, and 136 columns. Layering is consistent with SDWWTP (**Table 6**). The model encompasses a rather large area compared to the site, ensuring that model boundaries have minimal effects on effluent movement near the site.

Table 6. CDWWTP Model Layers Representing Aquifers and Confining Units

Layer	Hydrogeologic Unit	Model Geologic Unit
1	Biscayne/Surficial Aquifer	Miami LS; Ft Thompson fm; Tamiami fm
2	Upper Confining Unit	Peace River formation Hawthorn Group
3	Upper Confining Unit	Upper Arcadia formation Hawthorn Group
4	Upper Floridan Aquifer	Lower Arcadia Formation Ocala Limestone
5	Middle Confining Unit 1	Avon Park Formation
6	Middle Floridan Aquifer	Avon Park Permeable Zone
7-11	Middle Confining Unit 2	Avon Park Formation
12	Dolomitic Confining Unit	Delray Dolomite Oldsmar Formation
13	Lower Floridan Aquifer Permeable Zone	Oldsmar Formation
14-15	Lower Floridan Aquifer Confining Unit	Oldsmar Formation
16-17	Boulder Injection Zone	Delray Dolomite Oldsmar Formation

The discretization grid with finer horizontal scale at the CDWWTP plant location is used to better represent the movement of the project's injected wastewater at this location. Hydrogeological parameters and initial current conditions were derived from the SDWWTP model. This finer resolution model produced appropriate results given available local data. The model simulates the transport of two species: salinity and relative effluent concentration. Ammonia was used as a tracer for injected water to see its vertical spread over time.

The top layer of the model represents the Biscayne/Surficial Aquifer System. Immediately underlying the Biscayne/Surficial Aquifer is the Hawthorne Formation, a thick semi-confining

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unit that hydraulically isolates the surficial aquifer from the Floridan aquifer system. The Hawthorne Formation is represented using layer 2 and 3. For modeling purposes, the UFA (layer 4), MCU1 (layer 5), APPZ (layer 6), Dolomitic Confining Unit (layer 12), and LF1 (layer 13) were represented with one model layer. The MCU2 was represented with five evenly separated model layers (layers 7-11). The LFCU (layers 14-15) and BZ (layers 15-16) were represented, each with two evenly separated model layers.

Figure 14a, Figure 14b, **Figure 14c**, **Figure 14d**, **Figure 14e** and **Figure 14f** show model top surfaces contours for hydrostratigraphical units corresponding to layer 2, Hawthorn Group; layer 4, UFA; layer 5, MCU1; layer 6, APPZ; layer 7, MCU2 and; layer 13, LF1, respectively. Constant top surfaces were defined for the LFCU at 2,580 ft BLS and for the Boulder Zone at 2,800 ft BLS. The bottom of the Boulder Zone was also constant and defined at 3,000 ft BLS. Vertical boundaries to the south and east use ocean boundaries as well as some portions of the north and west boundaries that are over open water; these are explained in the next section.

Aquifer Properties

Spatial variations of hydraulic conductivity were determined with the pilot point method using PEST. These variations were employed for both horizontal and vertical hydraulic conductivity in layers 4 through 12. Values were then assigned to individual model cells by interpolating between pilot points. Heterogeneity at both the site and regional scale was treated by using two sets of pilot points in layers. One set of pilot points with high spatial density was used to represent hydraulic conductivity at the site (i.e., "inner" pilot points), while a second set of points of lower spatial density was used to represent hydraulic conductivity away from the site (i.e., "outer" pilot points).

The hydraulic conductivity of other model layers (Surficial, Hawthorn, Boulder Zone LFA, and Lower Confining Unit), as well as porosity and storage in all 17 layers, is assumed to be spatially uniform and is represented by a single parameter in each case (**Table 7**). Other locations within the model domain (vertical columns of one-cell width spanning layers 6–12) were assigned high values of vertical hydraulic conductivity to allow simulation of effluent movement along well casings.

Horizontal hydraulic conductivity was assumed to be equal to the vertical hydraulic conductivity, except for the APPZ. It should be noted that a lack of monitoring data prohibited the possibility of a distributed calibration for some parameters. For parameters where regional monitoring data was available, pilot point methodology was used for calibration. **Table 8** shows estimated distributed ranges of hydraulic conductivity though later methodology. CDWWTP area falls in the "outer" zone of pilot point meaning that aquifer properties assigned to cells are mostly derived from interpolation of few pilot point outside of the study area. Nevertheless, a comparison of cross-section of ammonia extent in CDWWTP (within the CDWWTP model) with an updated SDWWTP model is consistent with horizontal and vertical spread of injected wastewater, as shown later in the model results.

Table 7. Uniform Parameters Estimated in each Model Layer

Layer	Hydrogeologic Unit	Vertical Hydraulic Conductivity (ft/day)	Horizontal Hydraulic Conductivity (ft/day)	Specific Storage (1/ft)	Porosity
1	Biscayne/Surficial Aquifer	4.48E+01	4.48E+01	6.30E-05	0.322
2	Upper Confining Unit	3.18E-04	3.18E-04	1.37E-04	0.021
3	Upper Confining Unit	3.18E-04	3.18E-04	2.84E-06	0.500
4	Upper Floridan Aquifer			4.26E-07	0.056
5	Middle Confining Unit 1			8.39E-07	0.177
6	Avon Park Permeable Zone			5.32E-05	0.145
7	Middle Confining Unit 2			1.17E-07	0.011
8	Middle Confining Unit 2			5.63E-06	0.055
9	Middle Confining Unit 2			4.74E-07	0.431
10	Middle Confining Unit 2			1.51E-07	0.181
11	Middle Confining Unit 2			5.81E-07	0.510
12	Dolomitic Confining Unit			2.03E-06	0.094
13	Lower Floridan Aquifer	4.45E+01	4.45E+01	1.20E-06	0.011
14	LFA Confining Unit	2.67E+02	1.00E+02	7.59E-07	0.001
15	LFA Confining Unit	2.67E+02	1.00E+02	8.55E-07	0.001
16	Boulder Injection Zone	1.00E+03	2.06E+03	8.78E-07	0.011
17	Boulder Injection Zone	1.00E+03	2.06E+03	9.06E-07	0.011

Table 8. Distributed Hydraulic Conductivity Estimated for some Model Layers

Layer	Hydrogeologic Unit		Range of values from Literature (ft/day)	Minimum Value Calibrated (ft/day)	Maximum Value Calibrated (ft/day)
4	Upper Floridan Aquifer		0.47 – 1,100	0.6	950
5	Middle Confining Unit 1		5.5E-07 - 0.5	1.4E-05	5
6	Avon Permeable Park Zone	Horizontal	0.8 – 9,900	9.37E-02	900
		Vertical		2.07E-01	5
7	Middle Confining Unit 2		6.6E-07 – 0.6	2.00E-02	2
8	Middle Confining Unit 2		6.6E-07 – 0.6	1.56E-02	1
9-11	Middle Confining Unit 2		6.6E-07 – 0.6	3.56E-05	4
12	Dolomitic Confining Unit		3.8E-06 – 1.1E-03	40	6,970

Transport Properties

Longitudinal dispersivity is a function of the model area's spatial scale (Gelhar et al 1992). Based on field experiments, it was observed that dispersivity increased with distance between the source and observation point due to the large-scale heterogeneities. Averaging of any property over space will eventually arrive at a stagnation point for a given location, and it is so expected with dispersivity values. In the case of deficiency of field data, it should be assumed that a set of values of longitudinal dispersivity, horizontal, and vertical transverse dispersivities are uniform throughout the model domain for the coupled density-dependent simulation. The selected parameters considered most representative are shown in **Table 9**. These values depend in part on the discretization of the model.

Table 9. Transport Parameters Used in the CDWWTP Model

Transport Parameters	Values (feet)
Longitudinal Dispersivity	400
Horizontal Transverse Dispersivity	400
Vertical Transverse Dispersivity	40

Boundary and Initial Conditions

A conceptual groundwater flow model should embody all the important features of the flow system and identify all simplifying assumptions associated with this understanding. Mercer and Faust (1981) state that the conceptual model should consider cause and effect relationships of the modeled system to determine its behavior. Therefore, a model's boundary definition is an important consideration during its early design since boundaries can affect flow/transport patterns and water budgets. A model boundary is the interface between the calculated model domain and the surrounding environment. This facet comes to life via mathematical equations, which represent the outer physical conditions of the model as interpreted by the modeler. In many cases, model boundaries are defined by practical objectives, especially when there are many unknowns in the surrounding environment (e.g., location of aquifer outcrops).

Constant-head cells (in blue, **Figure 14a** through **Figure 14e**) representing the Atlantic Ocean are assigned to the model grid based on the intersection of sea floor bathymetry with the model grid. Model inflow and outflow can occur along the Atlantic Ocean outcrops and from the deeper Boulder Zone.

Biscayne/Surficial Aquifer (Layer 1) is represented by constant-head cells. Layer 1 is separated from the Floridan Aquifer System by a thick semi-confining layer (Hawthorne Formation), so it has no on the Floridan Aquifer System. Below layer 1, only layers 4 (Upper Floridan Aquifer) and 6 (Avon Park Permeable Zone) contain constant-head boundaries on the landward side of the model (see **Figure 14b** and **Figure 14c**). Potentiometric heads and concentrations along later boundaries are difficult to quantify and were set as calibration parameters in the simulation. The northern boundary represents lateral regional flow entering the model and the southern represents flow gradient. Small differences in the locations of some of the boundaries compared to the SDWWTP model occur due to the translation to a different grid discretization. A No-Flow boundary is considered in the model's bottom layer, 17.

Initial heads and concentrations for density-dependent groundwater models are typically obtained by running the model for a long period of time under a pre-development stress regime (Dausman et al., 2009). Unfortunately, this is a computationally intensive procedure, particularly for deep aquifers with slow response times, such as the Floridan aquifer system. Additionally, because initial conditions depend on values assigned to the model parameters, each parameter estimation run would require an initial condition run; overall calibration times would thus be prohibitive. To mitigate this problem, initial head and salinity conditions that agreed with measured values prior to injection were calculated using a semi-analytical approach; pertinent initial condition parameters were then estimated as part of each calibration process.

Characterization of the salinity field was reduced from three dimensions to two by matching the depth to the interface (i.e., the "depth" is assumed to be at 50% freshwater and 50% seawater, or a TDS of 17,500 mg/L) to measured field observations, and then projecting this surface onto the three-dimensional grid. The transition zone from freshwater to seawater is represented using an

analytically characterized continuous-concentration profile with a transition zone width estimated through model calibration. Initial salinities above this transition zone were assigned a freshwater value of 0 mg/L while salinities below the transition zone were assigned seawater salinities of 35,000 mg/L. A value of 35,000 mg/L represents the TDS concentration of seawater and less than 500 mg/L represents the TDS of potable water. A constant TDS concentration of 35,000 mg/L (seawater) was assumed for the Boulder Zone. After salinities were estimated, one steady state forward run of the model provided simulated potentiometric heads, which were then compared to pre-injection measured potentiometric heads (Dausman et al., 2009).

Initial conditions for the UFA and APPZ are shown in **Figure 15** and **Figure 16**, respectively. The 10,000 mg/L TDS line is also depicted in each of the figures. Please note that CDWWTP lies within very close proximity to the modeled 10,000 mg/L TDS zone in the UFA, which represents the saltwater intrusion line in the UFA from the east (**Figure 15**). The APPZ at CDWWTP lies within the saltwater portion of the APPS (**Figure 16**).

CDWWTP MODEL RESULTS

The CDWWTP model was used to simulate up to 150 years of potential migration of injected wastewater at the designed future capacity into the Boulder Zone in Miami-Dade County. The permitted water use pumping rates at production wells were extended using existing permitted allocations, to simulate up to 150 years of injection. After a 30-year model simulation from January 1983 to December 2013, all the conditions and stresses were repeated until it reached 150 years. Ammonia was used as a tracer for injected wastewater to assess migration over time both vertically and horizontally. The 150-year model run was done to assess possible far in the future impacts to USDWs per Environmental Protection Agency (EPA) comments during pre-meetings on the project. For the initial condition in the scenarios in this study, results were used from the last stress period (2013) concentrations and the heads from the SDWWTP simulation. These results represent the system after 30 years of historical rate injection at SDWWTP. These initial conditions were used because they represent the current state of the system rather than natural system initial conditions.

Model results were compared with an updated SDWWTP model output to ensure model integrity and compatibility. The updated SDWWTP model was used to simulate up to 150 years for potential migration of injected wastewater at the designed future capacity into the boulder zone. The updated SDWWTP version includes equal stresses (injection and pumping) as the CDWWTP model. Cross-sections for the spread of injected wastewater with ammonia concentration for the modified SDWWTP were consistent with the CDWWTP model. South District injection has more spatial migration as result of injection since 1983.

Model results are to be evaluated comparatively (i.e., evaluating the relative difference between scenarios) with the aim of isolating the effect of a specific stress. This comparison focuses on the three model scenarios identified below:

- Natural System Scenario (CDWWTP_NSM): wherein the model does not incorporate any stresses such as production and injection wells and represents natural flow and concentrations in the Floridan Aquifer System.

- Water Supply Scenario (CDWWTP_WSP): includes production wells in the Upper Floridan and Avon Park Permeable Zone. This model run may help to isolate the effects in the system due to pumping.
- Water Supply with Injection (CDWWTP_WSP_INJ): which includes production wells from the second scenario and wastewater injection wells into the Boulder Zone. This model run may help to isolate the effect of the increase of pressure and decrease of TDS due to wastewater injection.

Comparison of those scenarios would help to assess the effect of injected water (e.g., pressure and TDS) affects the system and what changes it introduces into the Upper Floridan Aquifer and Avon Park Permeable Zone. The third scenario may show how the injected wastewater spreads vertically and horizontally in the system.

TDS and Flow Direction

This section is presenting the following figures for the three scenarios, describe above, for the UFA, APPZ and LFA, after 50 years of simulation starting in 2013: a) TDS for 3,000, 10,000 and more than 35,000 mg/L categories mainly to compare the 10,000 mg/L USDW line variation between scenarios; b) Flow vectors with significant magnitude to provide a general direction of the simulated flow; and c) A groundwater divide to provides a conceptual defined line connecting the high points on the potentiometric head.

Natural System Scenario (CDWWTP_NSM): The natural flow in the UFA (**Figure 17**) shows flows to the east towards the Atlantic Ocean in the northern part of Miami-Dade County, including the area surrounding CDWWTP. There is a groundwater flow divide just north of SDWWTP, with flows in the natural system flowing to the north then east north of SDWWTP and flows towards the south then east towards Atlantic Ocean south of SDWWTP. Water supply pumping from the APPZ (**Figure 18**) presents vectors trend toward the northeast. Water supply pumping from the LFA (**Figure 19**) presents vectors trend toward the northeast and northwest.

Water Supply Scenario (CDWWTP_WSP): Water supply pumping from the UFA (**Figure 20**) leads to a TDS increase in the UFA in the area of UFA wellfields, particularly around the Hialeah RO in northwest Miami-Dade, Atlantic Sapphire Aquaculture areas in southwestern Miami-Dade, and Florida Power & Light Turkey (FPL) in southeastern Miami-Dade. It appears that pumpage in these facilities are pulling in higher TDS water from the east and from underlaying more brackish layers. Higher increase in TDS at the Atlantic Sapphire appears to be the result of upconing from underlaying more brackish layers.

Flow direction changes only in the northwestern and southern parts of Miami-Dade County near the wellfields compared to natural flow. Flow Direction at CDWWTP does not appear to be affected by the wellfields, as near CDWWTP the flow direction remains to the east as in the Natural System scenario (CDWWTP_NSM). The water divide still appears in the CDWWTP_PWS scenario just to the north of SDWWTP. Water supply pumping from the APPZ (**Figure 21**) presents vectors trend toward the northeast. Water supply pumping from the LFA (**Figure 22**) presents vectors trend toward the northwest.

Water Supply with Injection (CDWWTP_WSP_INJ): Future injection makes flow magnitude visible in the plot in more parts of the model as shown in the CDWWTP_WSP_INJ scenario (**Figure 23**). Therefore, increasing the magnitude of flow in **Figure 23** shows that UFA flow

in the north area is moving toward the northwest, probably because of proximity to the boundary condition. In the south, the UFA flow moves mainly toward the east. **Figure 23** presents similar UFA flow vectors as in the CDWWTP_NSM Scenario (**Figure 17**). CDWWTP area flow direction is generally to the east in all scenarios. Similar trends are observed in the APPZ (**Figure 24**). However, the east flow direction is more to the east and the west flow direction is more towards the northwest.

The Lower Floridan Aquifer has three small zones with a TDS less than 10,000 mg/L due to injection of fresher water into the BZ. For example, TDS less than 10,000 mg/L is observed within a radius of 2 miles from CDWWTP (**Figure 25**). Arrows go in one direction or radially from plant locations. The hypersaline TDS of the FPL BZ injection of extracted surficial aquifer hypersaline plume at Turkey Point in South Dade can be seen in **Figure 25**.

The groundwater divide in the UFA moves to the north-east due to public water supply pumping. The effect of injection on the groundwater divide is insignificant. Similarly, the groundwater divide in the APPZ move to the northeast due to public water supply. This would suggest that movement of the groundwater divide is a result of the strong influence of the FPL UFA wellfield (**Figure 26**); and the movement of the groundwater divide to the east is a result of the influence of Hialeah-RO. A similar situation is observed in the APPZ (**Figure 27**). There is not a defined groundwater divide in the LFA.

Tracing Migration of Ammonia

Figure 28 shows the potential vertical movement of ammonia concentration higher than 4 mg/L in a model cross-section after 50 years of injection at SDWWTP and CDWWTP simulated with the respectively models for CDWWTP_WSP_INJ. Ammonia does not go above Middle Confining Unit 2 (around 2,247 ft BLS to 2,317 ft BLS) (Layer 11) in either simulation. Concentration values of ammonia less than 4 mg/L could be the result of model error because the mean residual for the model was about 4 mg/L of ammonia (personal communication with USGS). Per the peer reviewed USGS model, a concentration of 4 mg/L was used then as indication of municipal wastewater migration.

Potential vertical migration of ammonia at the Central District plant location for concentrations above 4 mg/L is depicted in **Figure 29** for 20 and 50 years of injection starting in 2013. This figure shows the model simulation of ammonia in a vertical cross-section (west to east). The 4 mg/L of ammonia does not go above the Middle Confining Unit 2 (about 2,250 ft BLS to 2,320 ft BLS) (Layer 11, as named in **Figure 29**). The plume appears to migrate in the Lower Floridan Aquifer towards the direction of groundwater flow

Contour maps of potential spatial migration of ammonia concentrations higher than 4 mg/L in any model layer (if present) is depicted after 20 and 50 years of wastewater injection into the Boulder Zone in **Figure 30,** and **Figure 31,** respectively. There is no upward ammonia migration observed in the APPZ and UFA.

NDWWTP wastewater treatment plants are close to model boundaries in the north. Therefore, this boundary effects the ammonia spread increasing the uncertainty of the simulation near the boundary. This can be clearly seen while looking at NDWWTP ammonia contours and how they are skewed toward the east and west because of the no-flow boundary in the north.

The contour lines for 4 mg/L of ammonia at any plant are independent of the other plants after 3 years of simulation. The contour lines are still independent but getting closer to each other after 20 years. Finally, the contour lines start to interact between the plants after 50 years of simulation. The horizontal migration has a radial shape for every layer around each plant. This radial expansion goes from the bottom layer, the Boulder Zone, up to the bottom of Middle Confining Unit 2 (layer 11), however the migration above the BZ decreases in concentration as it rises.

Potential vertical migration of ammonia at the Central District plant location for concentrations higher than 4 mg/L is depicted in **Figure 32** for 150 years of injection. First, one should notice that for predicting timespans far into the future it is important to remain aware of the assumptions and limitations of the model. This figure shows the model simulation of ammonia in a vertical cross-section (west to east). The 4 mg/L of ammonia does not go above the Middle Confining Unit 2 (about 1,890 ft BLS to 2,050 ft BLS, **Figure 32**), and appears to migrate vertically similar as for the 50-year scenario. Migration of ammonia in the Lower Floridan Aquifer follows groundwater flow towards the east.

For a better indication of changes or no changes to water quality, monitoring wells observed to actual and simulated TDS for the next 50 years for FA1 (UFA), CHI-U (APPZ) and CHI-L (MCU2), are depicted in **Figure 33, Figure 34,** and **Figure 35,** respectively. No detected ammonia in the UFA and MCU1 simulation is observed for the next 50 years. The slight uptrend of the TDS may be due to sparse data and calibration of model initial conditions.

Mass-Balance

Mass-Balance provides an understanding of how water is flowing, vertically between aquifer units and horizontally towards the east face of control volume. Mass-Balance budget calculations from the CDWWTP model, were used on a global (model domain) and local scales, for all hydrogeologic units in the model. The local mass balance was computed for a control volume defined within four miles around Hialeah RO, Atlantic Sapphire Aquaculture, and FPL facilities.

The mass-balance illustrates hydrogeologic units from the upper UFA to the lower BZ in the following terms: a) the net vertical flow between units, the average TDS and Ammonia concentrations, and b) the net horizontal flow through the east face of control volume, and its average TDS and Ammonia concentrations. The convention for mass balance terms is depicted in the legend of figure schematics and in the direction of net flows as indicated by the arrow directions. Note that flows from north, south, and west faces are not shown. Our main objectives are the upward and the flows through the east face of control volume.

Mass-balance schematics are depicted comparing scenarios: The Natural System (CDWWTP_NSM) (left), the Water Supply (CDWWTP_WSP) (center), and the Water Supply with Injection CDWWWTP_WSP_INJ) (right).

The following trends were observed for the global domain mass-balance after 20 years of simulation, (**Figure 36**):

- About 6, 5 and 8 MGD flows from the UFA are going up into the Hawthorn Formation for the CDWWTP_NSM, the CDWWTP_WSP, and the CDWWTP_WSP_INJ, respectively.
- Upward net vertical flow occurs from each aquifer unit. Upward flow from MCU1 to UFA is 16, 39, and 64 MGD, and from APPZ to MCU1 is 17, 39, and 65 MGD for the CDWWTP_NSM, the CDWWTP_WSP, and the CDWWTP_WSP_INJ, respectively. Those fluxes are increasing due to withdrawals for water supply, suggesting thus that the groundwater withdrawals from the UFA and APPZ are being replaced by an upward flux from below. Upconing of water into the UFA at the wellfields appears to be mostly from the MCU1 or APPZ.
- Net flow through the east face of control volume in the UFA to the east direction, is 9, 6, and 22 MGD, and in the APPZ towards the coast is 5, 0.2, and 19 MGD for the CDWWTP_NSM, the CDWWTP_WSP, and the CDWWTP_WSP_INJ, respectively. Those fluxes are decreasing due to withdrawals for water supply; and they increase again when the injection is active. The horizontal flows in the LFA present the same trend but at much lower levels. It is observed that the net flow through the east face of control volume in the BZ to the east has a significantly higher flow (176 MGD) when the injection is active as would be expected. A much smaller flow, and in an opposite direction (from east to the west) is observed for the other two scenarios.

The following is observed for the Hialeah RO mass-balance after 50 years of simulation (**Figure 37**):

- The UFA flows into the Hawthorn Formation for the three scenarios is insignificant.
- Upward net vertical flow occurs from each aquifer unit. Upward flow from MCU1 to UFA is 0.5, 5, and 6 MGD, and from APPZ to MCU1 is 0.5, 5, and 6 MGD for the CDWWTP_NSM, the CDWWTP_WSP, and the CDWWTP_WSP_INJ, respectively. Those fluxes are increasing due to withdrawals for water supply, suggesting thus that the groundwater withdrawals from the UFA are being replaced by an upward flux from below. The upward vertical flux is increasing, even more when injection occurs due to changes in density and pressure. Same upward flows behavior can be seen in the deeper hydrogeologic units.
- Net flow through the east face of control volume in the UFA, APPZ and LFA are insignificant. It is observed that the flow through the east face of control volume in the BZ has a significantly higher flow (17 MGD) from the east when the injection is active. A smaller flow (from the east to the west) is observed for the other two scenarios.
- After combining injected water with lower TDS (20,000 mg/L) into saline ambient water quality BZ, TDS concentrations decrease from BZ to MCU2, compared to the other two scenarios. However, there is a slight increase on TDS from MCU2 and the upper units when considering water supply and injection. Upconing of water into the UFA at the wellfields appears to be mostly from the MCU1 or APPZ.
- In summary, this analysis for this volume of control behaves similar as the global system.

The following is observed for the Atlantic Sapphire Aquaculture mass-balance after 50 years of simulation (**Figure 38**):

- The UFA flows into the Hawthorn Formation for the three scenarios is insignificant.
- Upward net vertical flow occurs from each aquifer unit. Upward flow from MCU1 to UFA is 0.3, 4, and 4 MGD, and from APPZ to MCU1 is 0.3, 4, and 4 MGD for the CDWWTP_NSM, the CDWWTP_WSP, and the CDWWTP_WSP_INJ, respectively. Those fluxes are increasing due to withdrawals for water supply, suggesting thus that the groundwater withdrawals from the UFA and APPZ are being replaced by an upward flux from below. Same upward flows behavior can be seen in the deeper hydrogeologic units.
- Net flow through the east face of control volume in the UFA, APPZ and LFA are insignificant. However, flow in the BZ has a significantly higher flow (12 MGD) when the injection is active.
- After combining injected water with lower TDS (19,000 mg/L) into saline ambient water quality BZ, TDS is decreasing significantly from BZ to MCU1, compared to the other two scenarios.
- In summary, this analysis for this volume of control behaves similar as the global system. However, the vertical migration in this case shows very clearly reduction in TDS and some increase in flow in the column caused by salinity induced buoyancy effects, which in turn are caused by the injection of much lower TDS into the BZ.

The following is observed for the FPL mass-balance (**Figure 39**):

- The UFA flows into the Hawthorn Formation for the three scenarios is insignificant.
- Upward net vertical flow occurs from each aquifer unit. Upward flow from MCU1 to UFA is 0.2, 2, and 2 MGD, and from APPZ to MCU1 is 0.2, 2, and 2 MGD for the CDWWTP_NSM, the CDWWTP_WSP, and the CDWWTP_WSP_INJ, respectively. The upward vertical flux practically does not change in magnitude between scenarios suggesting that the injection of hyper-saline water into the BZ does not create the upward gradient as observed in previous analysis.
- Net flow through the east face in the UFA is in the west direction. This flow is insignificant in the natural system. But, higher flows (15 MGD) are observed when considering water supply and water supply and injection. Those fluxes are increasing due to withdrawals for water supply, suggesting thus that the groundwater withdrawals from the UFA are mainly coming from horizontal flows; not as an upward flux as observed in Hialeah or Atlantic Sapphire.
- Net flow through the east face of control volume in the APPZ and LFA are insignificant. However, flow in the BZ has a significantly higher flow (26 MGD) to the east towards the outcrops when the injection is active. It is observed that this flow is coming mainly from the north face and from injected flow.
- After combining injected water with a super-saline TDS (51,000 mg/L) into BZ, TDS is decreasing from BZ to MCU1, compared to the other two scenarios. It is observed that TDS in the BZ is mixed with fresher water from flow through the north face with a low TDS.

SUMMARY AND RECOMMENDATIONS

As with all models, the CDWWTP model approximates reality, and as an approximation, has the potential to be continuously refined as more and more new data become available. Despite its limitations, however, there are number of benefits to be derived from the CDWWTP Model. It can be used as a predictive tool for local effluent spread migration, but its value lies within the conceptual understanding of the flow system to be gained through the process of continual model usage and refinement. The CDWWTP Model provides information on groundwater flow through the FAS and predicts potential vertical migration of injected wastewater into the Boulder Zone, as consistent with the SDWWTP monitoring wells. Ammonia was used as a tracer for injected water to see its vertical spread over time as a conservative solute (e.g., no decay, no retardation).

Injected wastewater was not observed to migrate to the Avon Park Permeable Zone or the UFA. Ammonia migration may migrate into the Middle Confining Unit 2 (about 1,890 ft BLS to 2,050 ft BLS), after 150 years of model simulation, but still below the base of the USDW throughout south Florida. Flow direction is to the east towards the Florida Straits in Upper Floridan Aquifer and Avon Park Permeable Zone during the natural state (non-pumping conditions) as well as when the UFA production wells are online and injection wells are in operation. A groundwater divide was also identified from the groundwater modeling results within the FAS, 14 miles to the west of CDWWTP, that hydraulically separates the UFA wellfields from Miami-Dade IW Systems. The movement of the groundwater divide in the UFA is a result of the strong influence of the FPL wellfield. Based on these groundwater modeling results and confinement between the UFA and Boulder Zone; there would be no water quality impact in existing or new UFA production wells.

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Appendix A

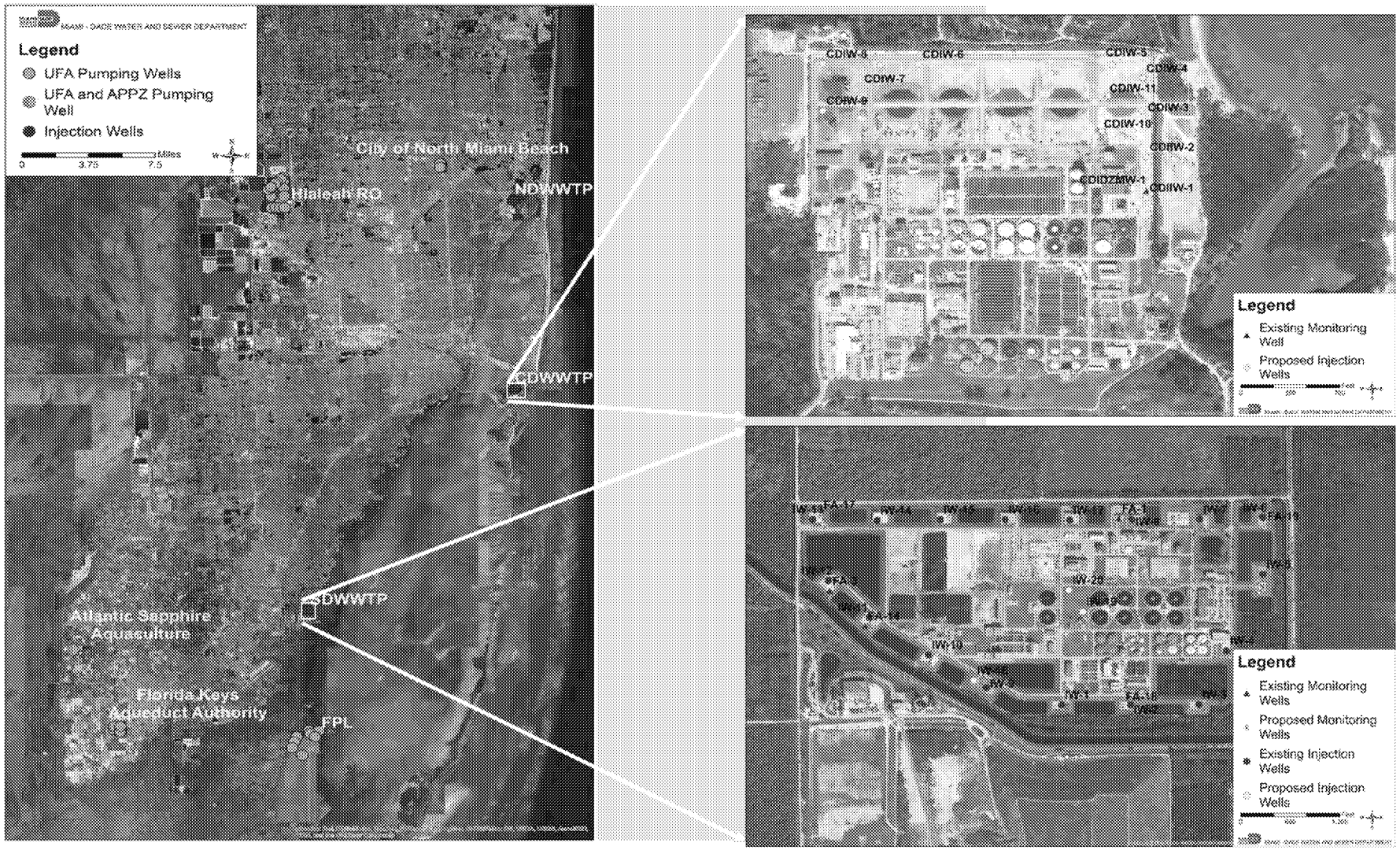

Figure 1. Wastewater Treatment Plant Site Locations, CDWWTP (*top right*) and SDWWTP (*bottom right*)

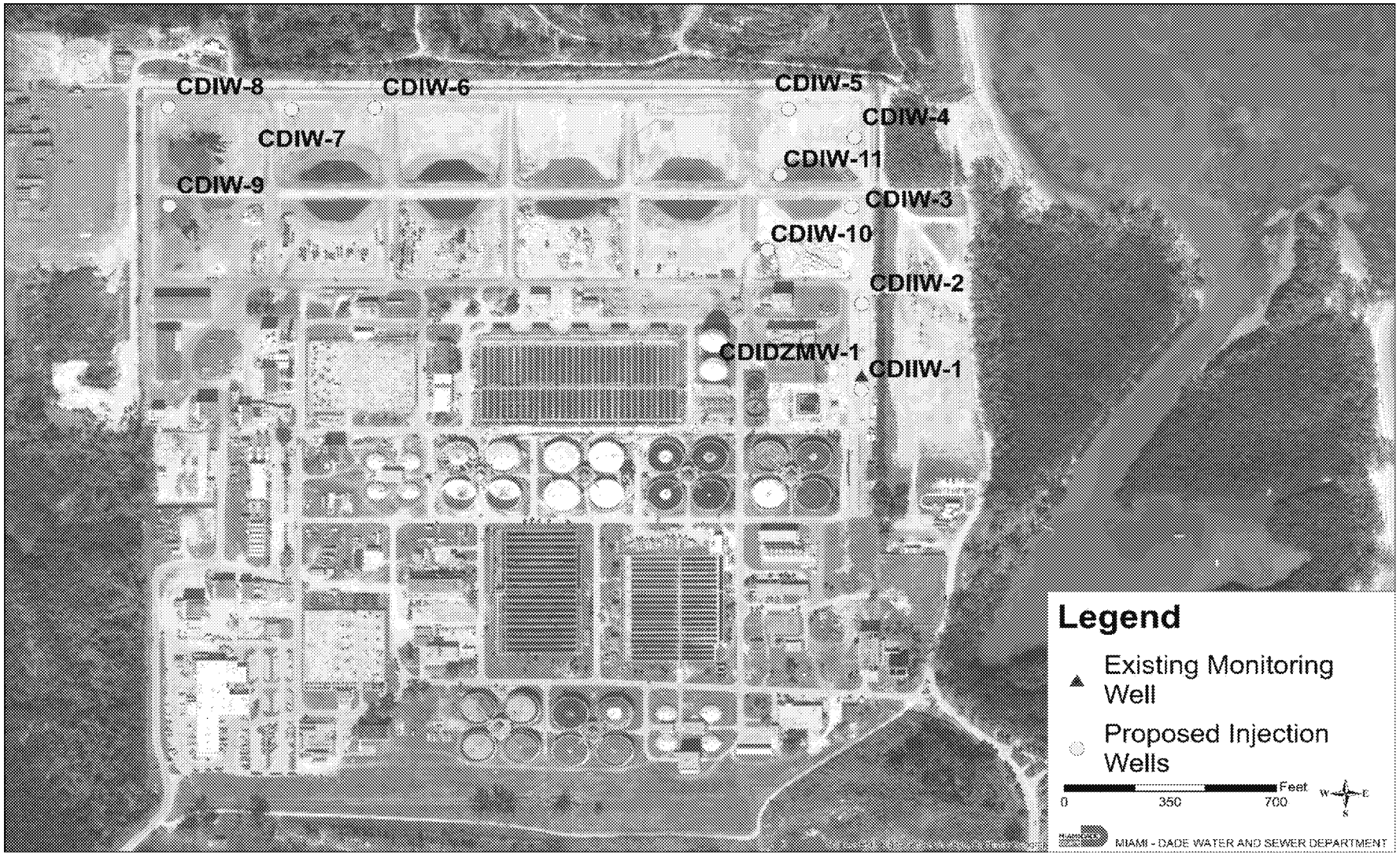

Figure 2. Map Showing Proposed Injection Wells (CDIW-#) at the CDWWTP

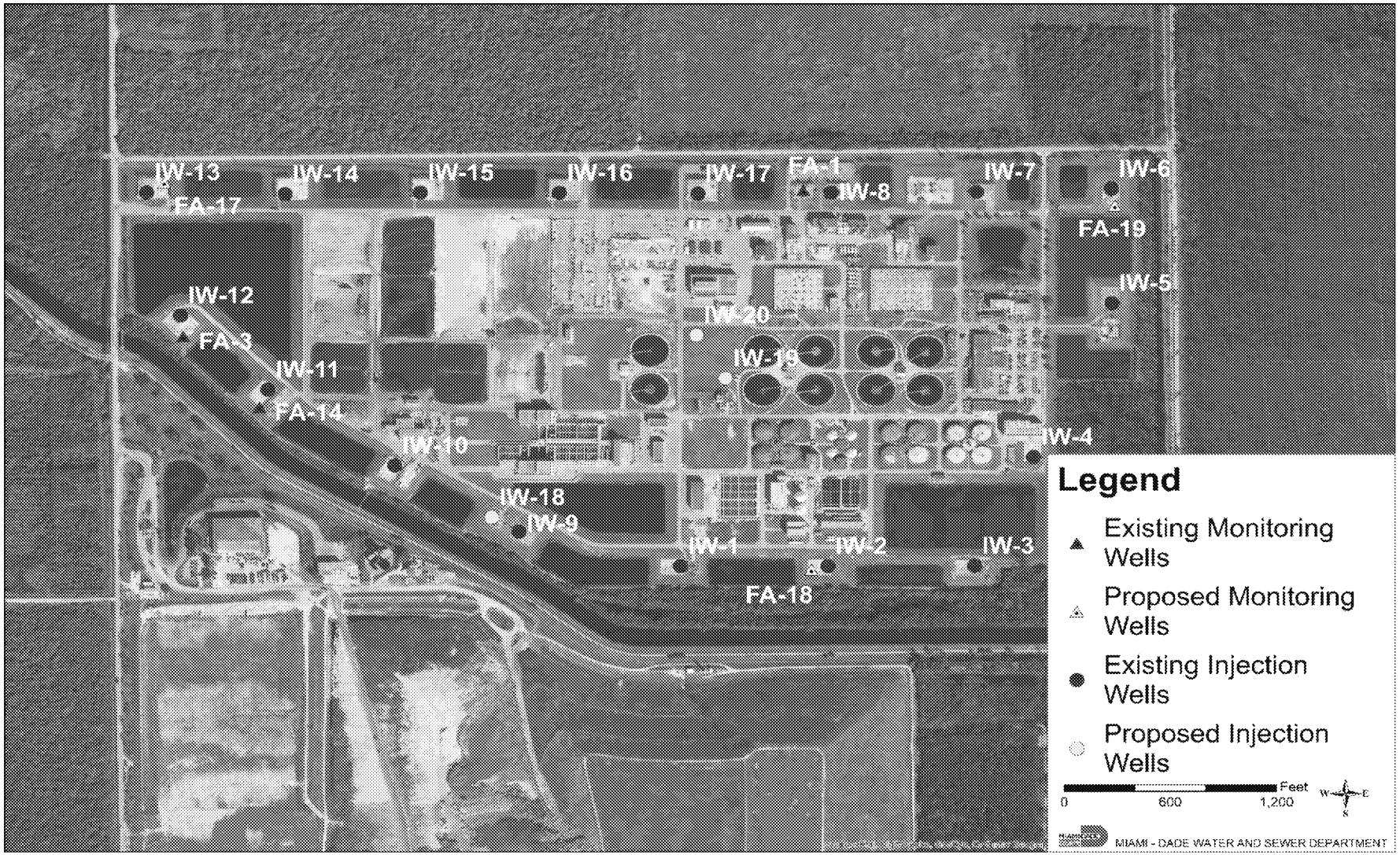

Figure 3. Map Showing Injection Wells (IW-#) and Upper (FA#U) and Lower (FA#L) Monitoring Wells at the SDWWTP

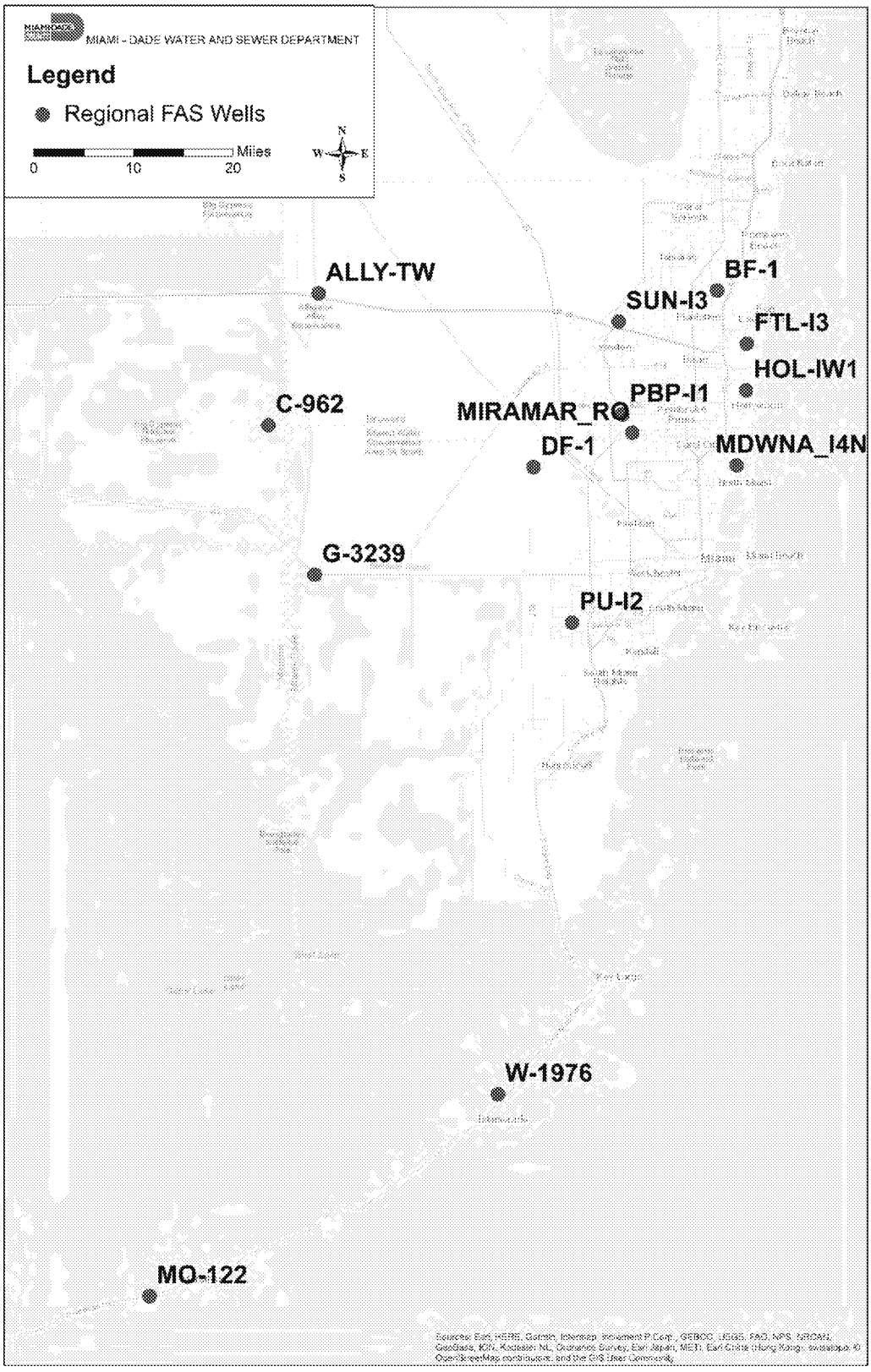

Figure 4. Location of Regional FAS Wells Used for Definition of Hydrogeologic Units

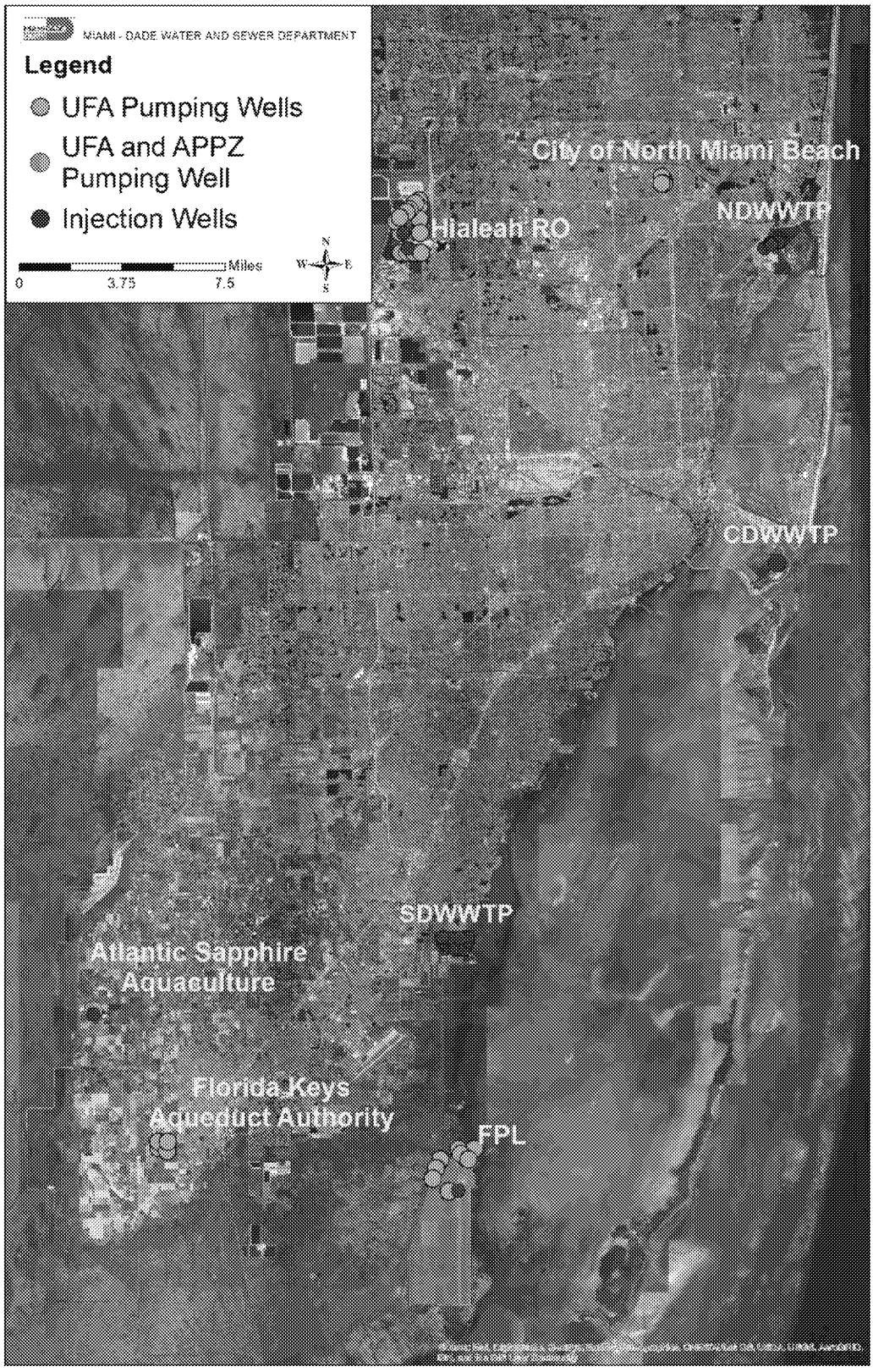

Figure 5. Location of Production Wells and Injection Wells in the FAS

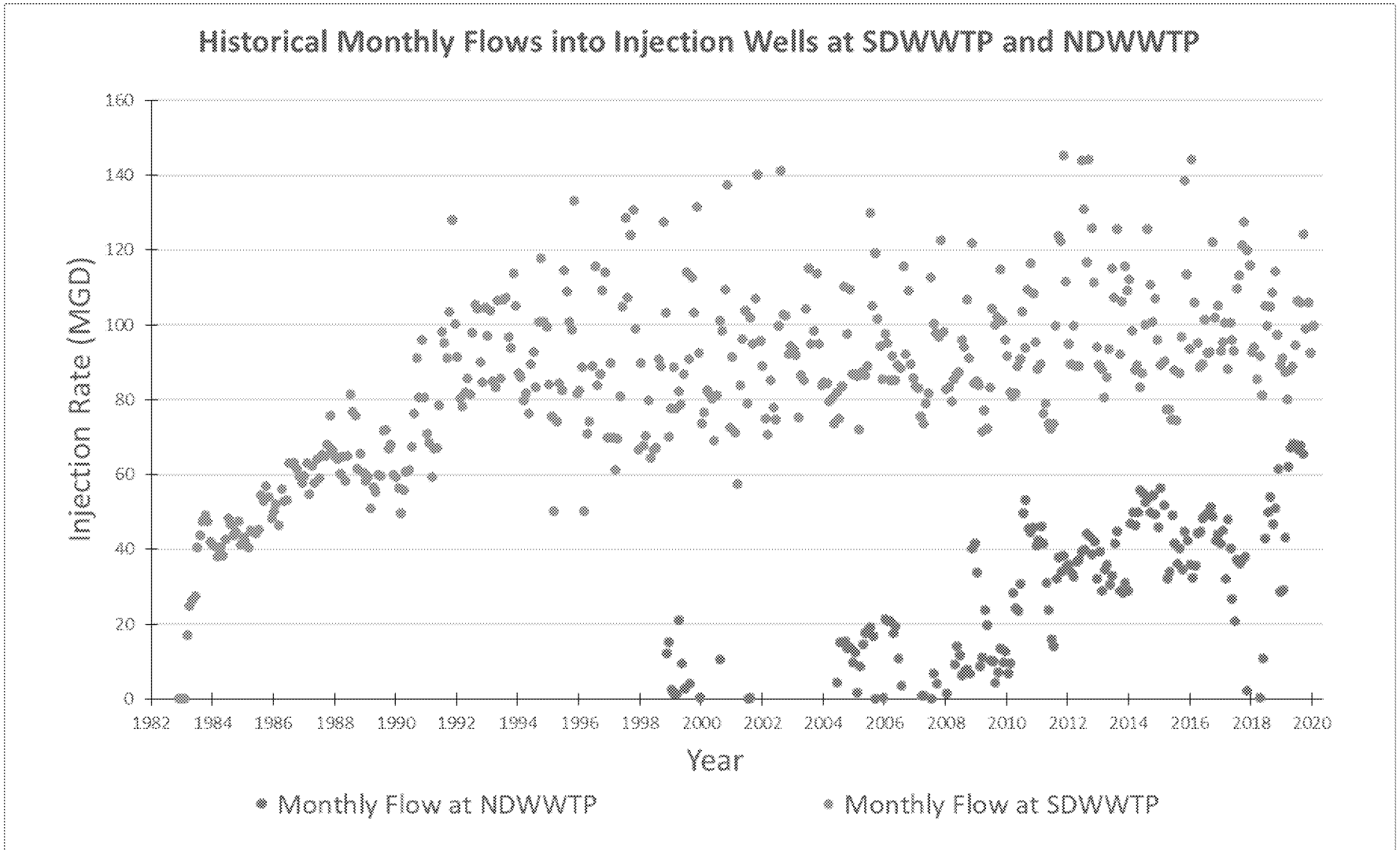

Figure 6. Historical Average Monthly Wastewater Underground Injection Effluent Rates at NDWWPT and SDWWTP

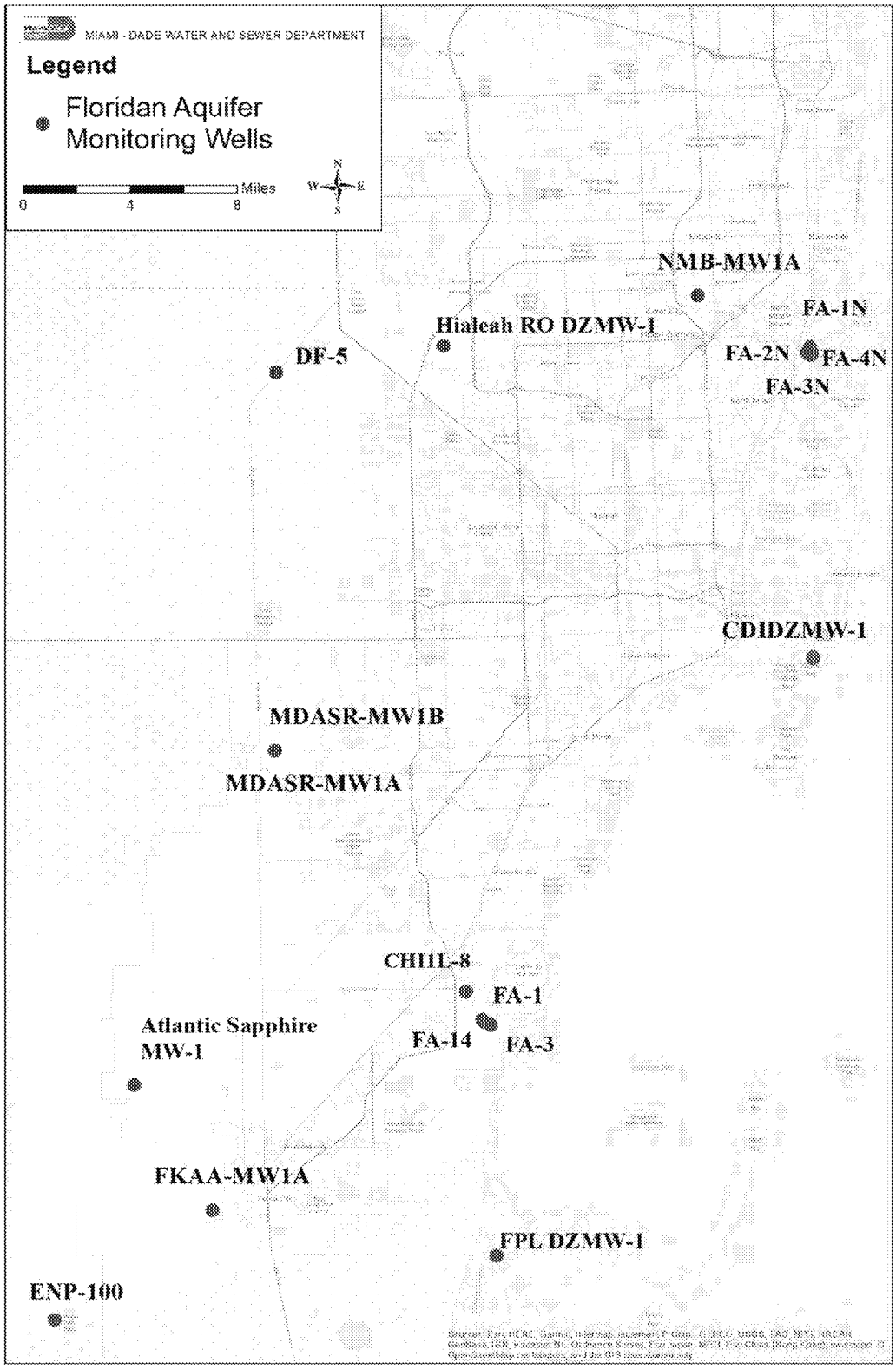

Figure 7. Location of Existing Monitoring Wells in the FAS for TDS, Pressure, and/or for Ammonia (SDWWTP)

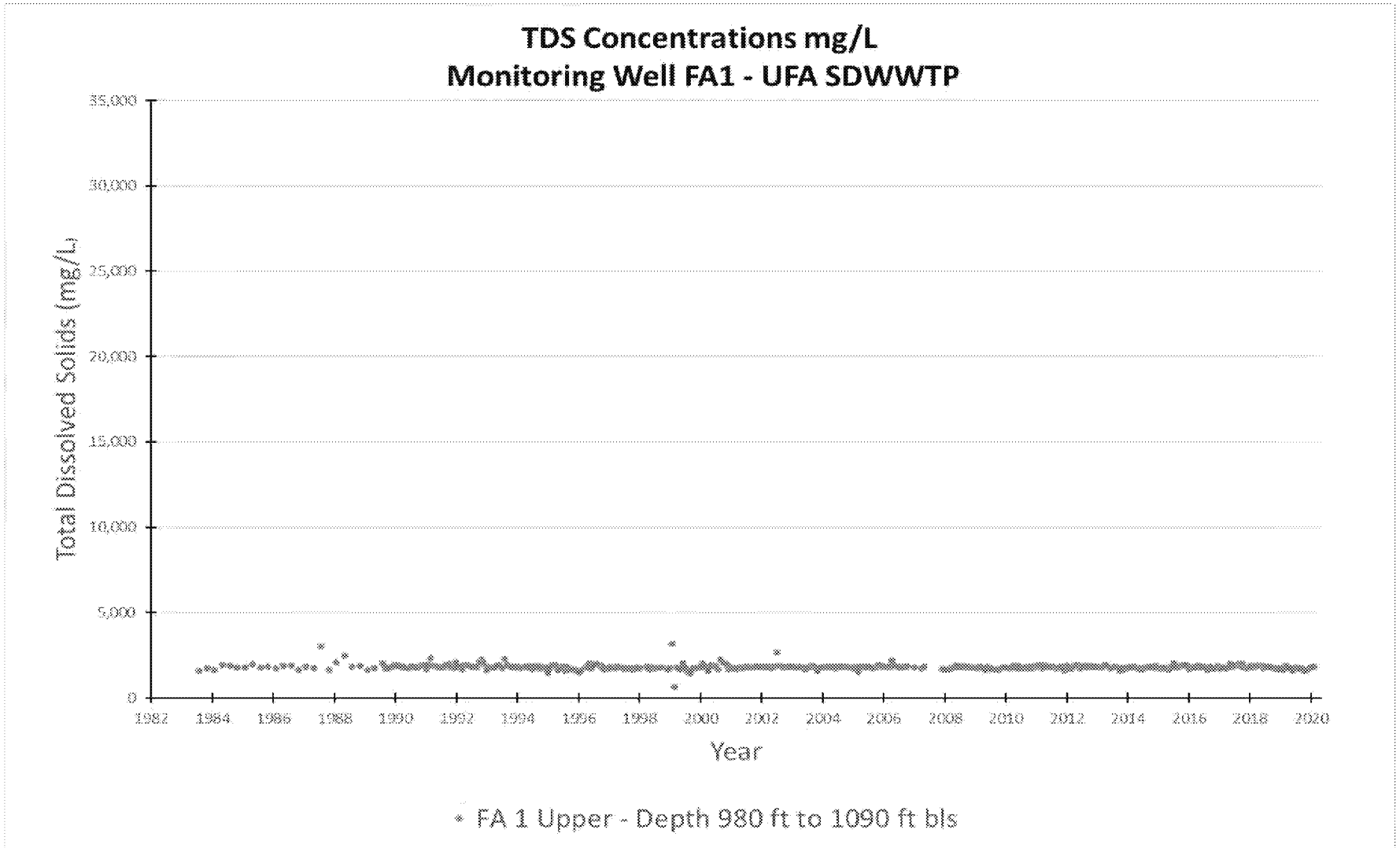

Figure 8. Monitoring Well FA1 at SDWWTP for TDS

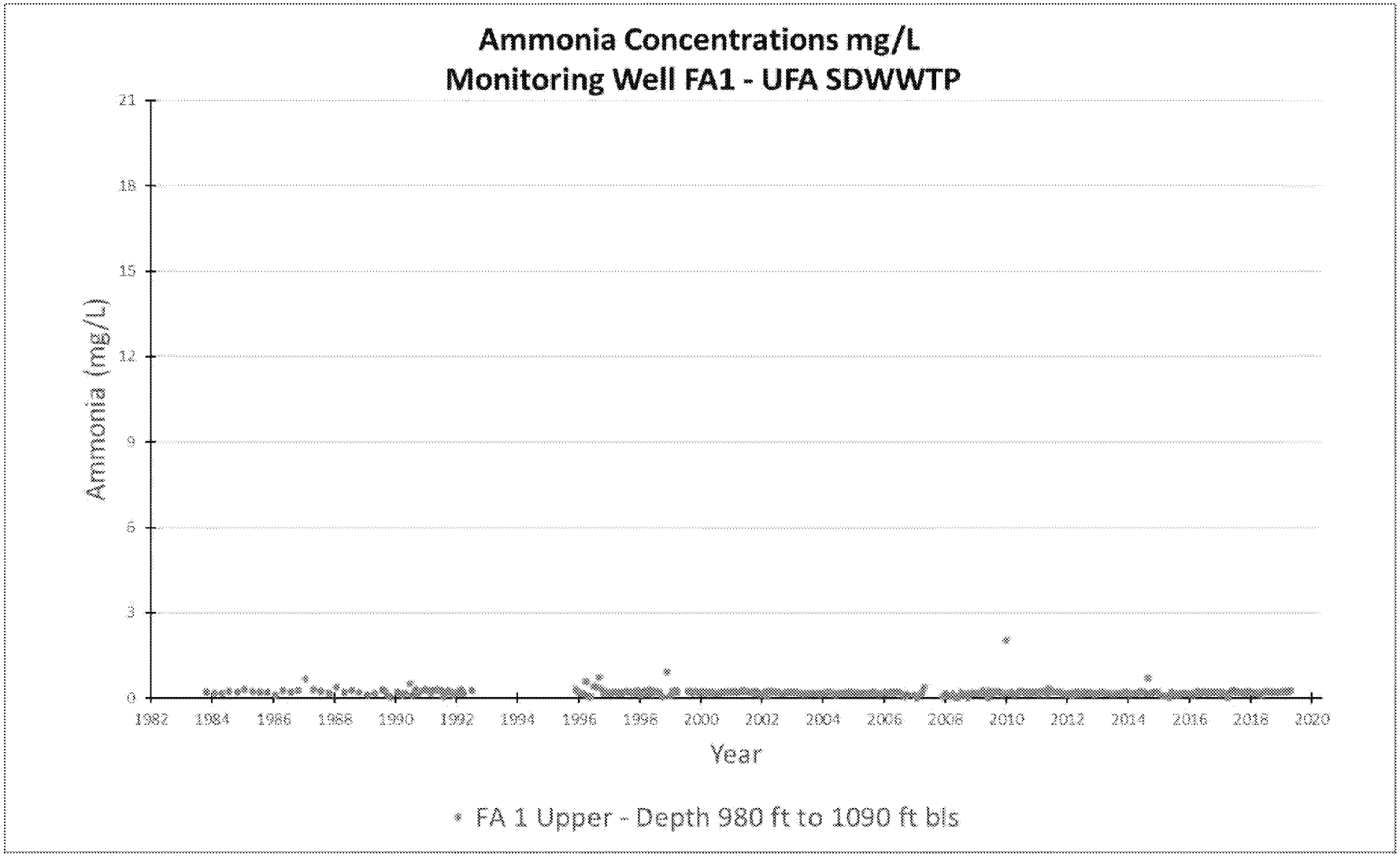

Figure 9. Monitoring Well FA1 at SDWWTP for Ammonia

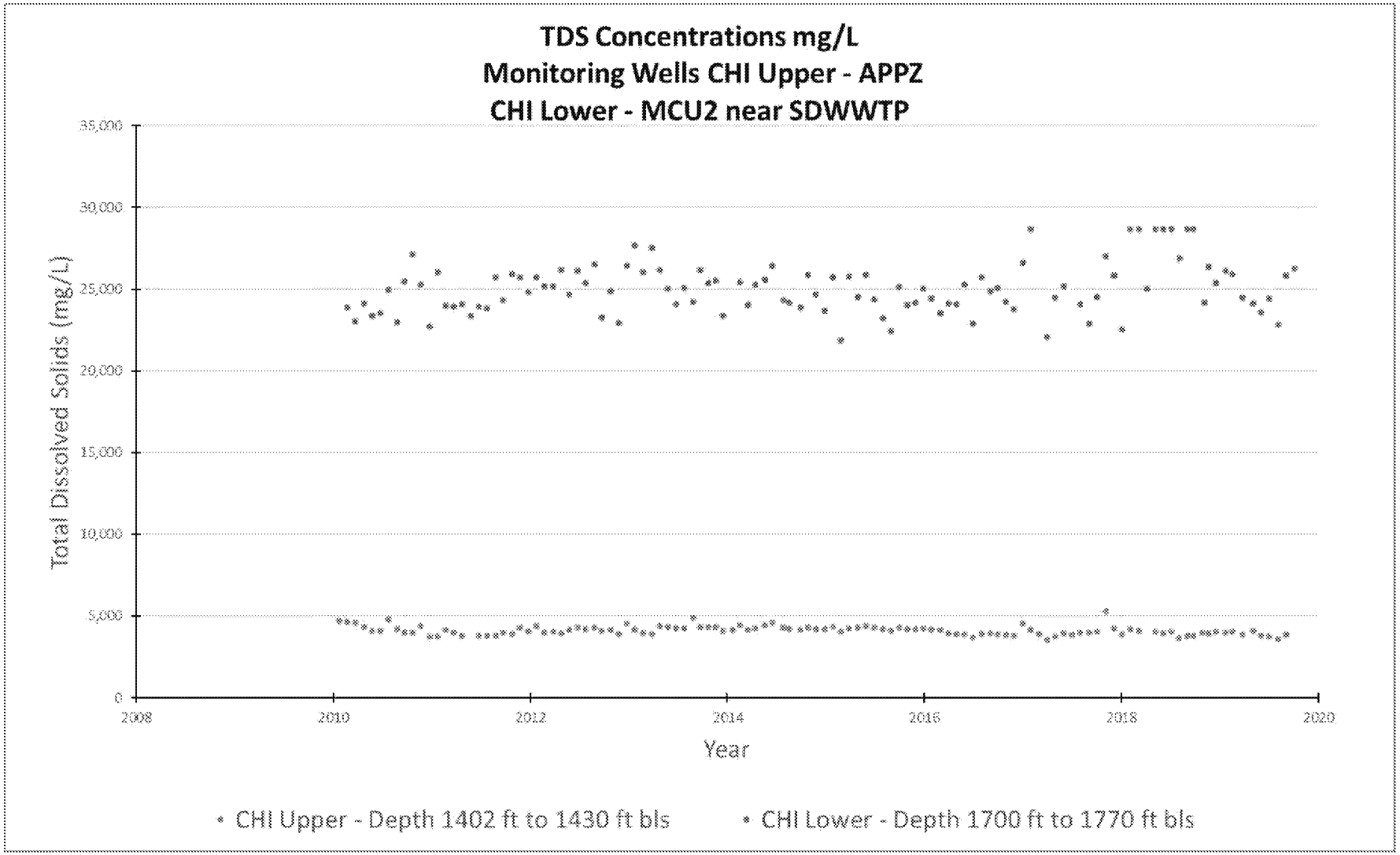

Figure 10. Monitoring Well CHI near SDWWTP for TDS

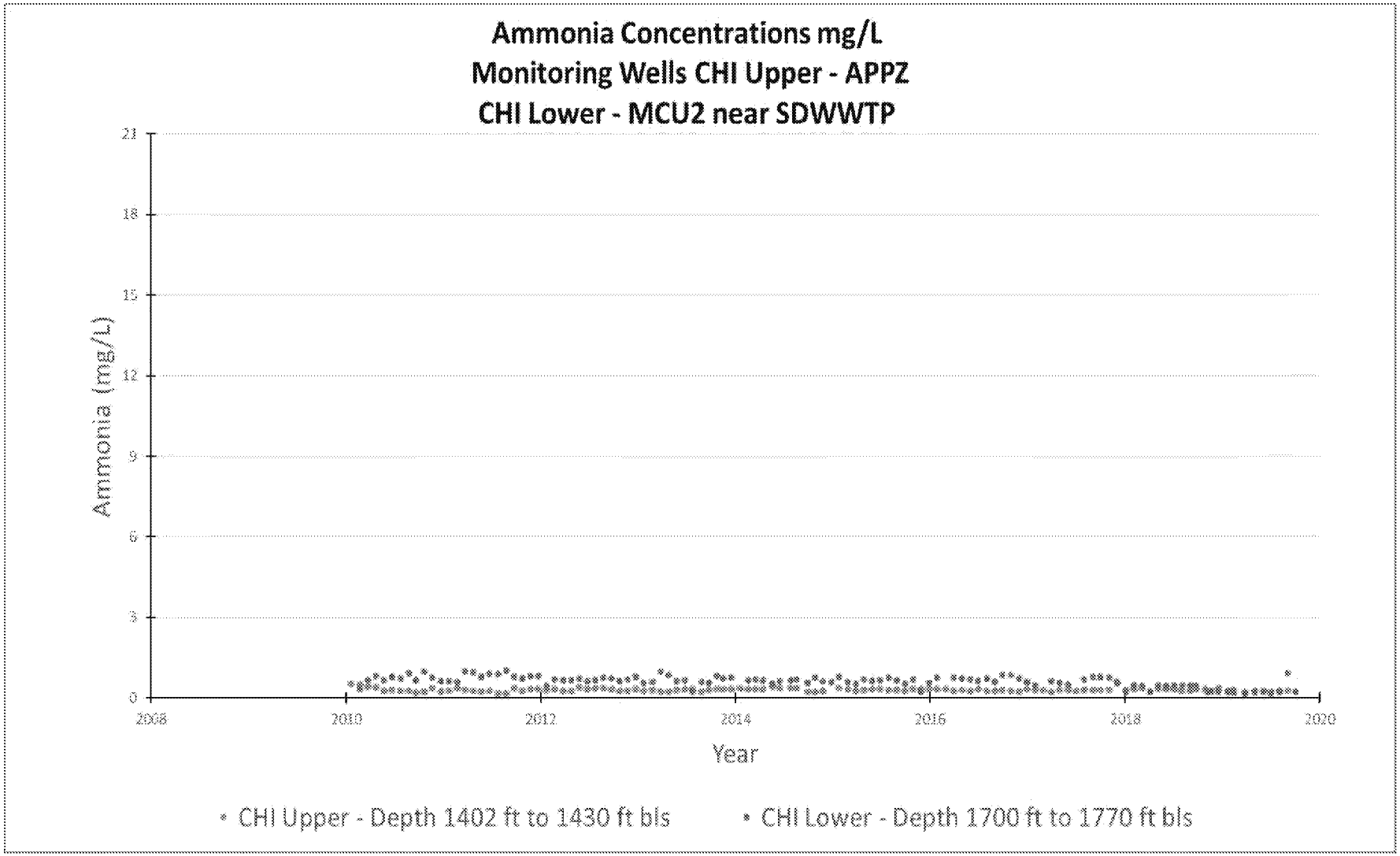

Figure 11. Monitoring Well CHI near SDWWTP for Ammonia

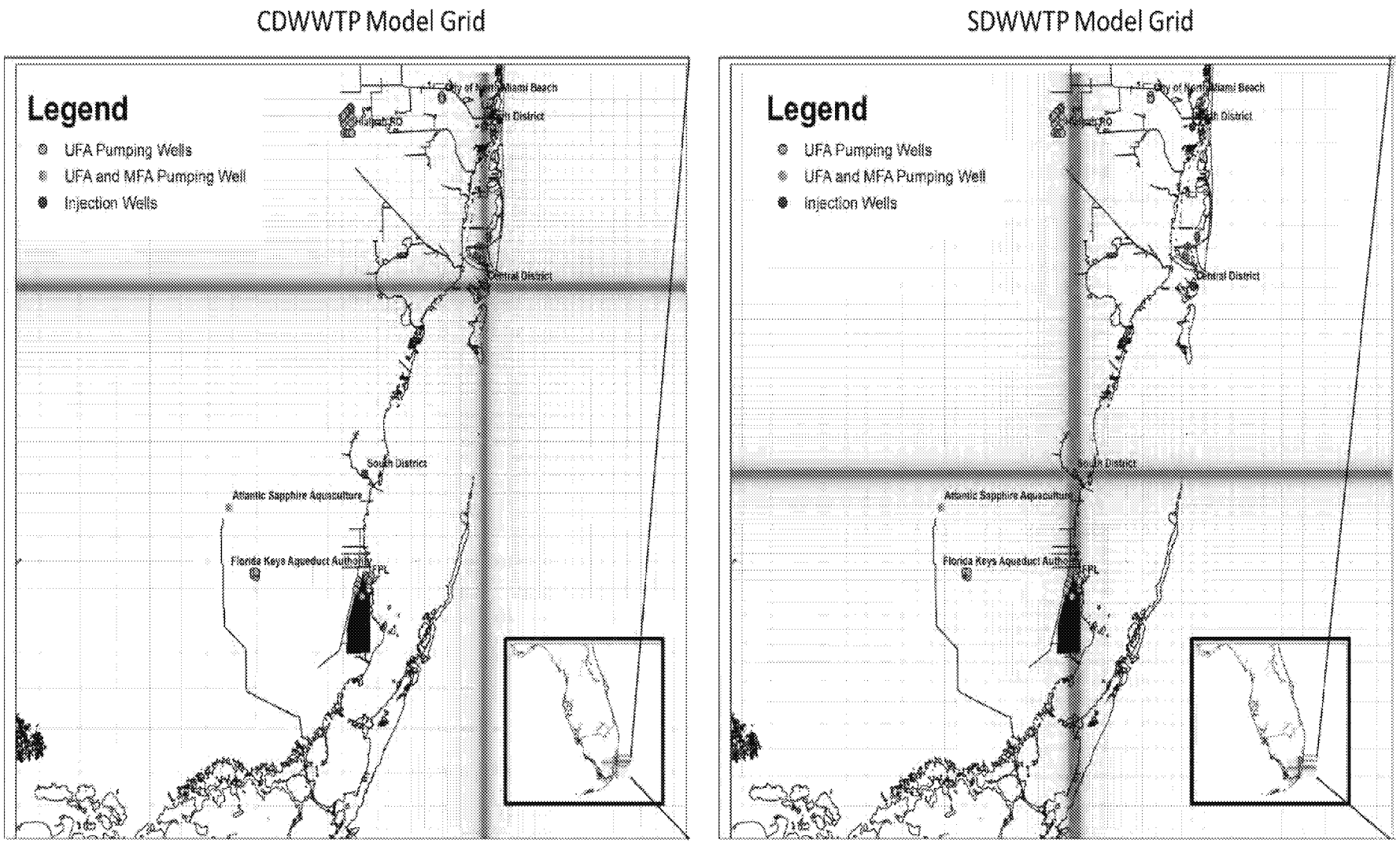

Figure 12. Model Domain and Grid for CDWWTP (On the Left), and SDWWTP Models (On the Right)

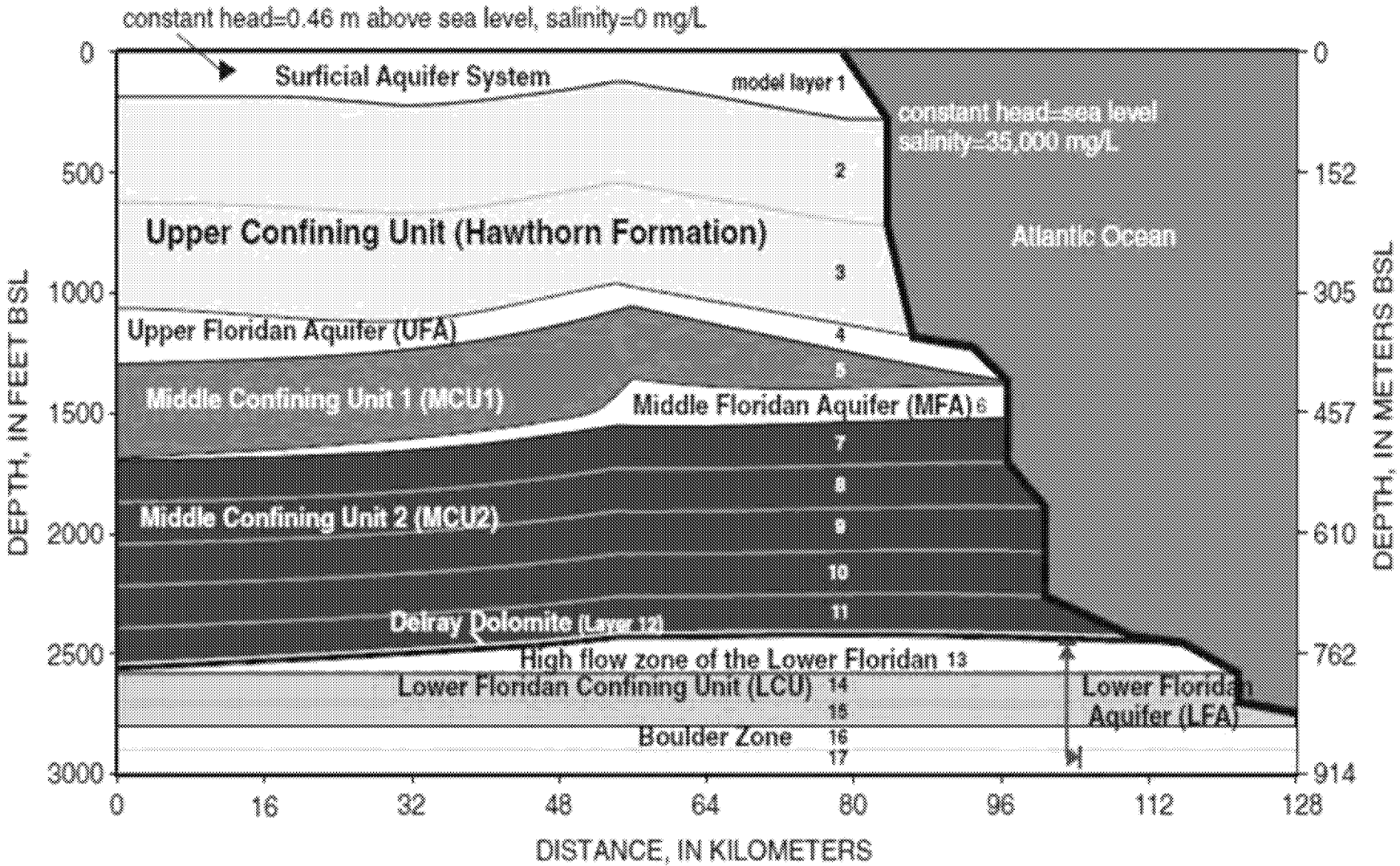

Figure 13. Hydrogeologic Units of the Floridan Aquifer System (Reese and Richardson 2008; McNeill 2002). Model Layers 1–17 is also Shown (from USGS SDWWTP technical report)

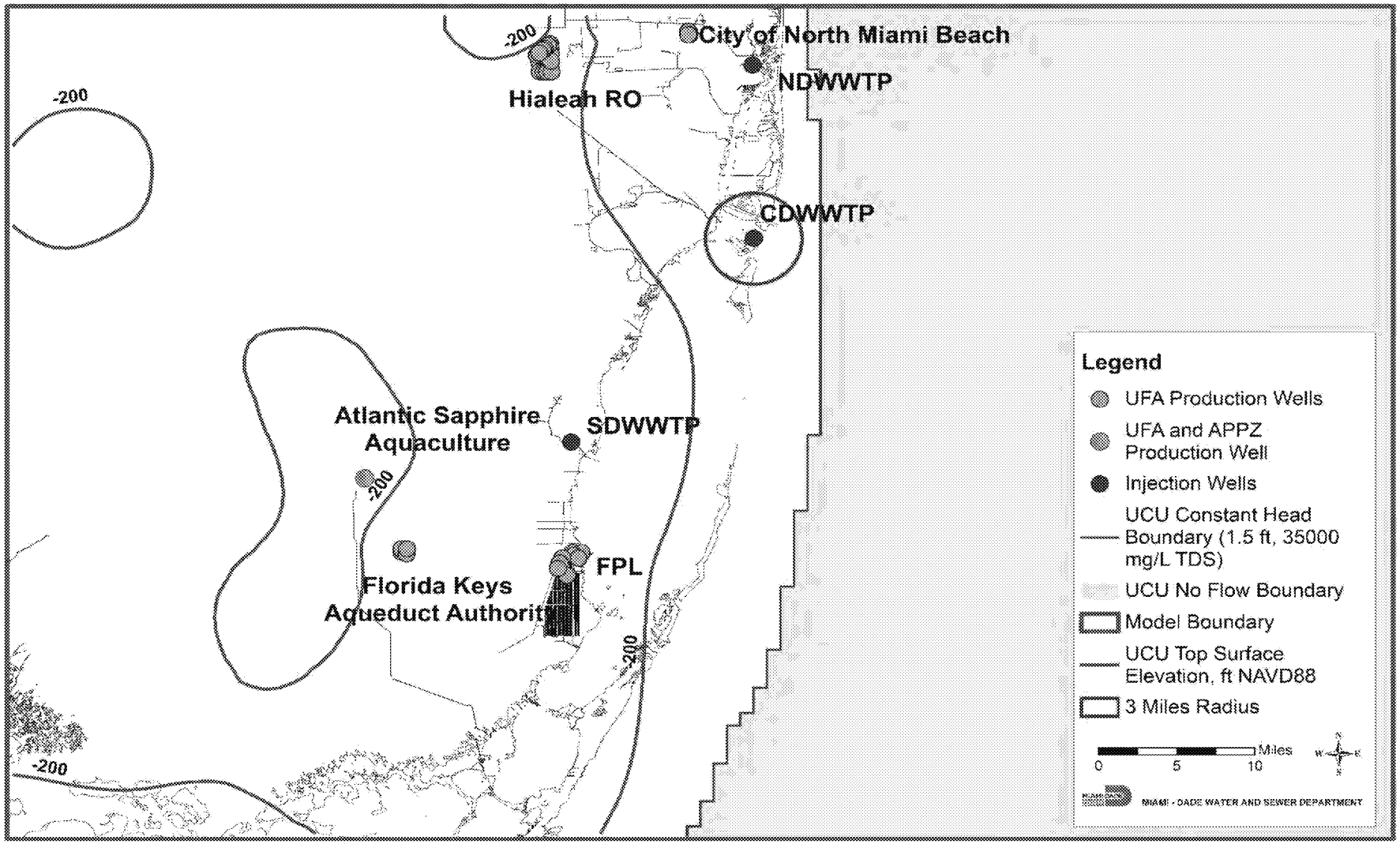

Figure 14a. Upper Confining Unit (Layer 2) Elevation of Top Surface Contours and Boundary Conditions

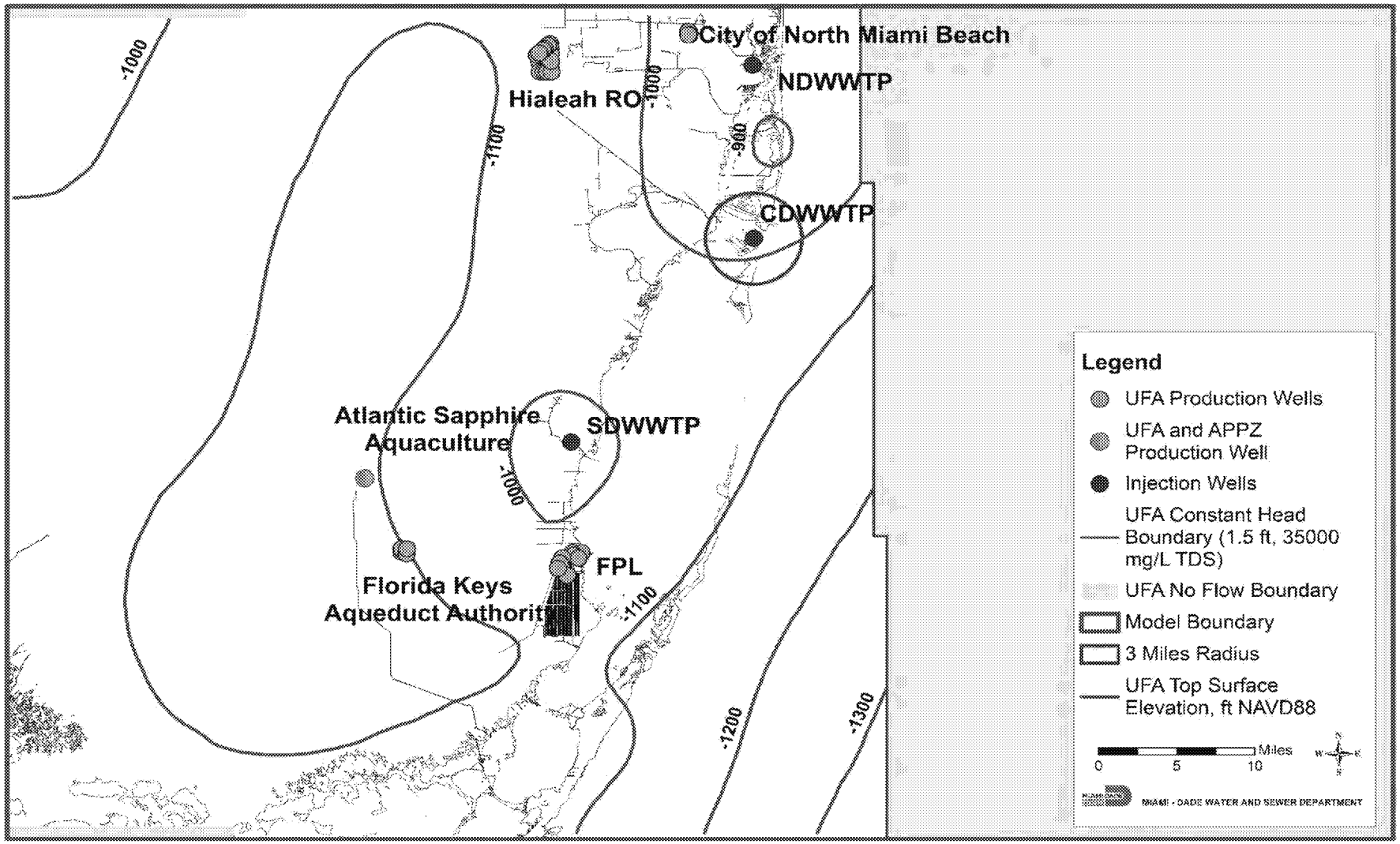

Figure 14b. Upper Floridan Aquifer (Layer 4) Elevation of Top Surface Contours and Boundary Conditions

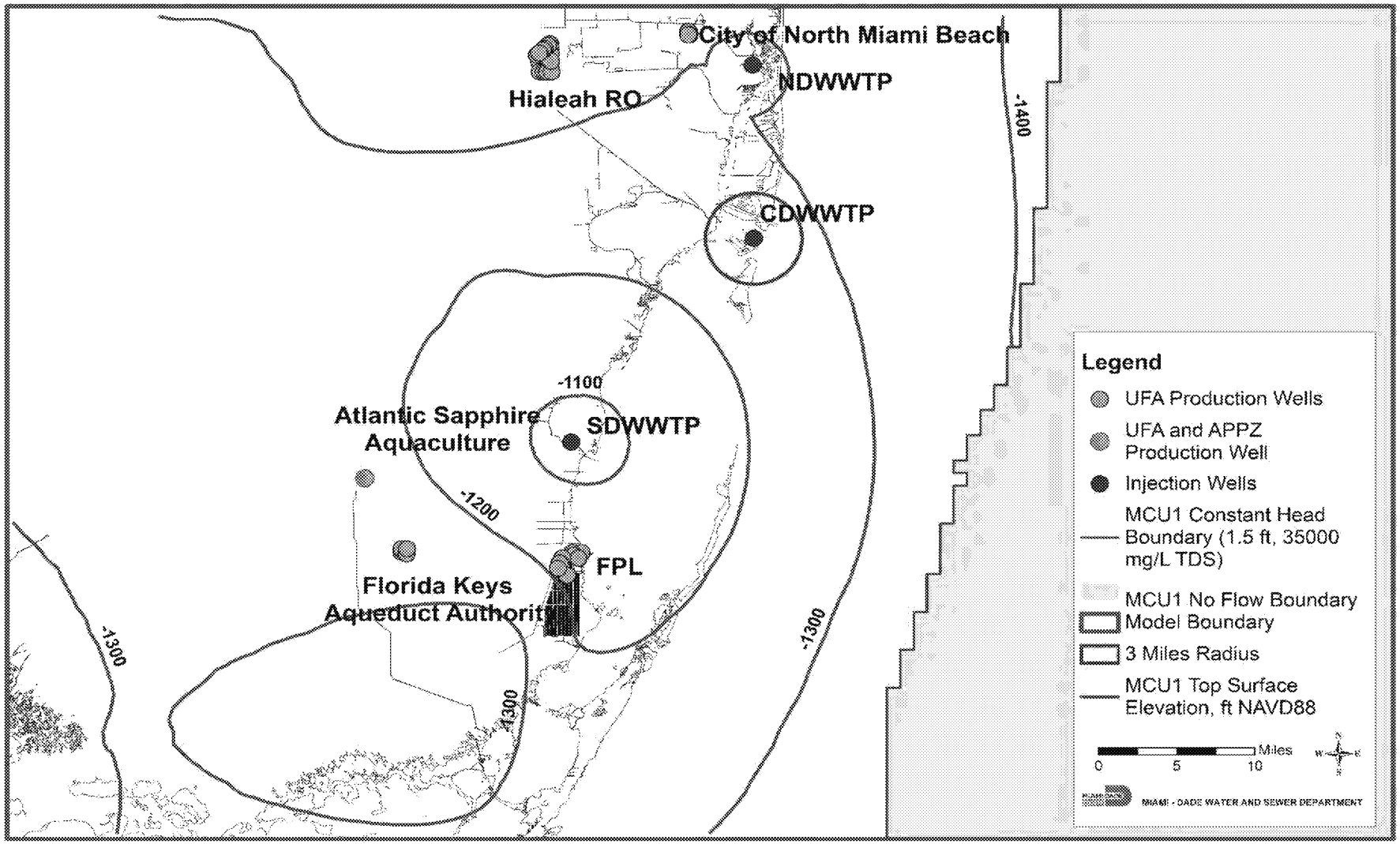

Figure 14c. Middle Confining Unit 1 (Layer 5) Elevation of Top Surface Contours and Boundary Conditions

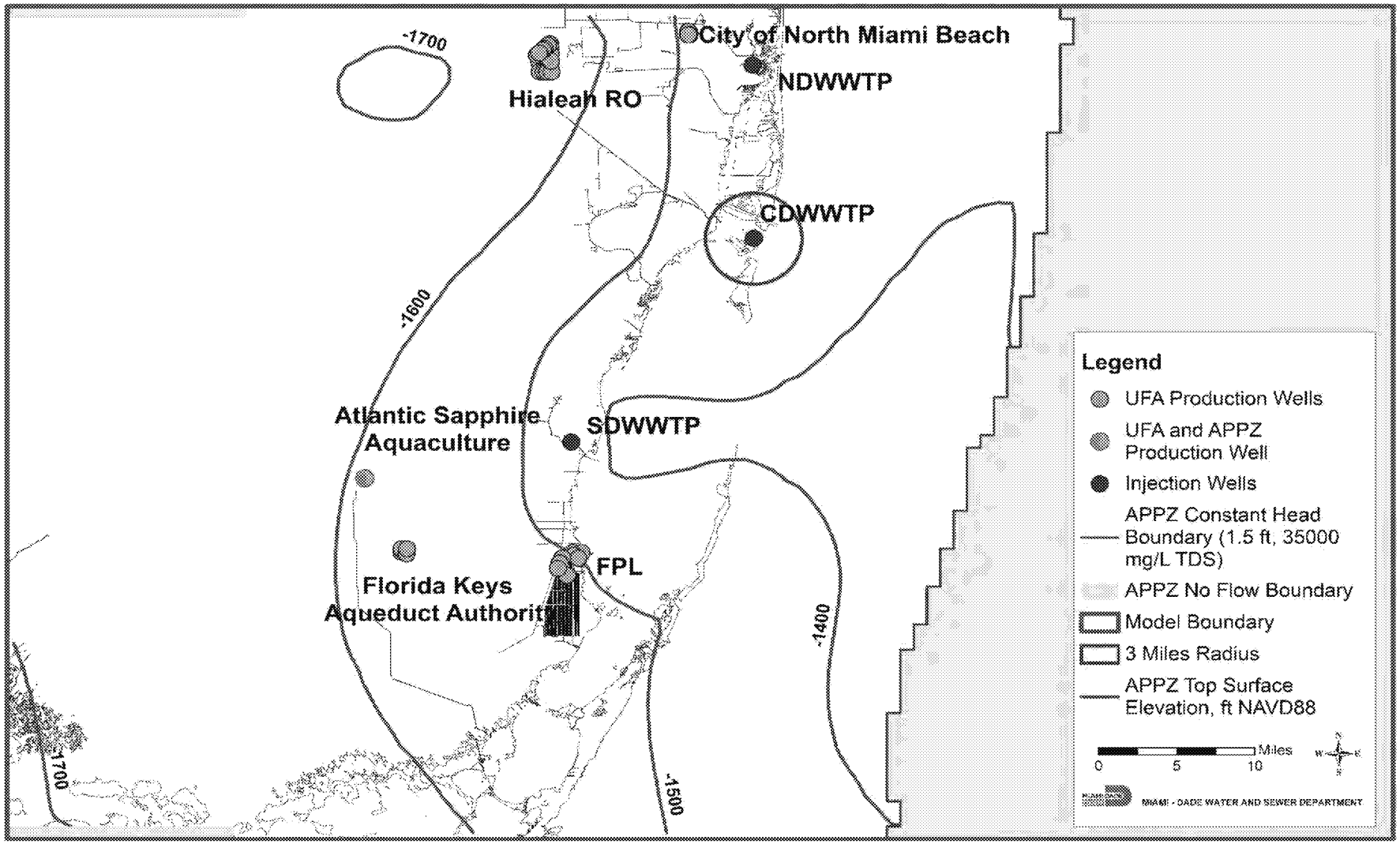

Figure 14d. Avon Park Permeable Zone (Layer 6) Elevation of Top Surface Contours and Boundary Conditions

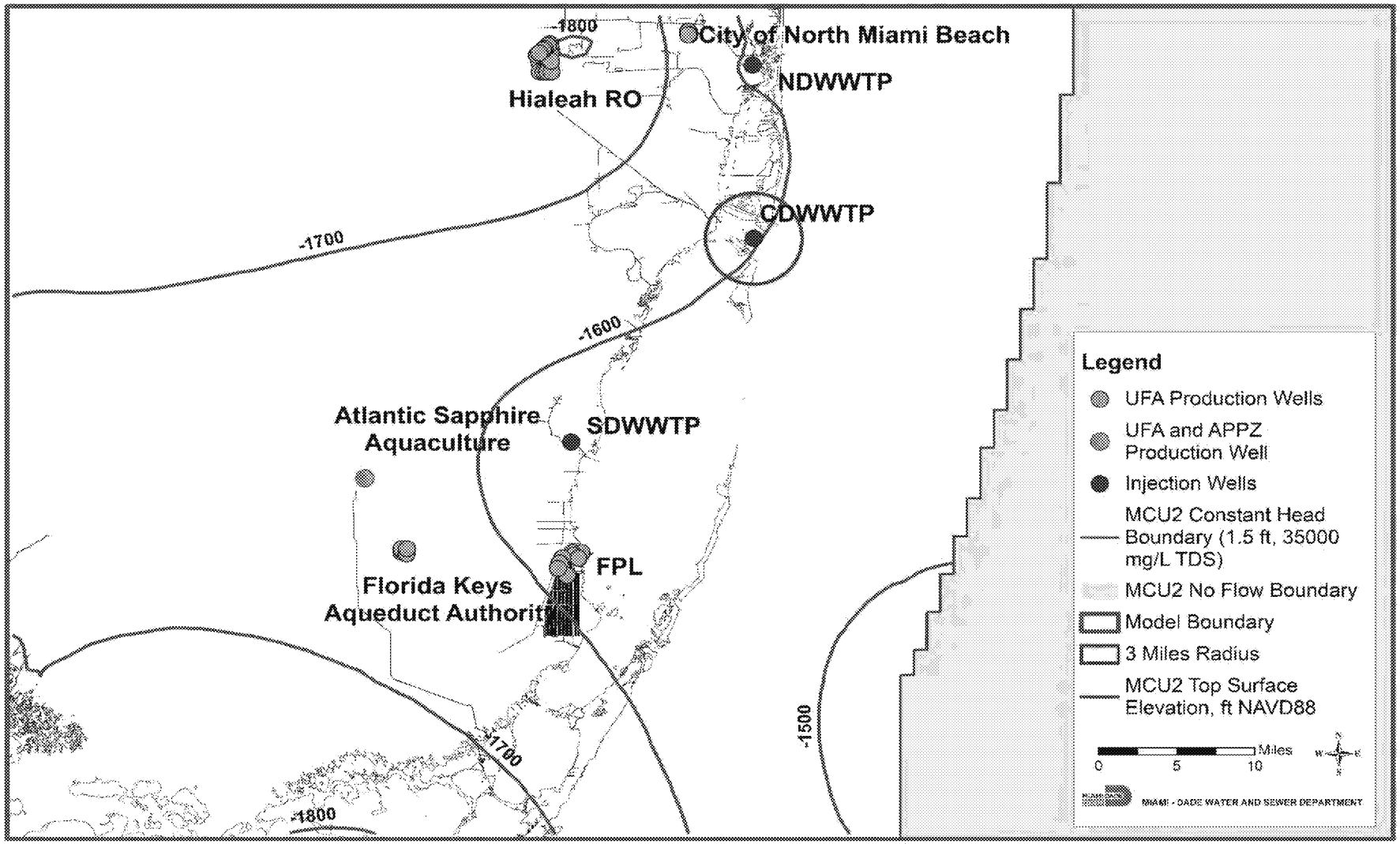

Figure 14e. Middle Confining Unit 2 (Layer 7) Elevation of Top Surface Contours and Boundary Conditions

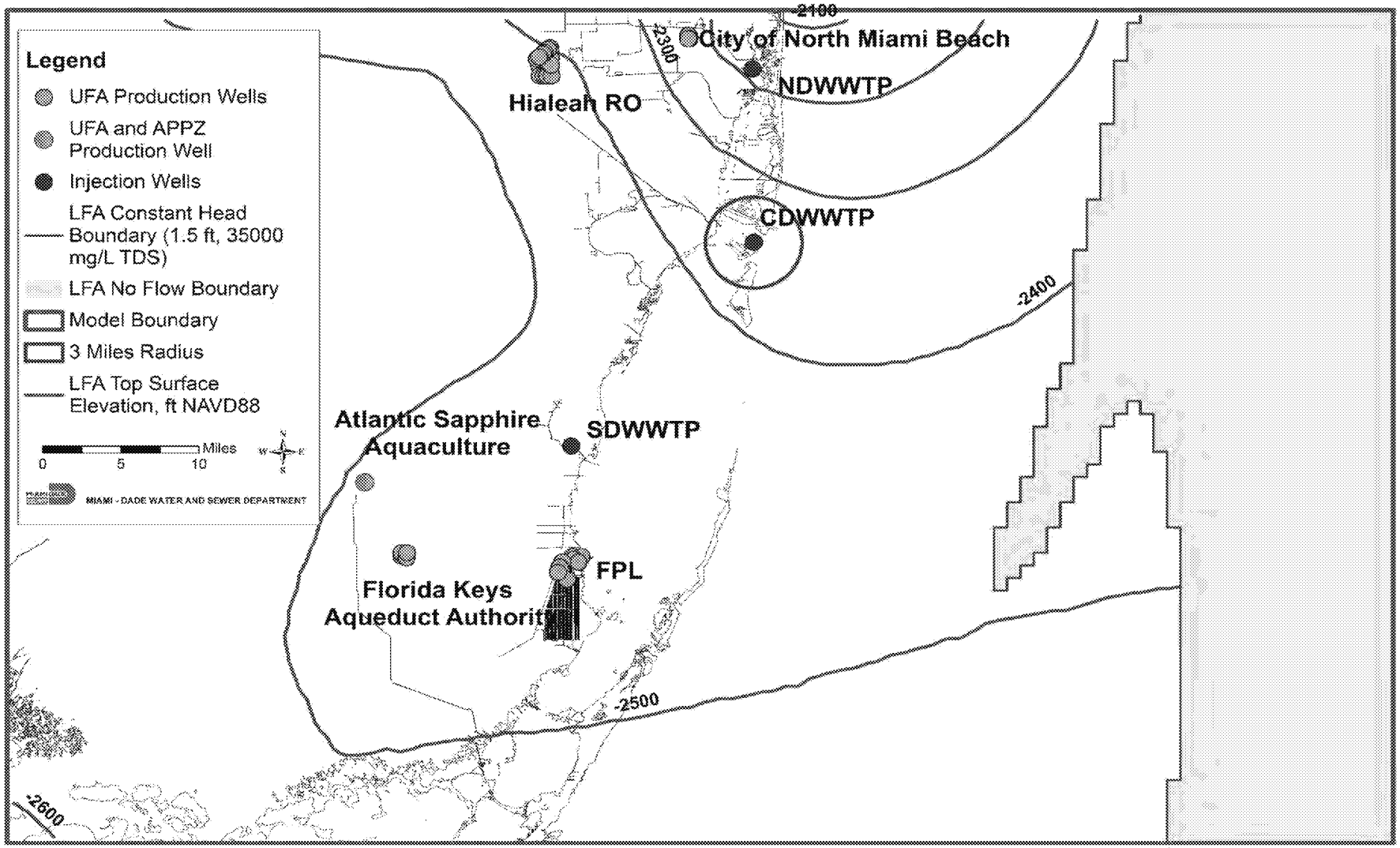

Figure 14f. Lower Floridan Aquifer (Layer 13) Elevation of Top Surface Contours and Boundary Conditions

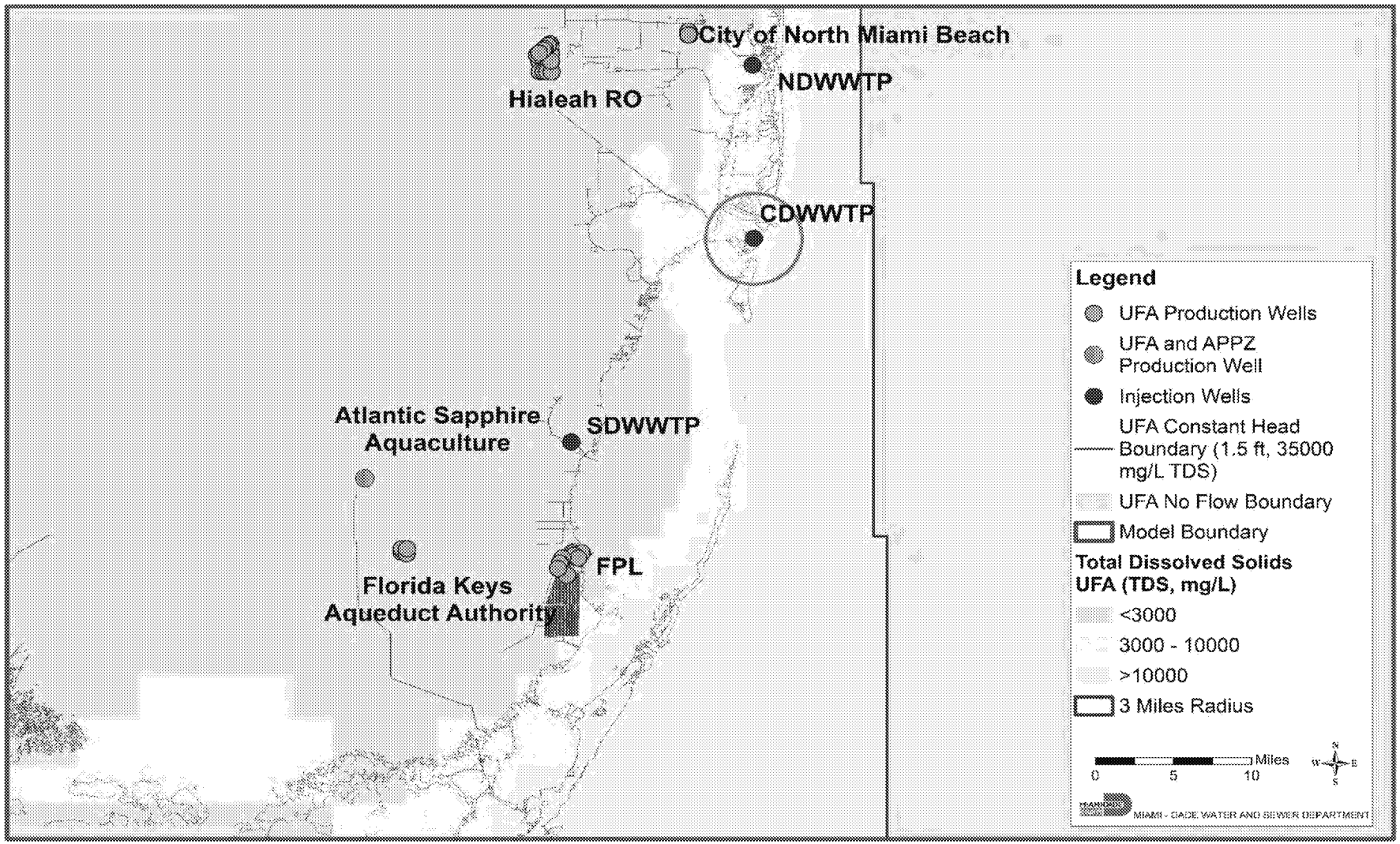

Figure 15. Initial TDS Conditions in the Upper Floridan Aquifer (Layer 4)

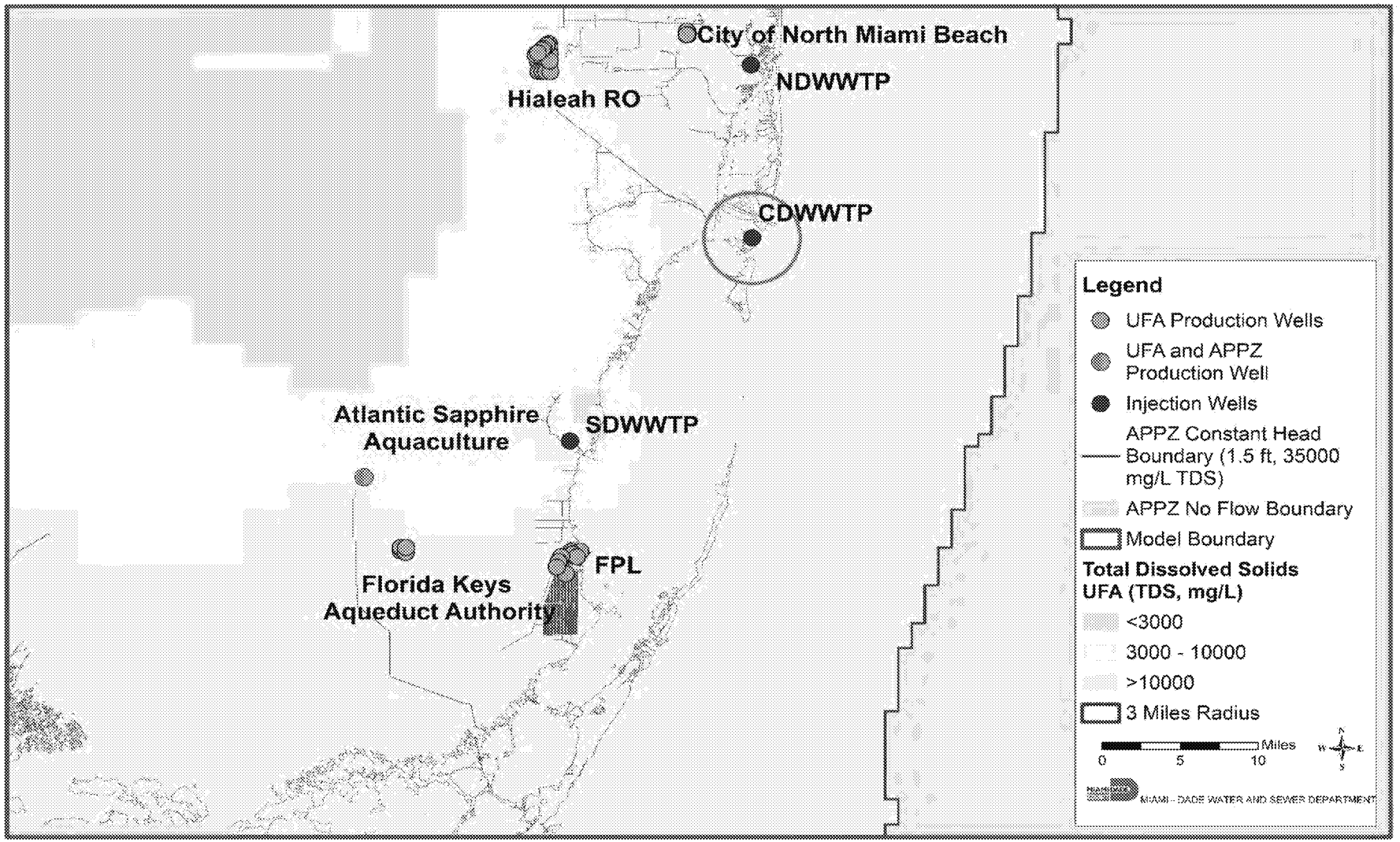

Figure 16. Initial TDS Conditions in the Avon Park Permeable Zone (Layer 6)

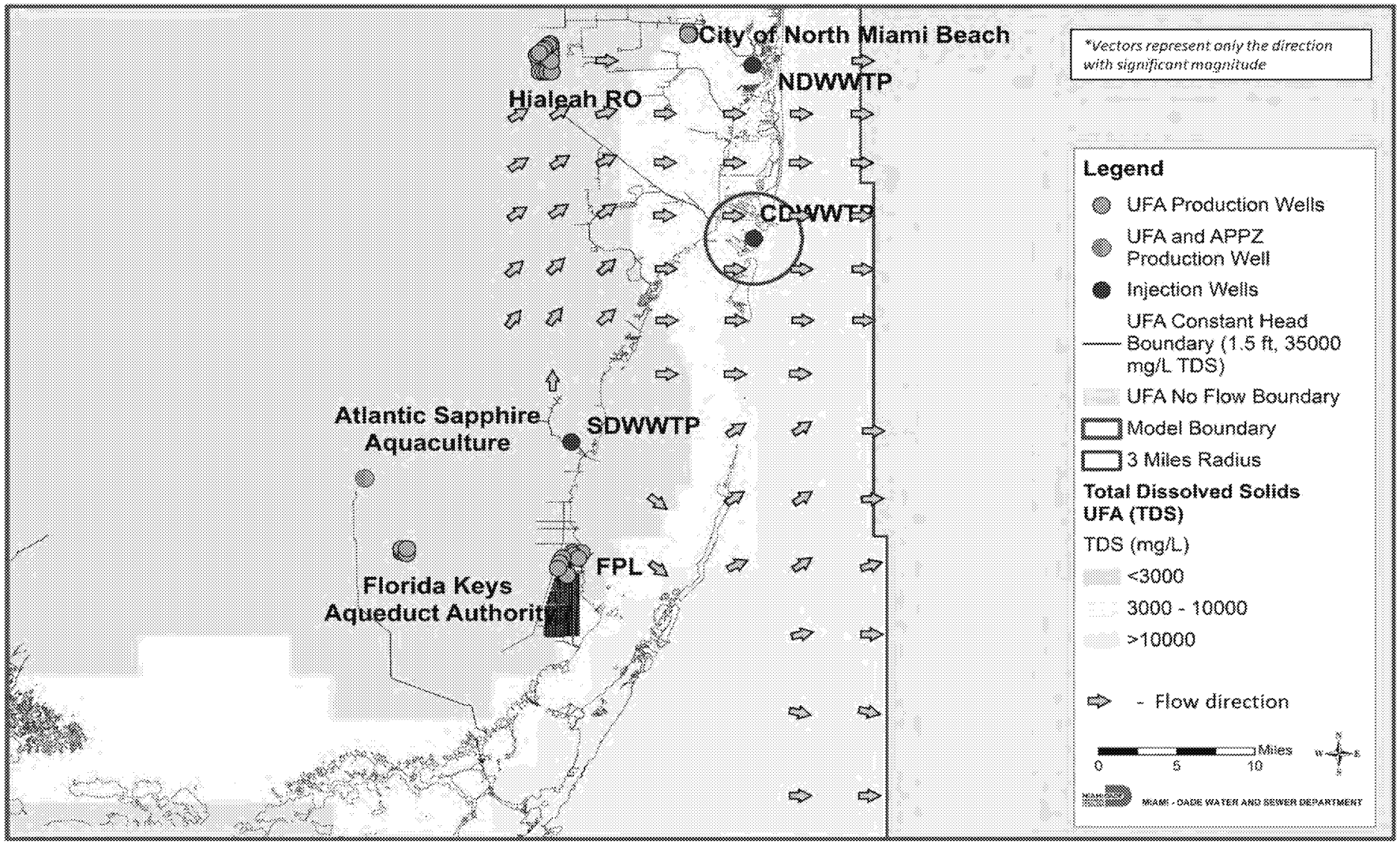

Figure 17. 50-year Natural System Scenario (CDWWTP_NSM) Water Quality and Flow Vectors in the Upper Floridan Aquifer (Layer 4)

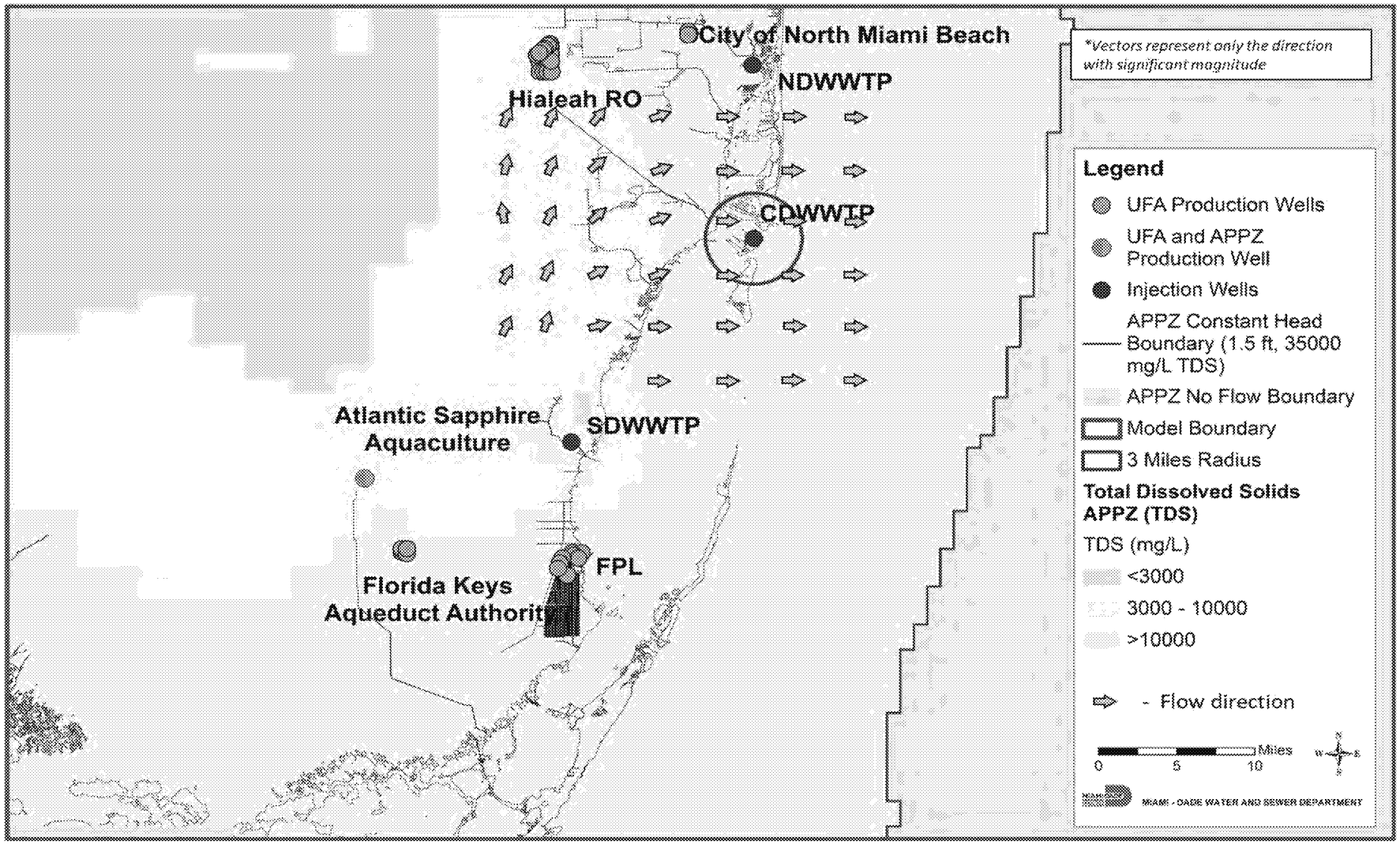

Figure 18. 50-year Natural System Scenario (CDWWTP_NSM) Water Quality and Flow Vectors in the Avon Park Permeable Zone (Layer 6)

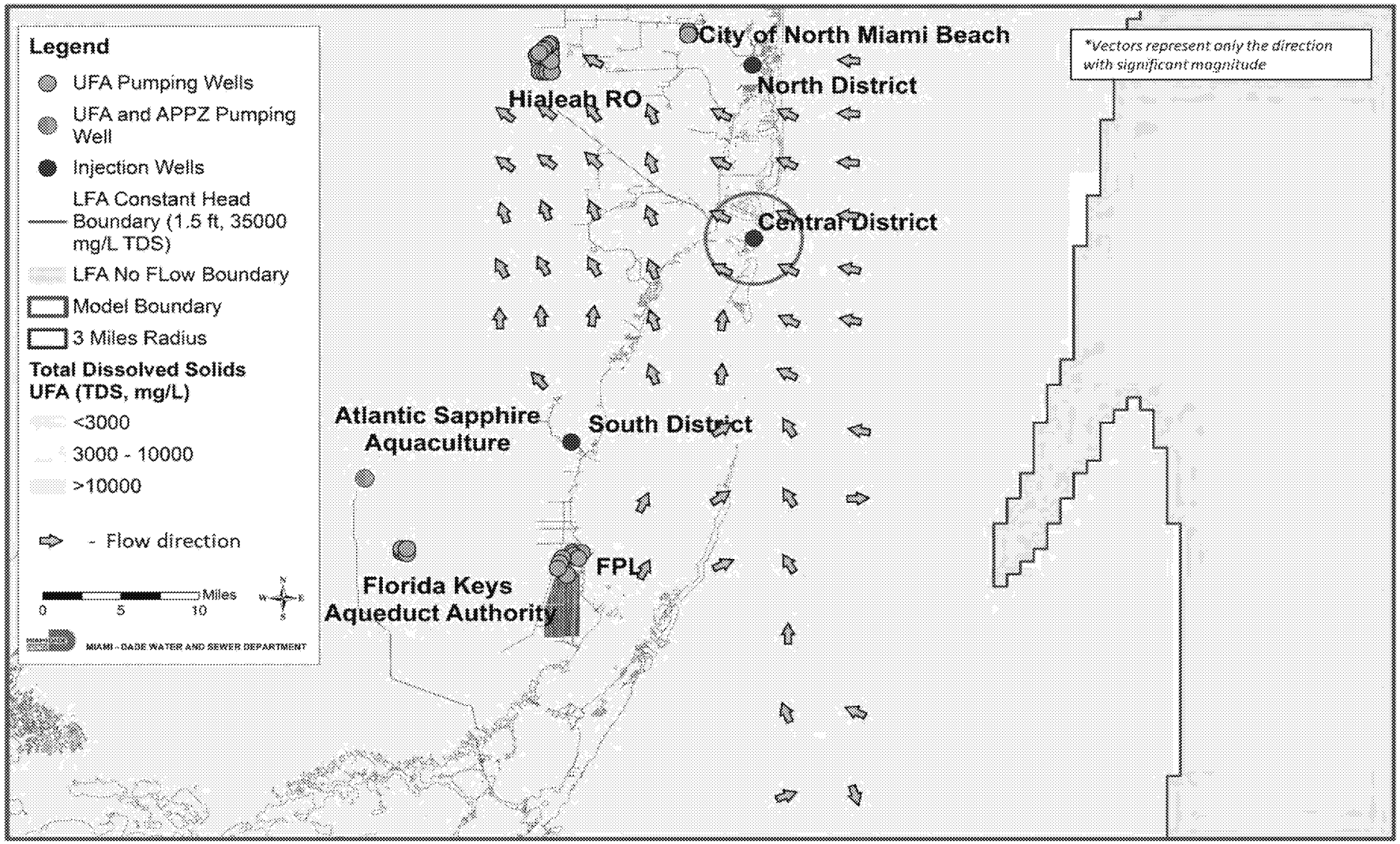

Figure 19. 50-year Natural System Scenario (CDWWTP_NSM) Water Quality and Flow Vectors in the Lower Floridan Aquifer (Layer 13)

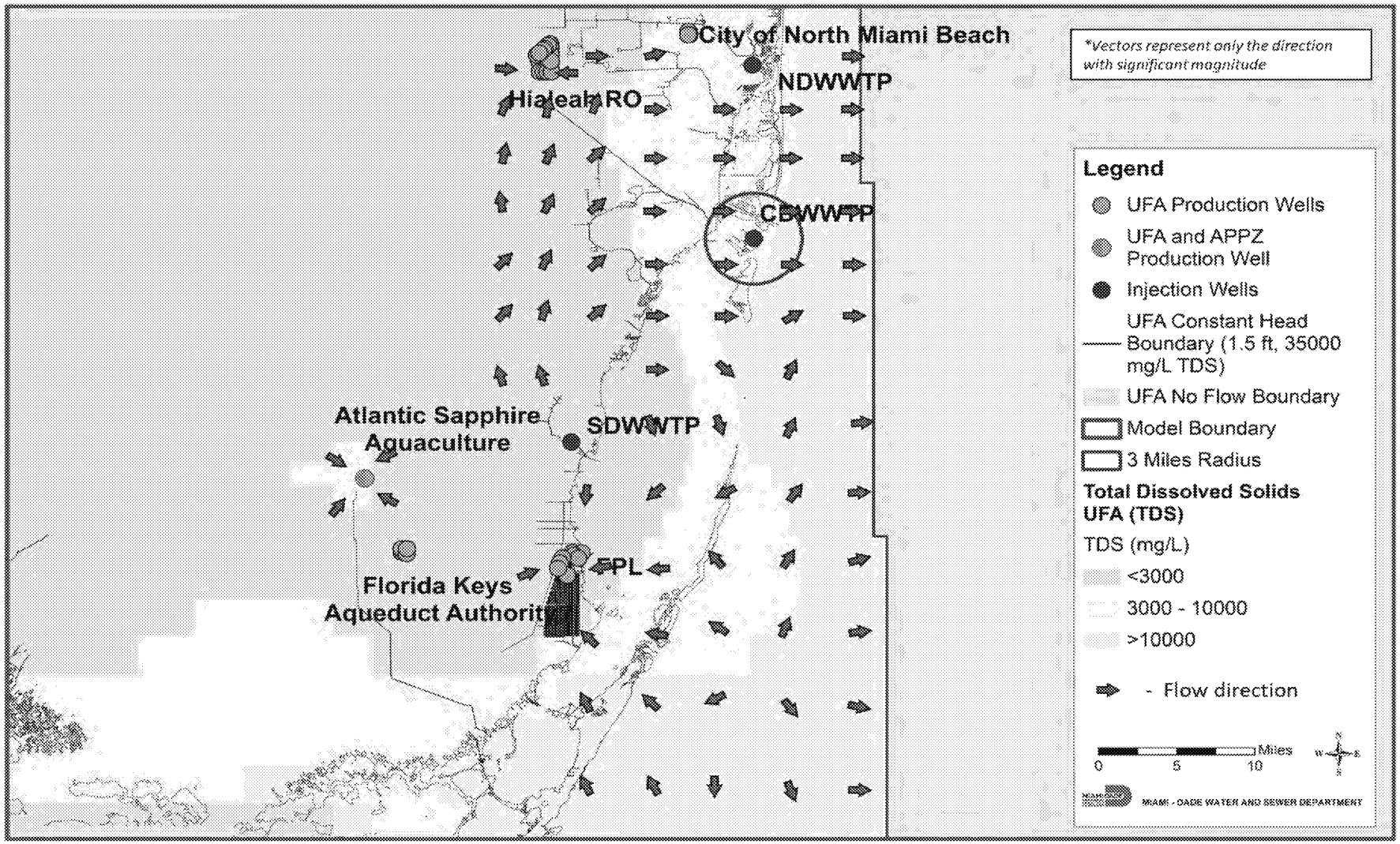

Figure 20. 50-year Water Supply Scenario (CDWWTP_PWS) Water Quality and Flow Vectors in the Upper Floridan Aquifer (Layer 4)

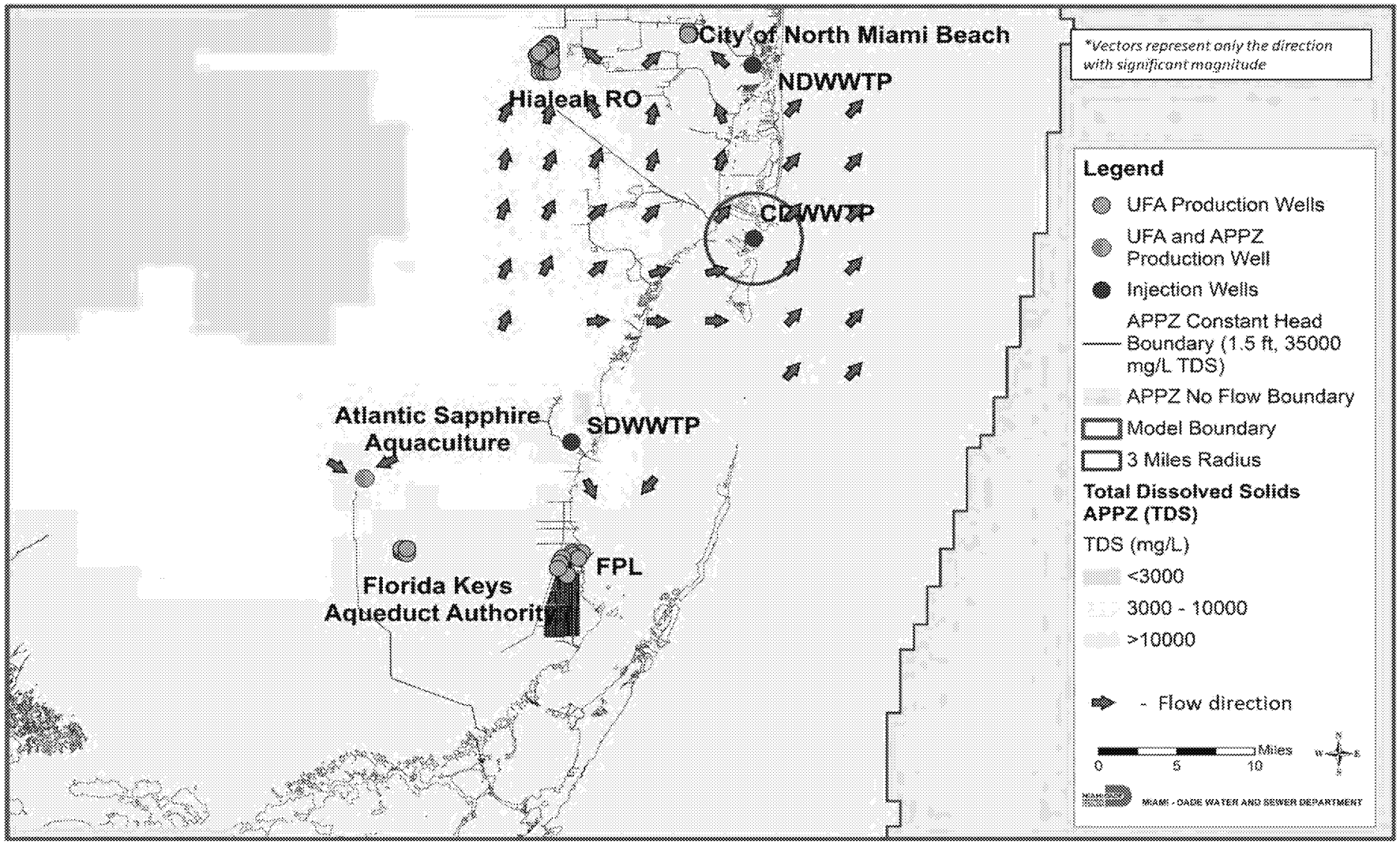

Figure 21. 50-year Water Supply Scenario (CDWWTP_PWS) Water Quality and Flow Vectors in the Avon Park Permeable Zone (Layer 6)

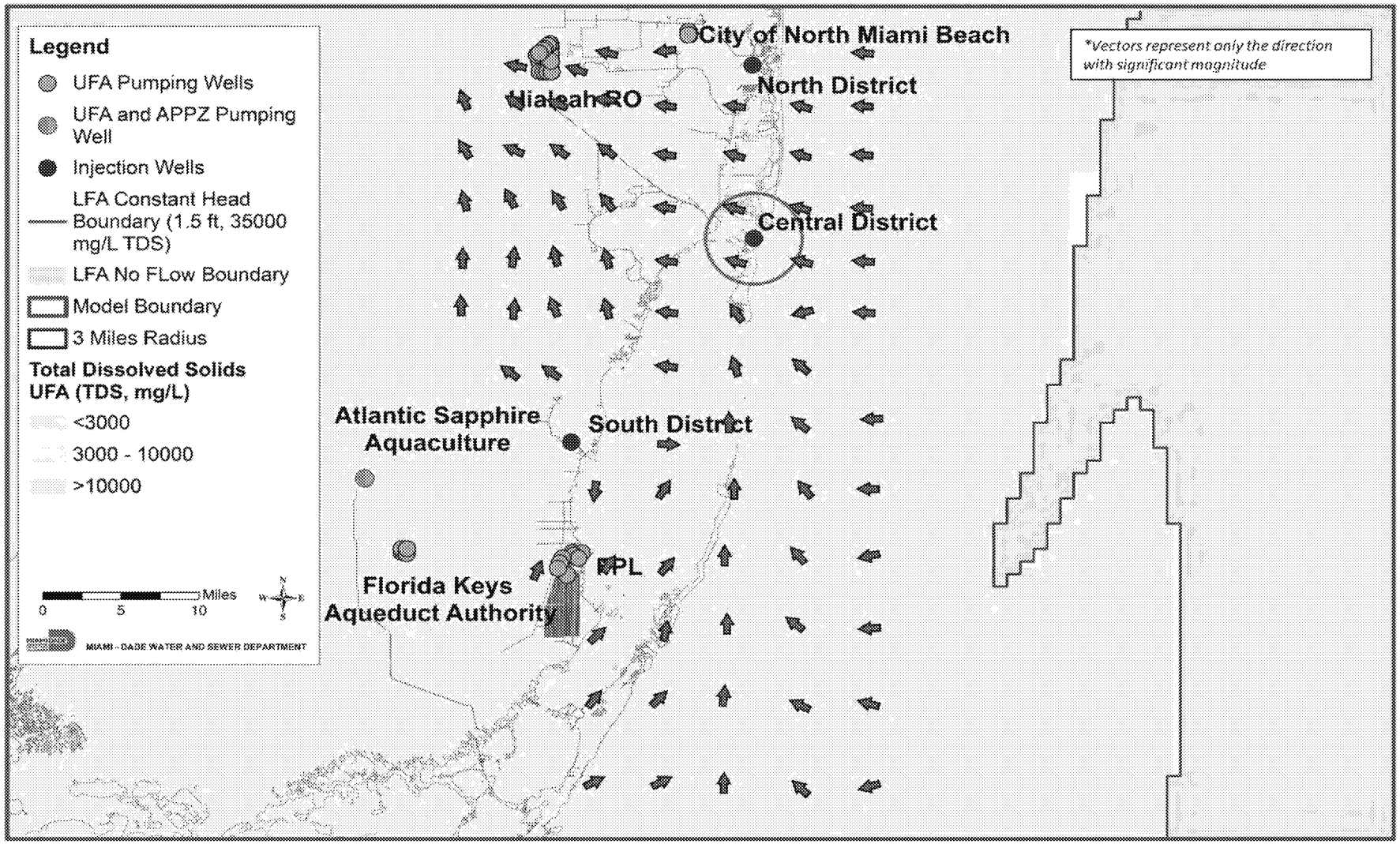

Figure 22. 50-year Water Supply Scenario (CDWWTP_PWS) Water Quality and Flow Vectors in the Lower Floridan Aquifer (Layer 13)

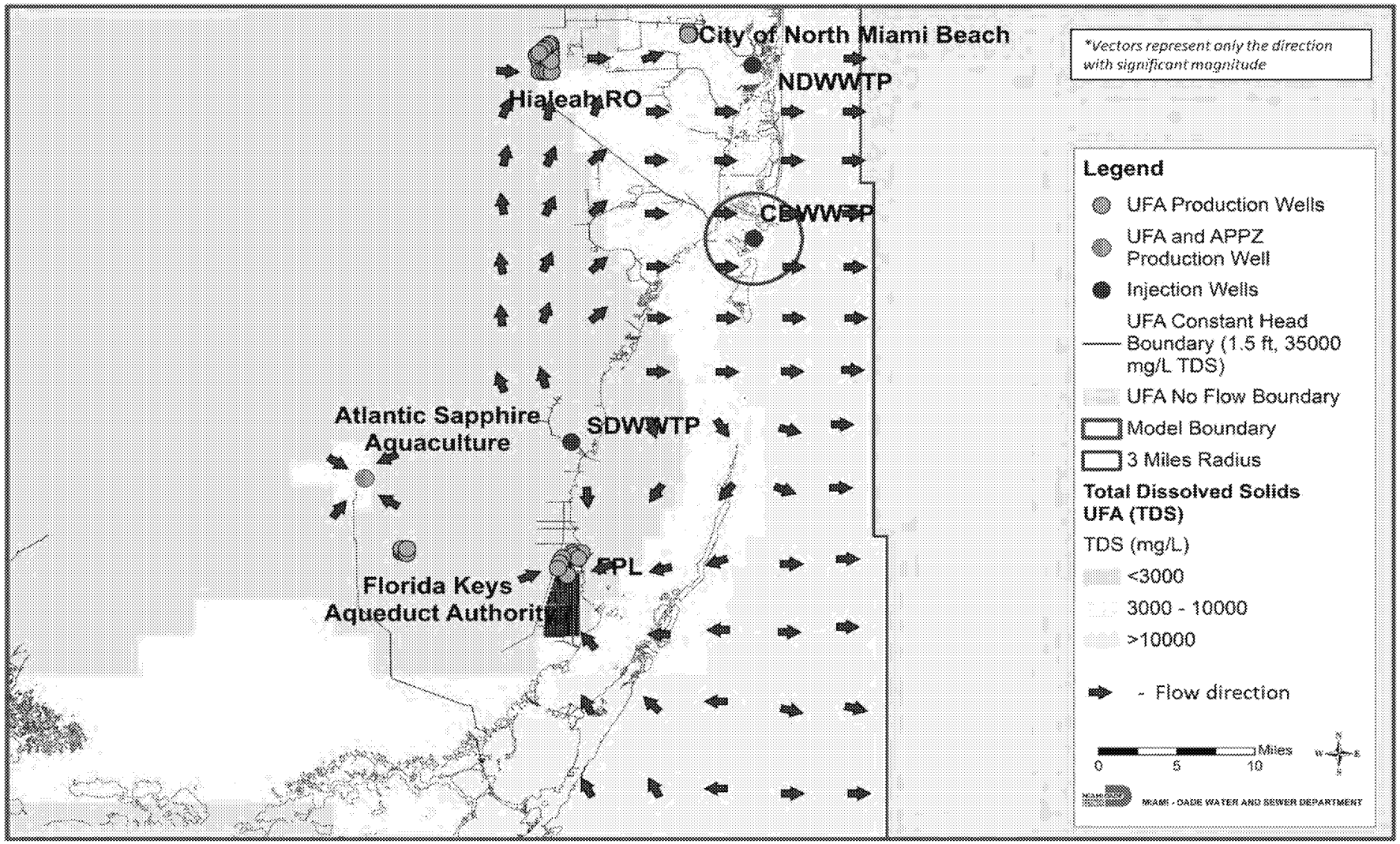

Figure 23. 50-year Water Supply and Wastewater Injection Scenario (CDWWTP_PWS_INJ) Water Quality and Flow Vectors in the Upper Floridan Aquifer (Layer 4)

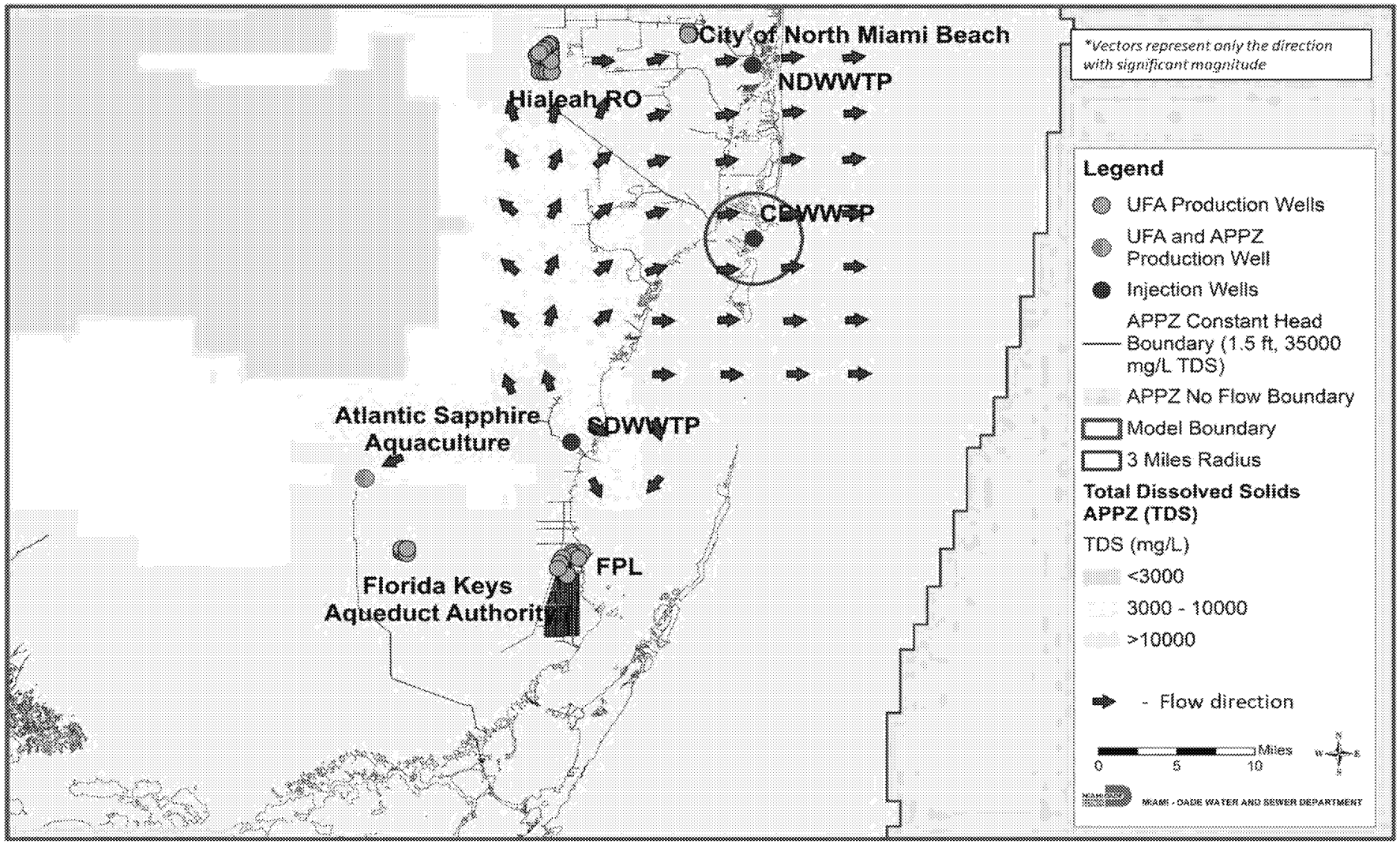

Figure 24. 50-year Water Supply and Wastewater Injection Scenario (CDWWTP_PWS_INJ) in the Avon Park Permeable Zone (Layer 6)

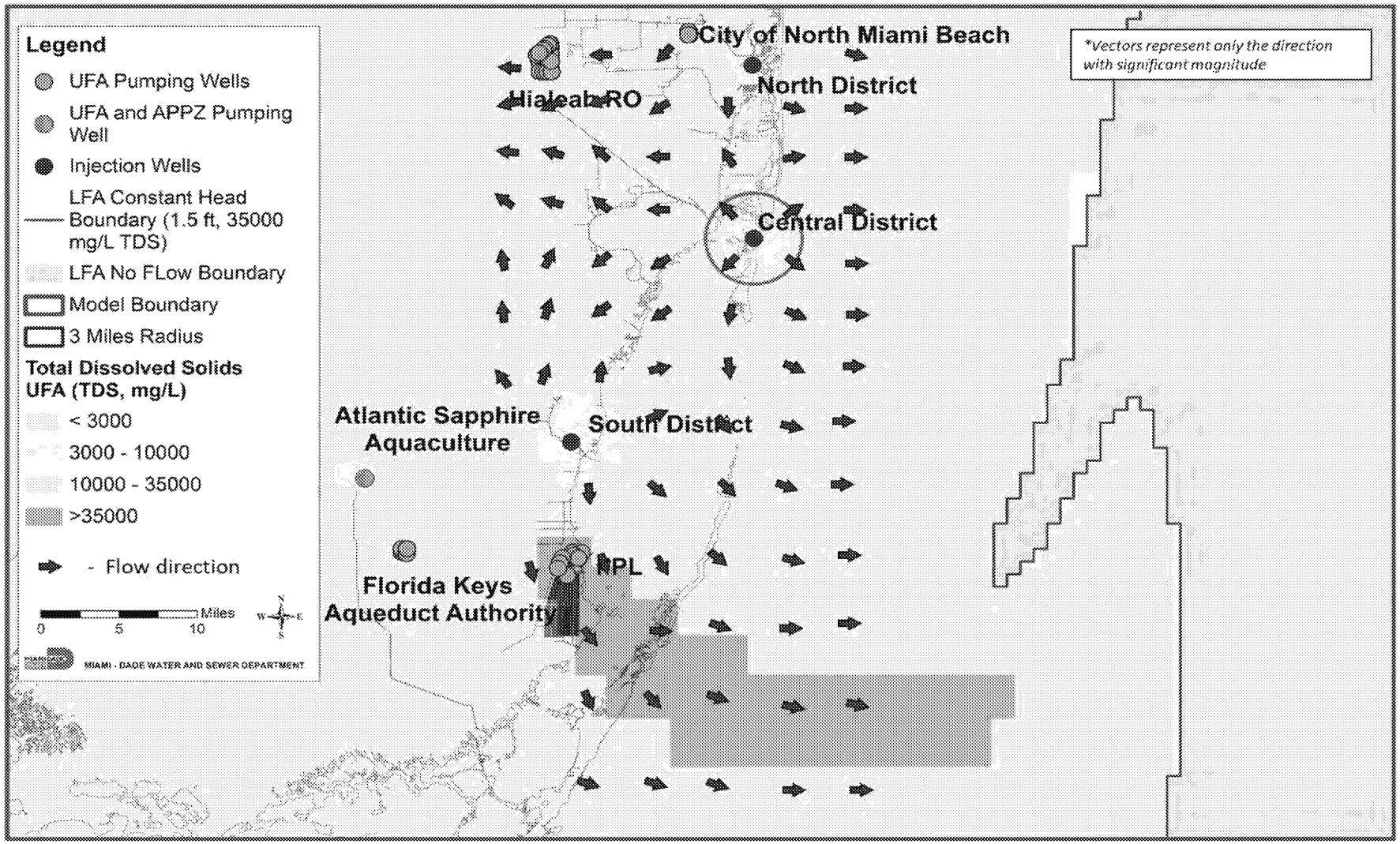

Figure 25. 50-year Water Supply and Wastewater Injection Scenario (CDWWTP_PWS_INJ) in the Lower Floridan Aquifer (Layer 13)

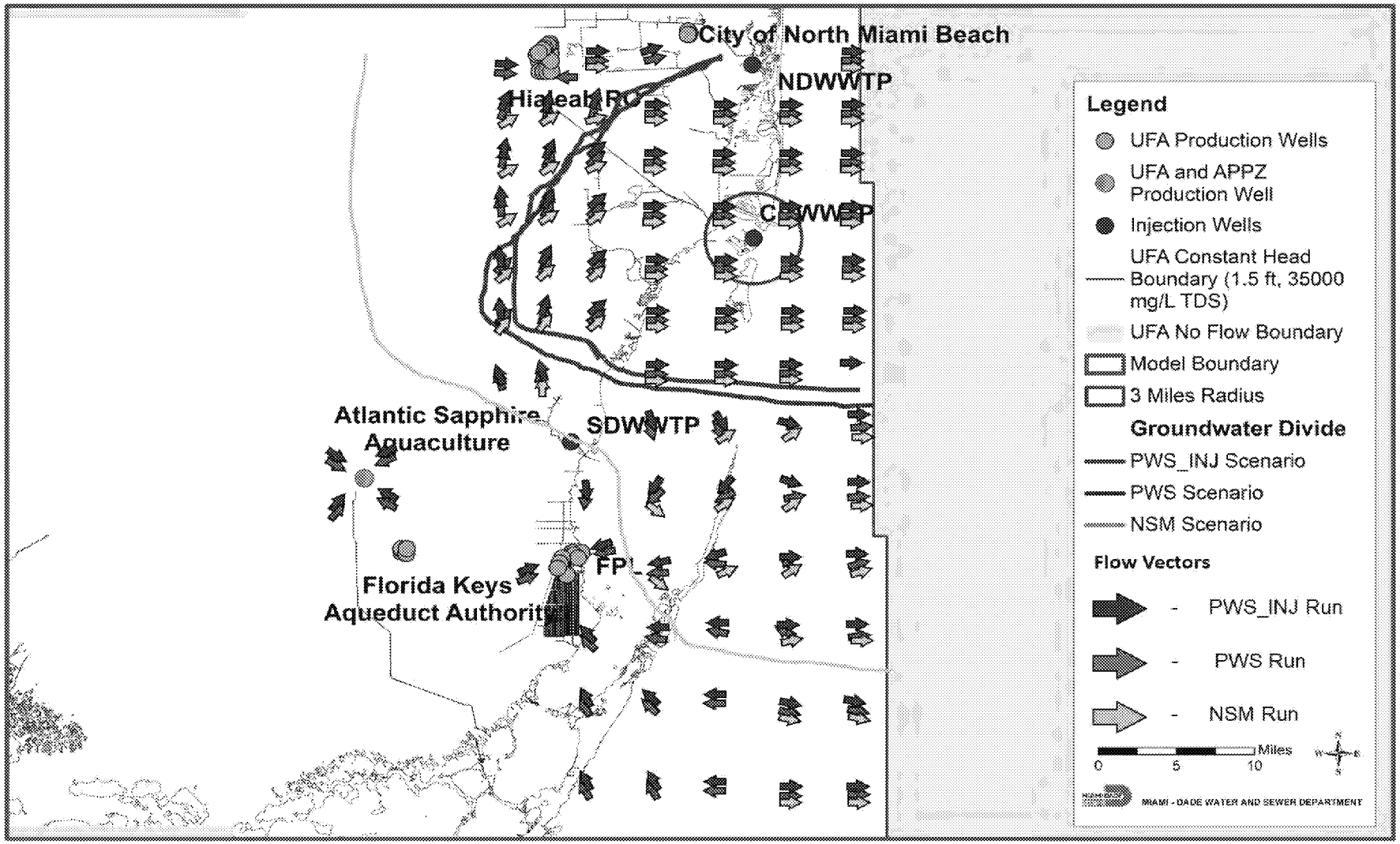

Figure 26. Groundwater Divide in the Upper Floridan Aquifer (Layer 4) after 20 Years for CDWWTP_NSM (*in green*) Compared to CDWWTP_WSP_INJ (*in red*)

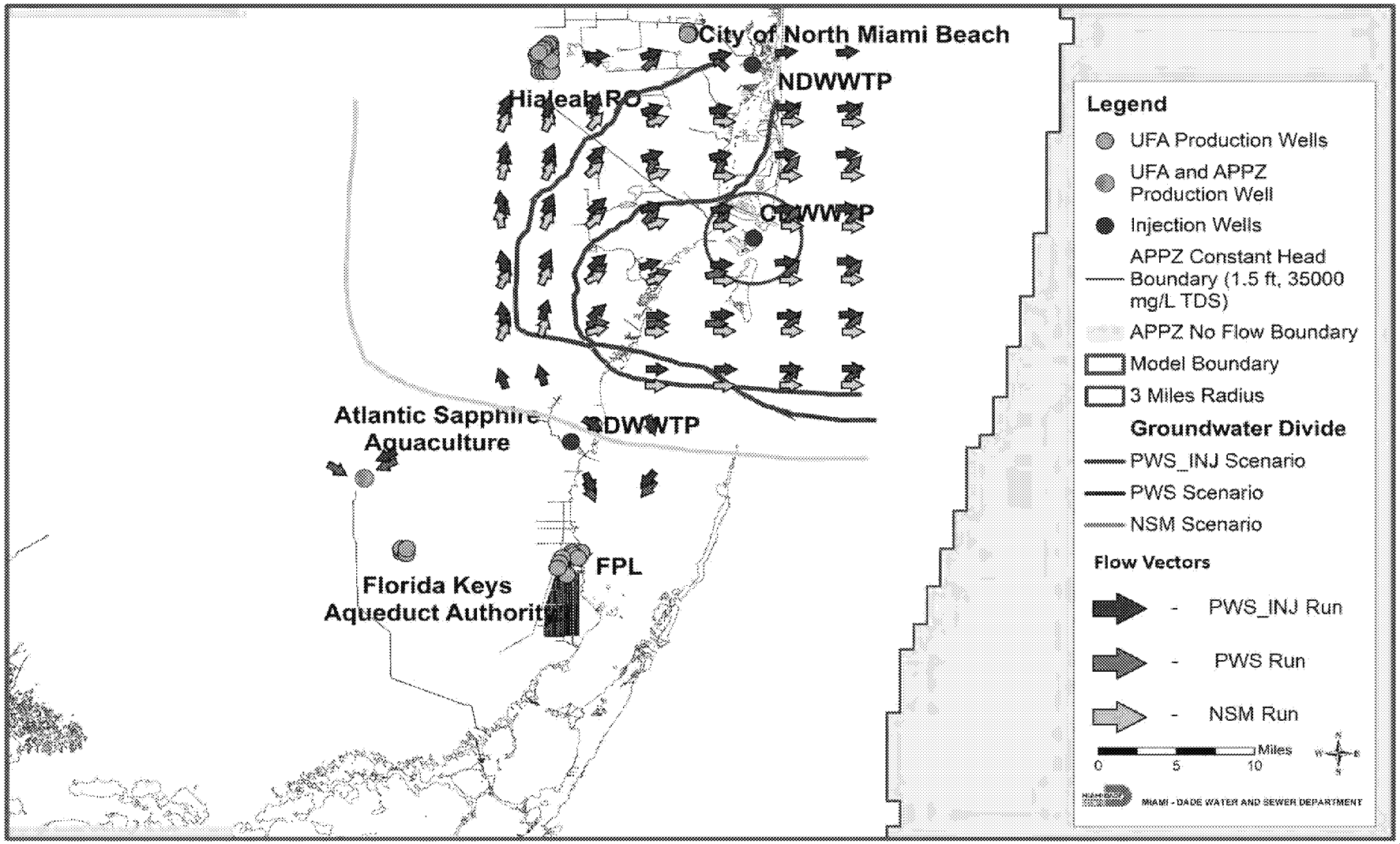

Figure 27. Groundwater Divide in the Avon Park Permeable Zone (Layer 6) after 20 Years for CDWWTP_PWS (*in blue*) Compared to CDWWTP_WSP_INJ (*in red*)

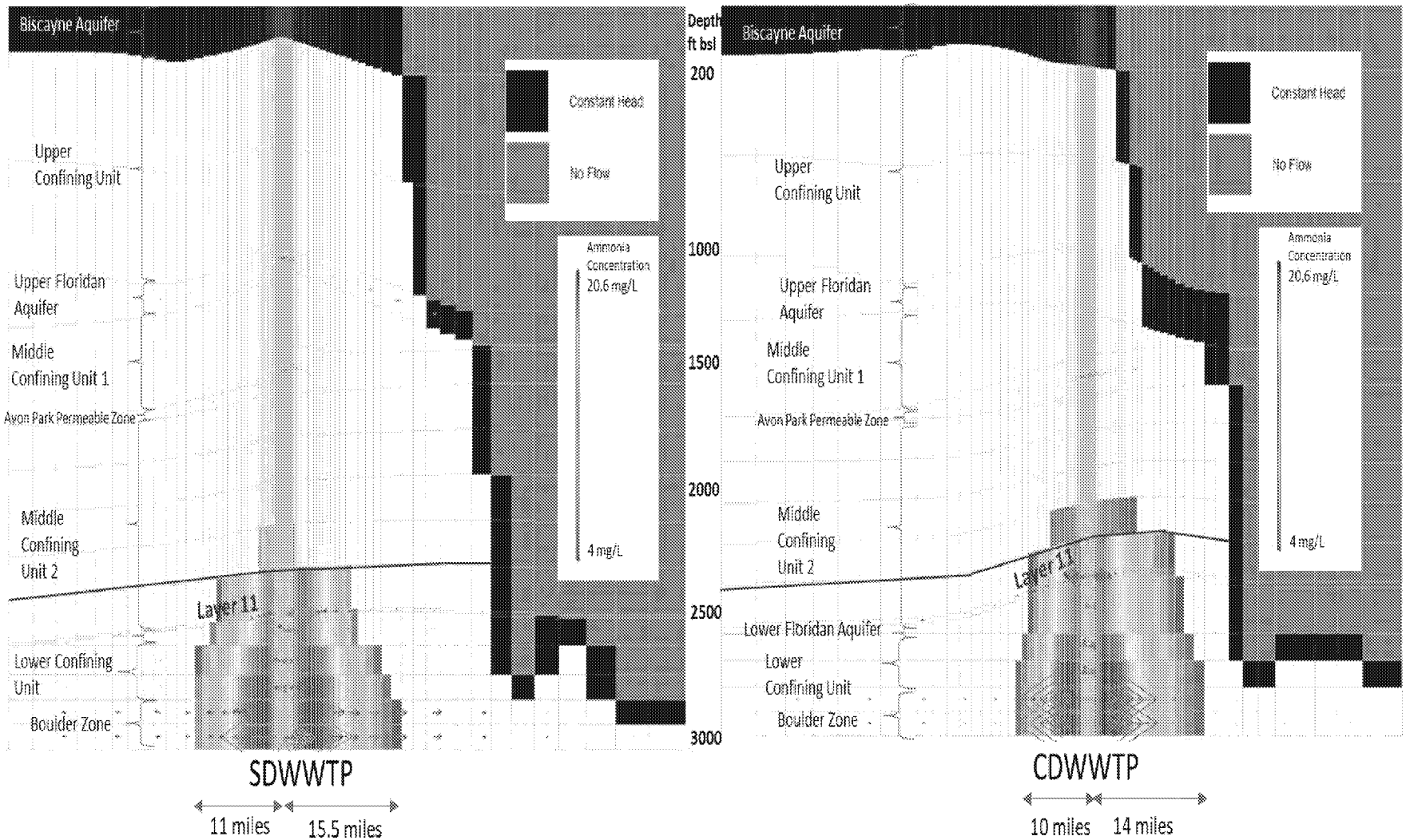

Figure 28. West to East Cross-Section for Potential Simulated Migration of Ammonia after 50 Years of Wastewater Injection at SDWWTP with USGS SWDDWTP Model (On the Left) and at CDWWTP with CDWWTP Model (On the Right)

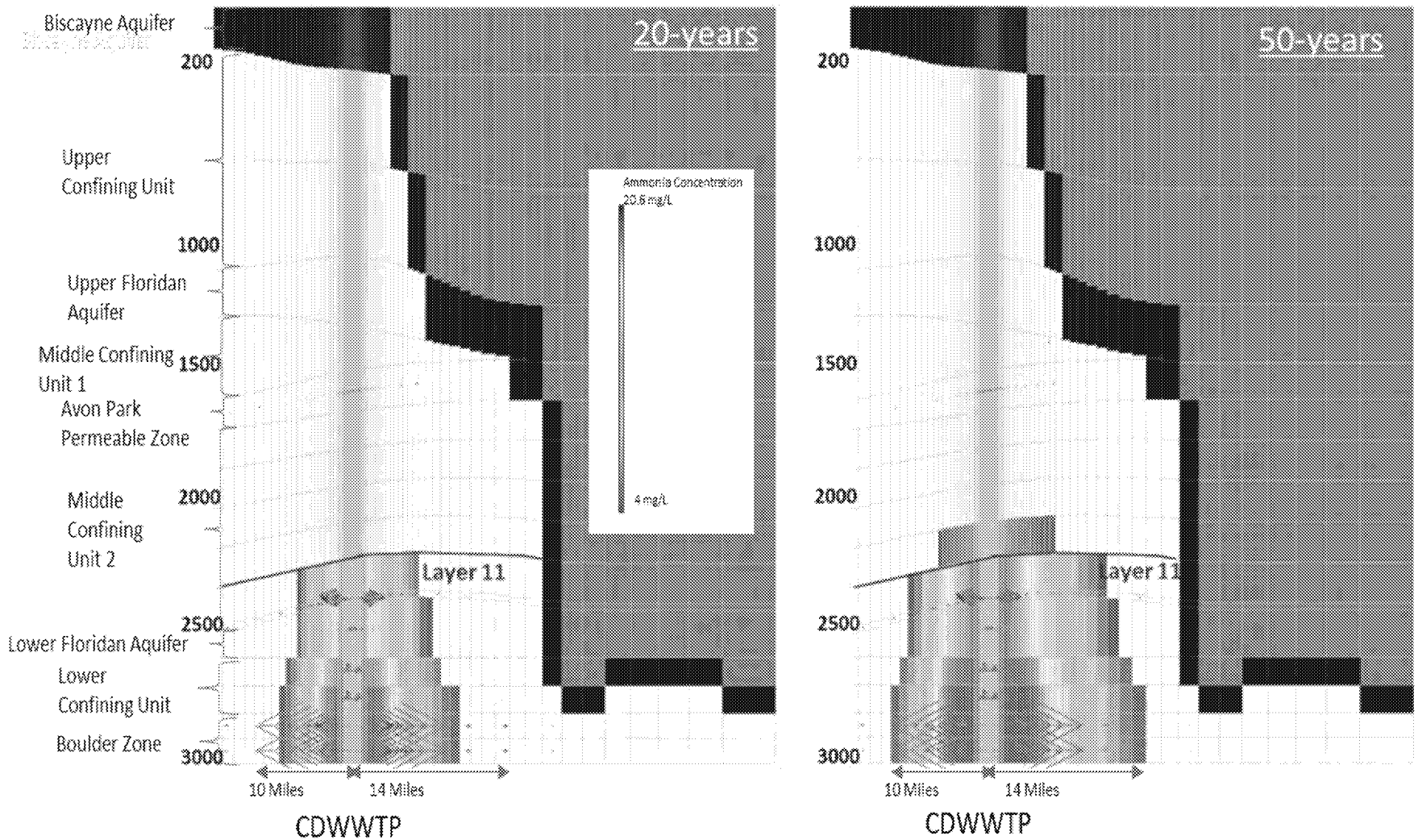

Figure 29. West to East Cross-Section for Potential Simulated Migration of Ammonia at CDWWTP after 20 and 50 Years of Wastewater Injection

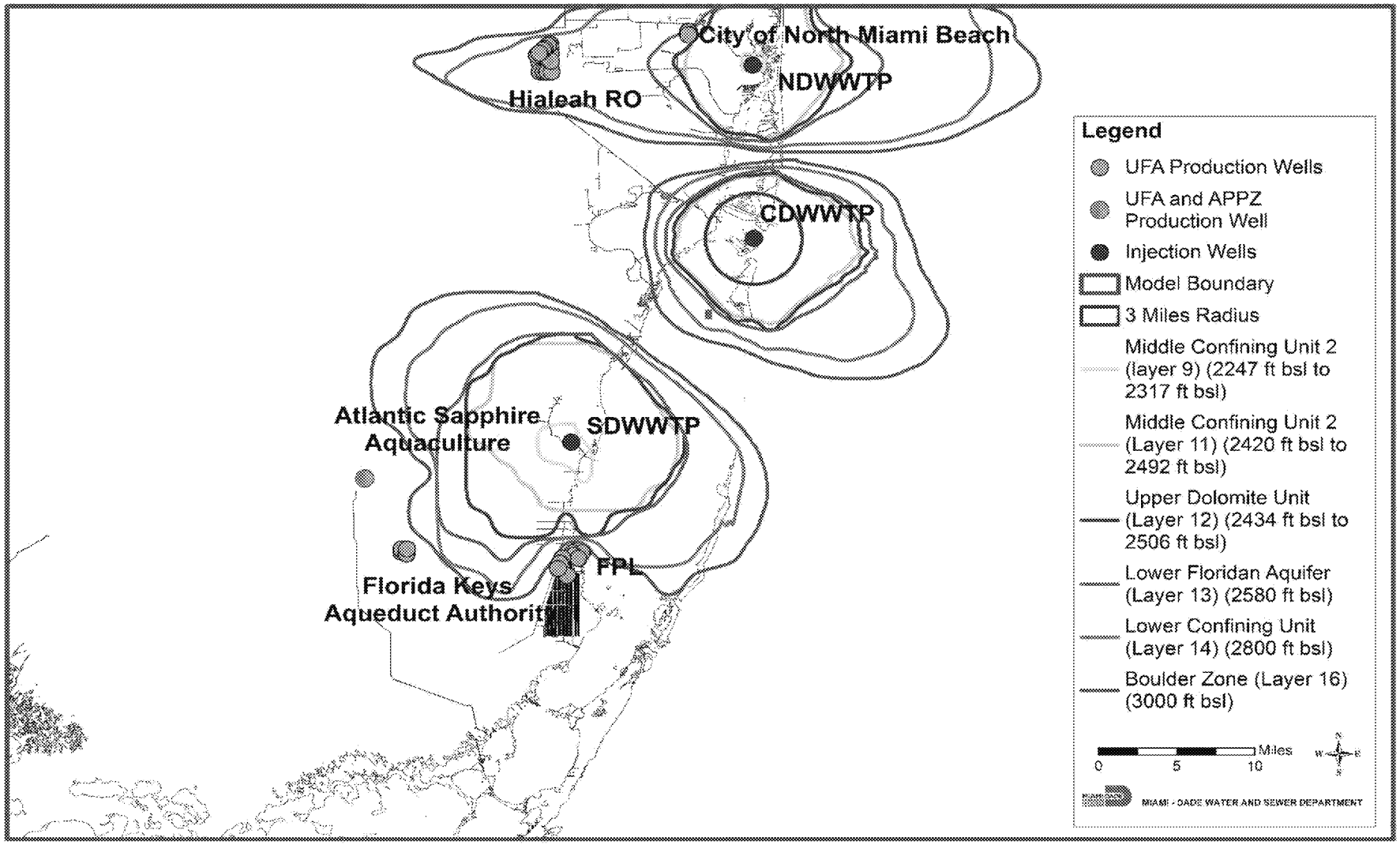

Figure 30. Contour Map of Potential Spatial Movement of Ammonia in any Model Layer (if present) after 20 Years of Wastewater Injection

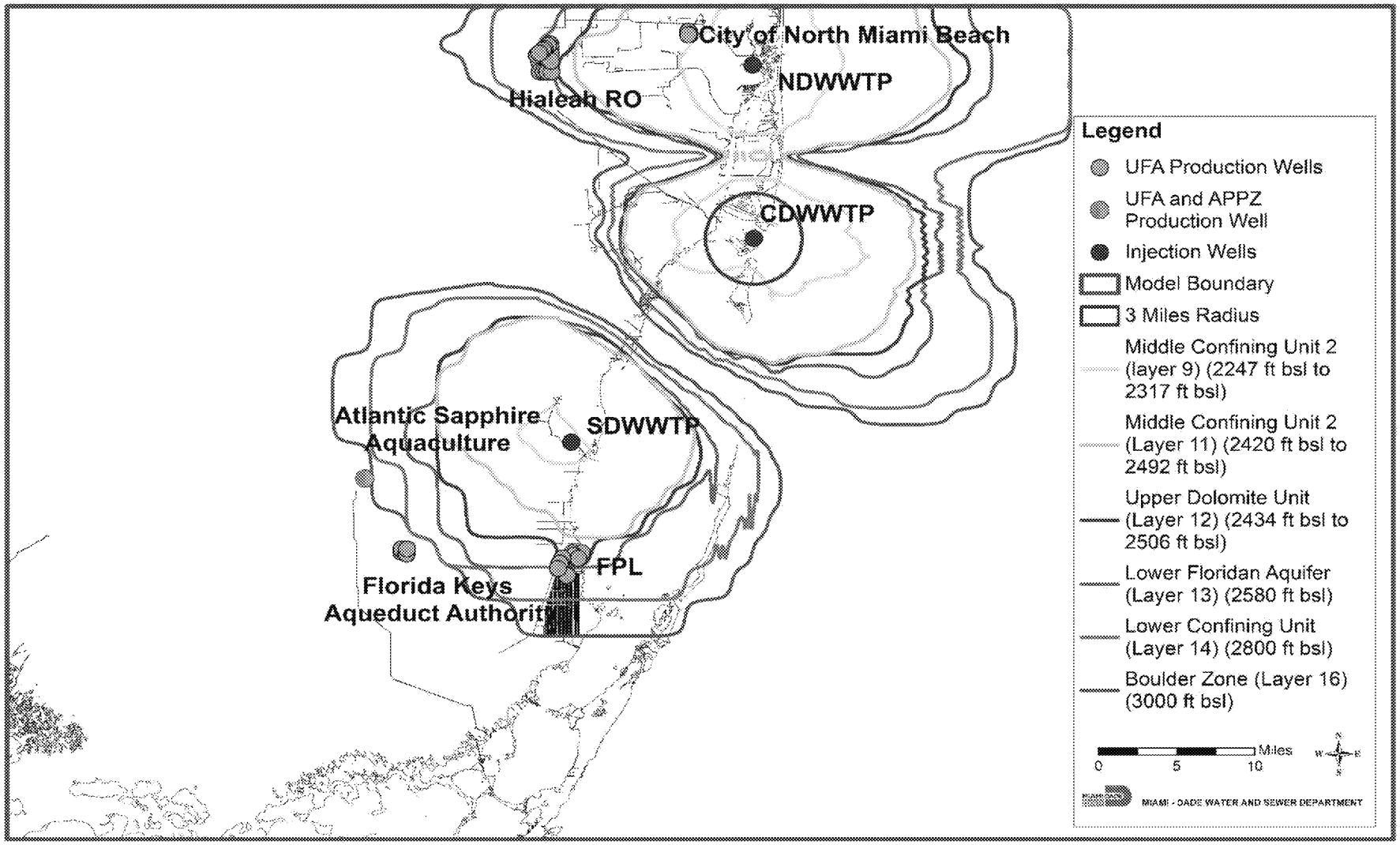

Figure 31. Contour Map of Potential Spatial Movement of Ammonia in any Model Layer (if present) after 50 Years of Wastewater Injection

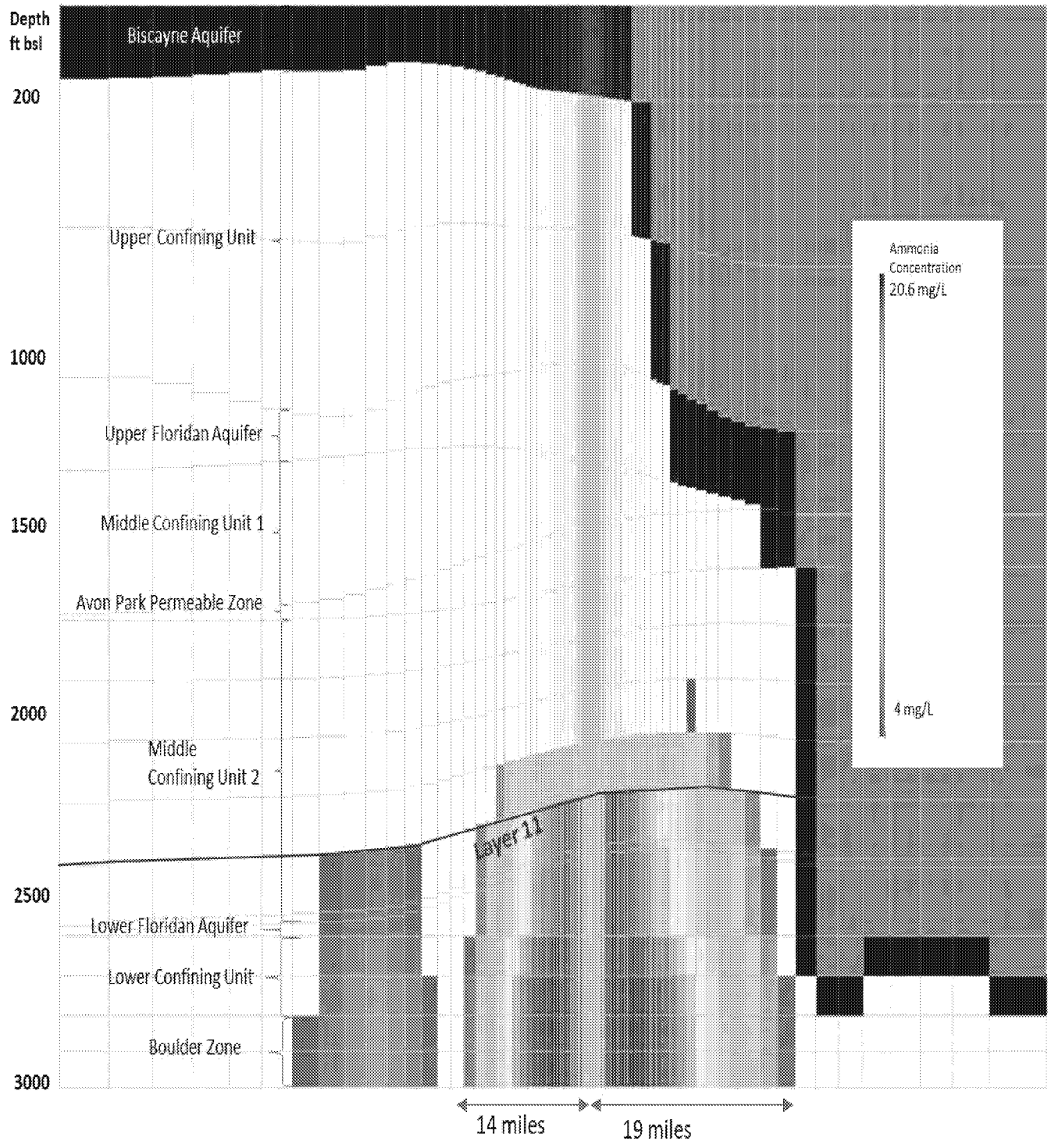

Figure 32. West to East Cross-Section for Potential Simulated Migration of Ammonia at CDWWTP after 150 Years of Wastewater Injection

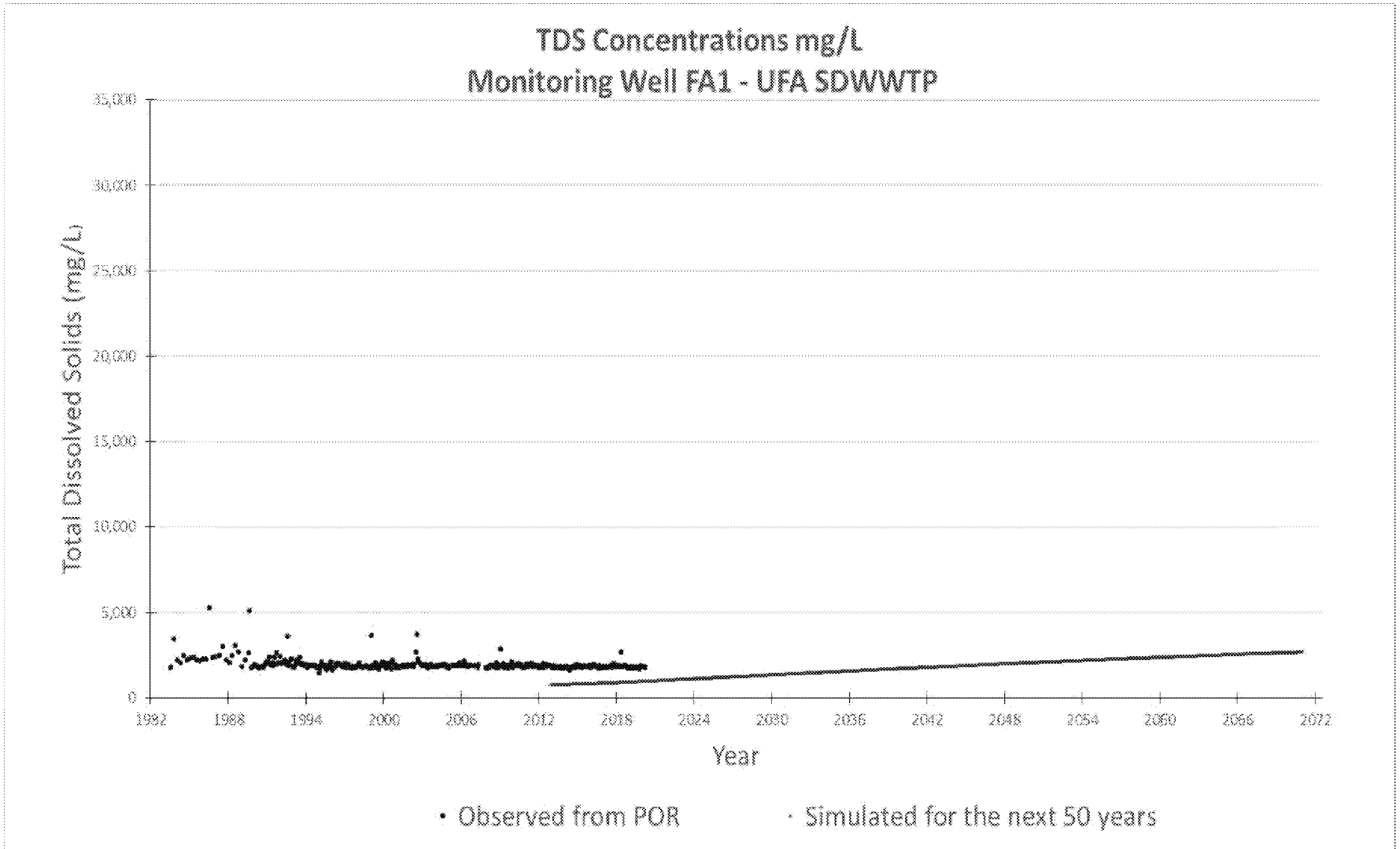

Figure 33. TDS projection in the UFA for the 50-year Water Supply with Injection (CDWWTP_WSP_INJ) scenario for SD FA1 (note: observed data is shown for reference purposes)

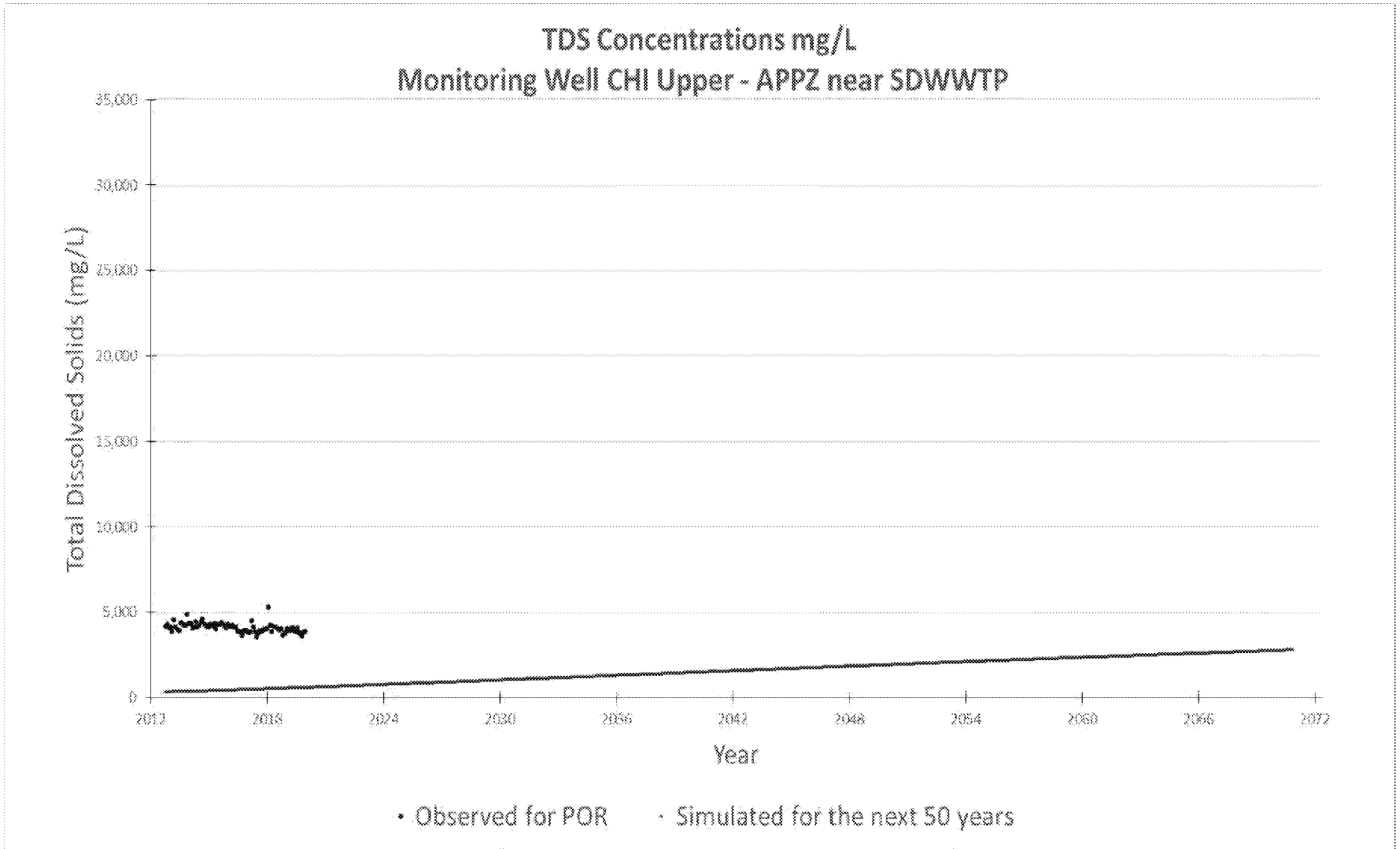

Figure 34. TDS projection APPZ for the 50-year Water Supply with Injection (CDWWTP_WSP_INJ) scenario for CHI1 Upper (note: observed data is shown for reference purposes)

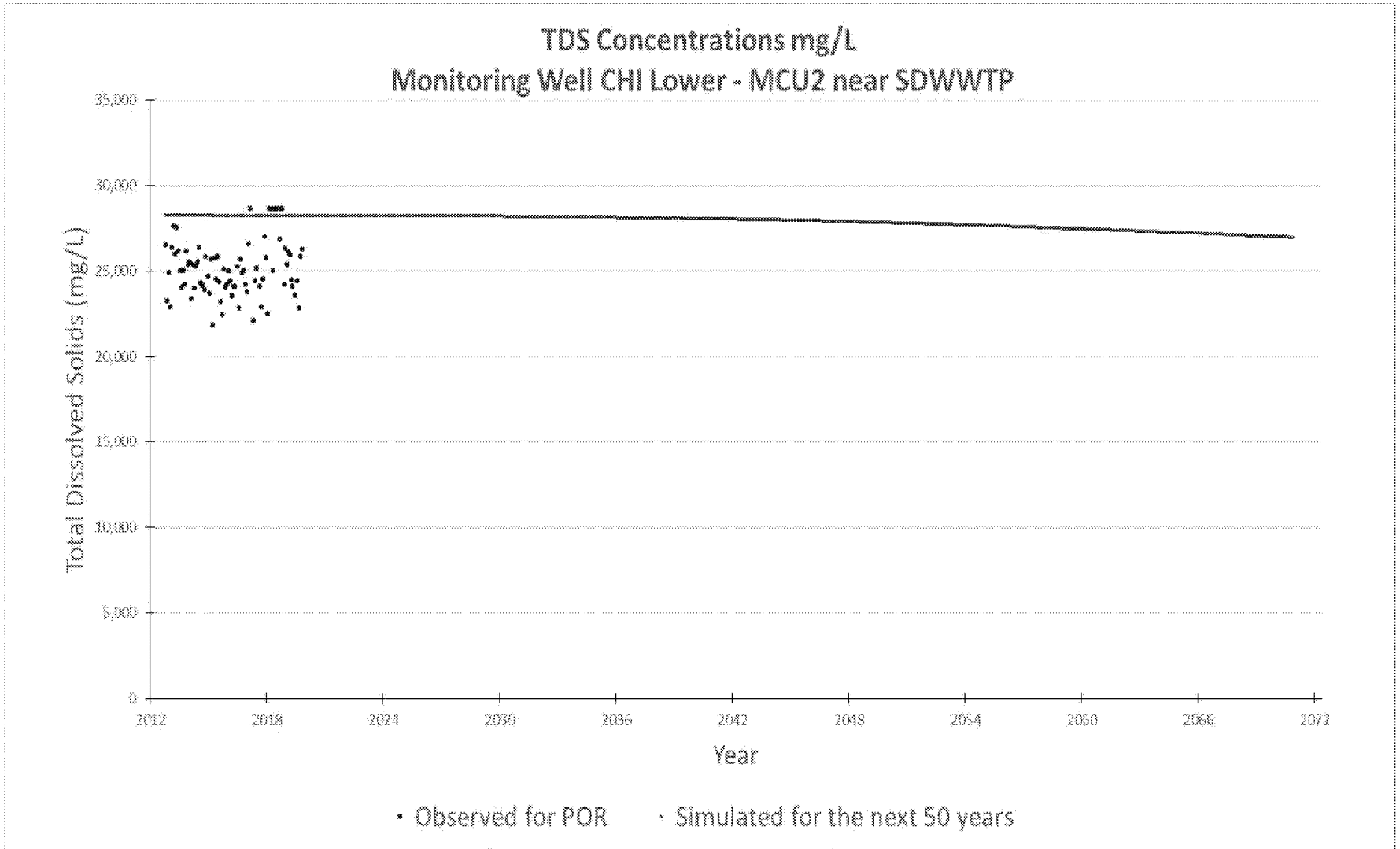

Figure 35. TDS projection MCU2 for the 50-year Water Supply with Injection (CDWWTP_WSP_INJ) scenario for CHI1 Lower (note: observed data is shown for reference purposes)

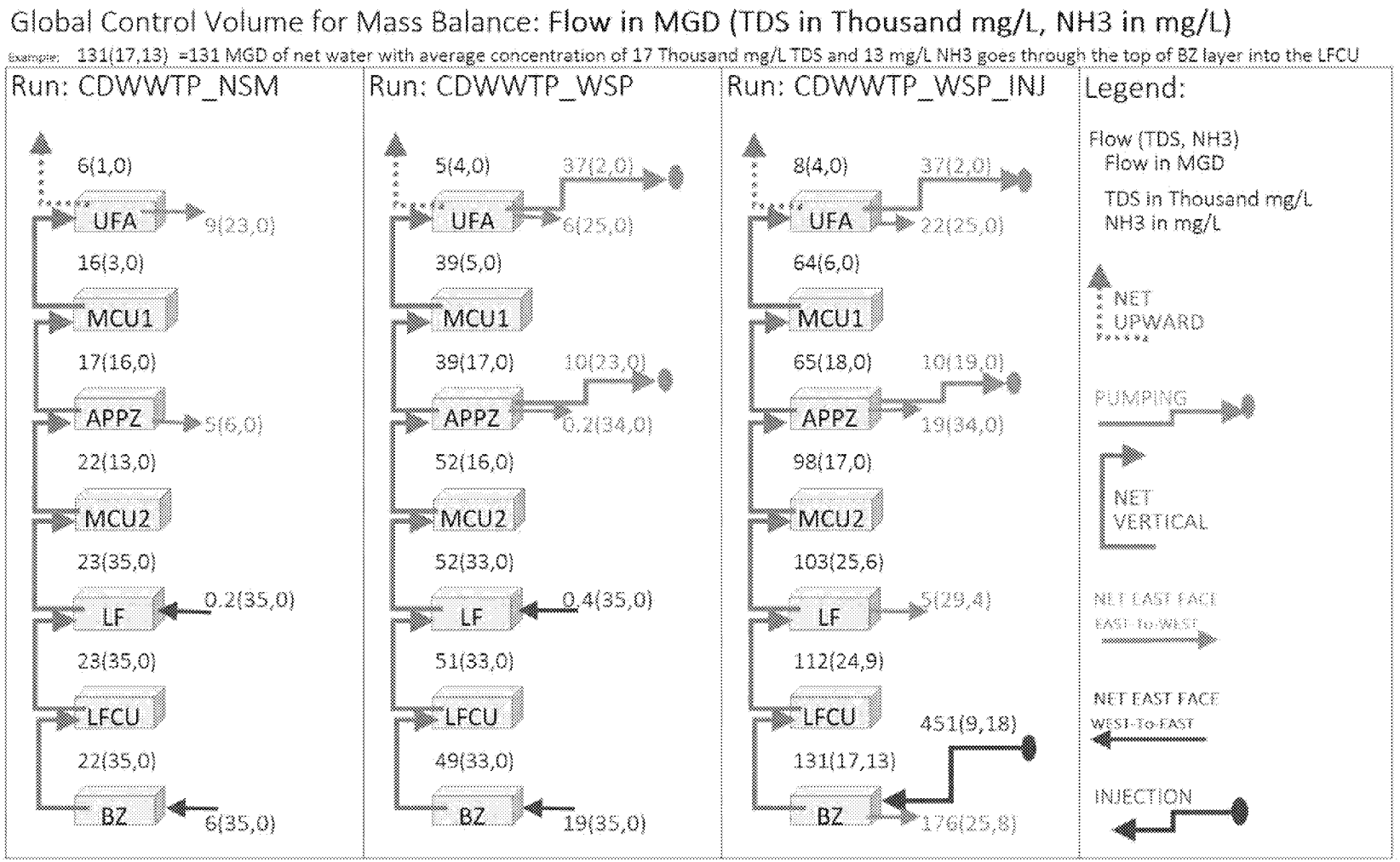

Figure 36. Global Domain Mass Balance at the end of 20 years, for CDWWTP_NSM (Left), CDWWTP_WSP (Center), and CDWWTP_WSP_INJ (Right)

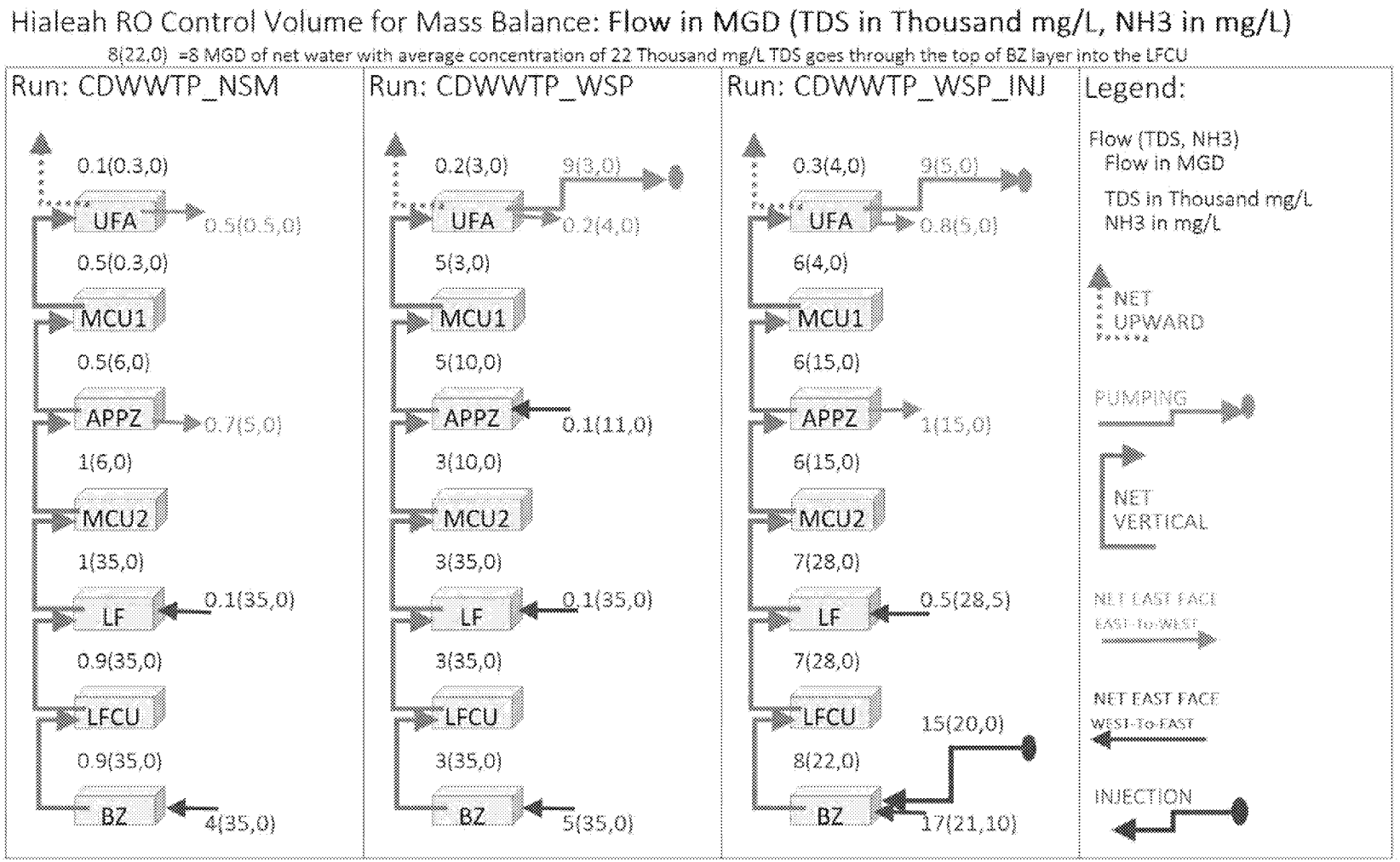

Figure 37. Local Mass Balance Terms at <u>Hialeah RO</u> at the end of 50 years, for CDWWTP_NSM (Left), CDWWTP_WSP (Center), and CDWWTP_WSP_INJ (Right)

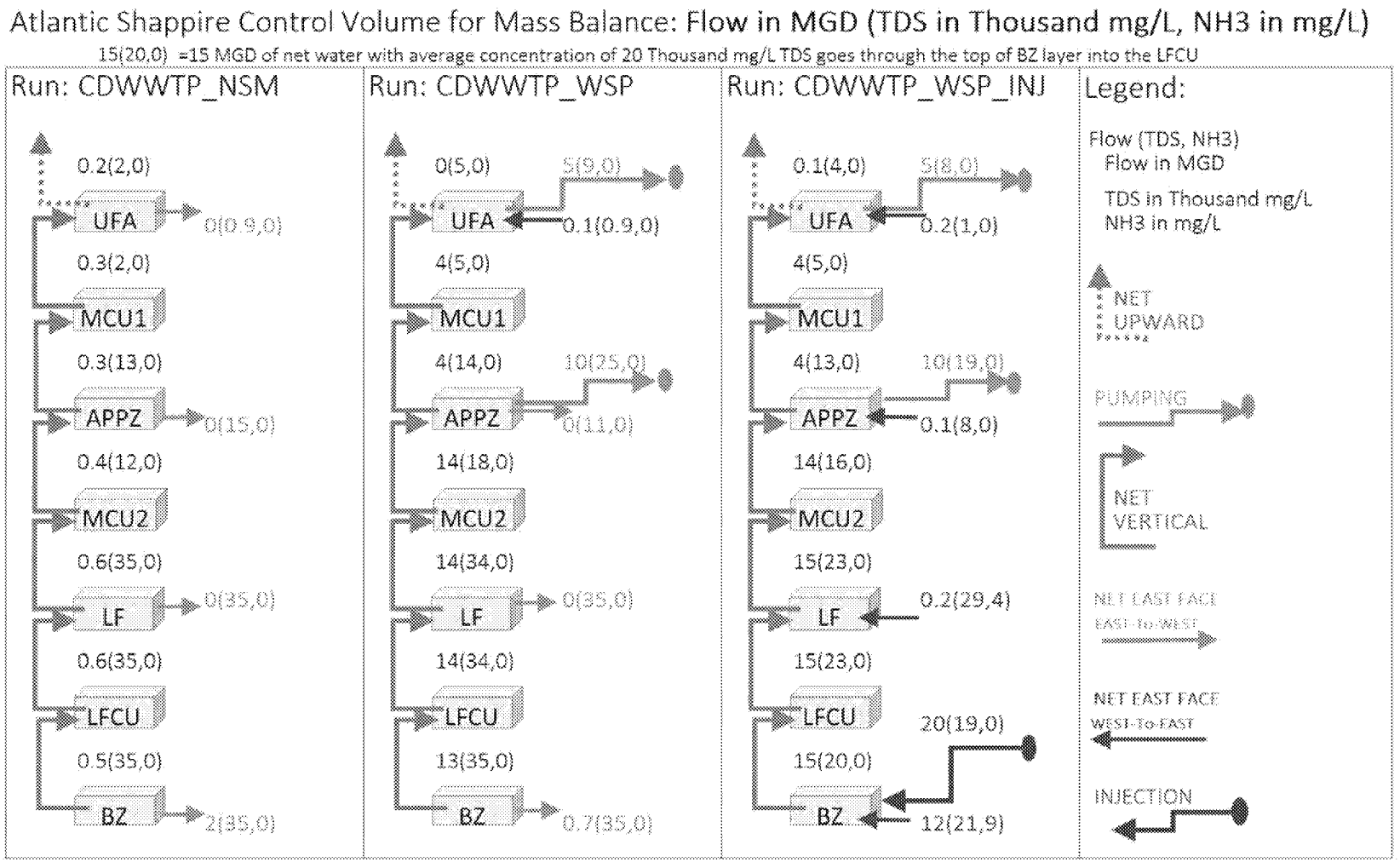

Figure 38. Local Mass Balance Terms at <u>Atlantic Sapphire Aquaculture</u> at the end of 50 years, for CDWWTP_NSM (Left), CDWWTP_WSP (Center), and CDWWTP_WSP_INJ (Right)

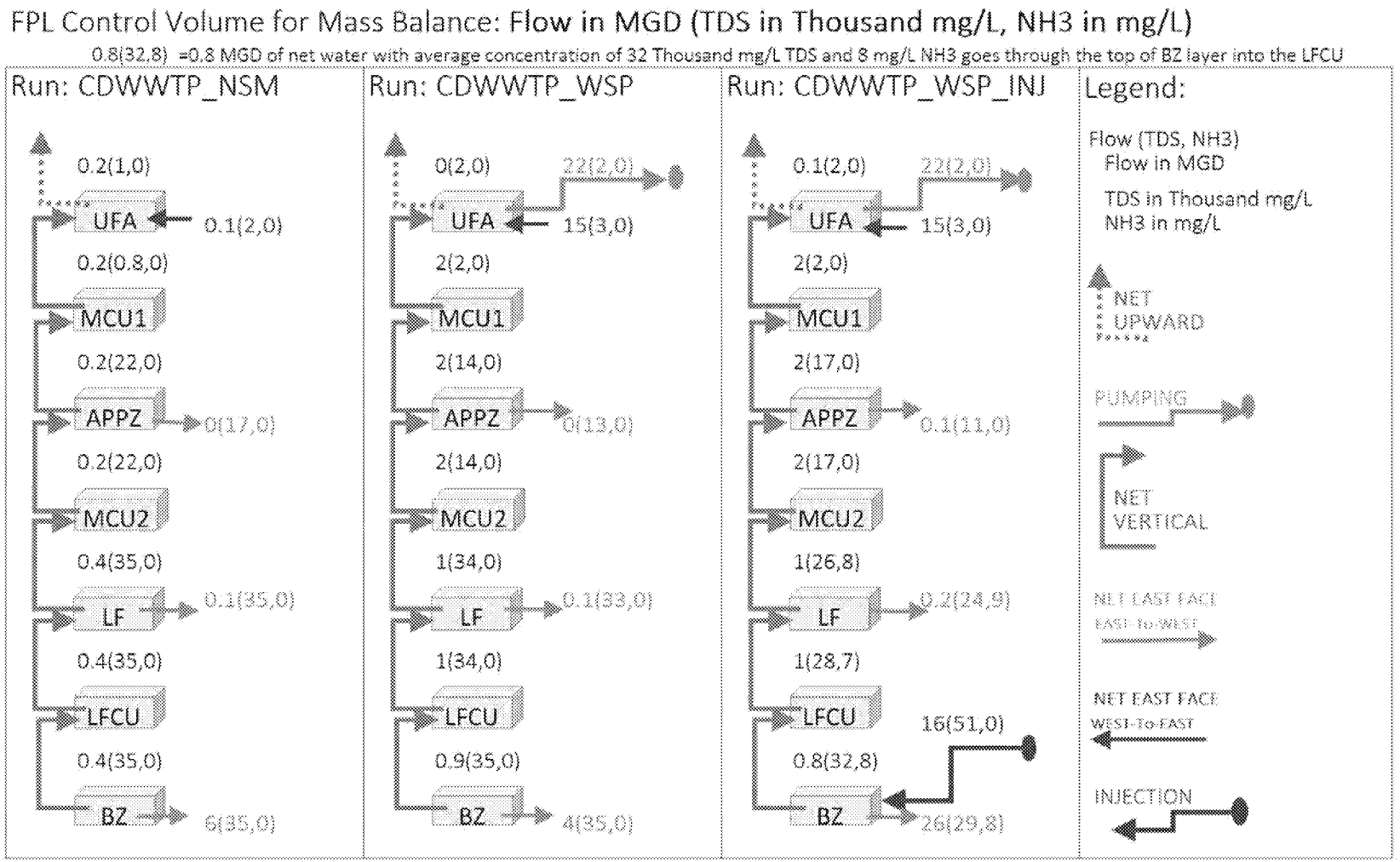

Figure 39. Local Mass Balance Terms at <u>FPL</u> at the end of 50 years for CDWWTP_NSM (Left), CDWWTP_WSP (Center), and CDWWTP_WSP_INJ (Right)

Appendix E. Pathogen Survival Analysis

ED_005978_00044342-00277 FL CWA 404 Assumption FOIA_Interim Release 1

Survival of Microbial Indicators of Human Fecal Contamination and Pathogens in Groundwater

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Summary

The injection of treated wastewater into the Boulder Zone at the Miami-Dade Central District Wastewater Treatment Plant may transport microbial indicators and pathogens, that have been shown to survive various wastewater treatment technologies, into and away from the receiving aquifer zone. Regulatory agencies require the microbiological testing of these injectates and possibly monitoring wells to determine if there is an increased human health risk to those who may come into contact with groundwater that has mixed with the injectate. The most commonly monitored microbial indicator of human fecal contamination, as required by state and federal regulations, is the bacterium *E. coli*. True pathogens, such as human enteroviruses and the encysted eukaryotic protozoan, *Cryptosporidium sp.*, are also monitored but less frequently than *E. coli*. Therefore, it is of interest to regulatory agencies and the general public to understand how long these microbial indicators and pathogens, if present in the injectate, survive in the subsurface once the secondary treted wastewater has been injected.

Although there is an abundance of published data on the inactivation of *E. coli*, enterovirus and *Cryptosporidium sp.* in groundwater, the geochemistry of the Boulder Zone and most of the Floridan Aquifer is too dissimilar for direct application of those inactivation rates. To date there are no survival (i.e., inactivation) data in the Boulder Zone, or zones in the Floridan Aquifer immediately above the Boulder Zone, for any microbial indicator or pathogen. However, there are *in situ* inactivation rate data for *E. coli* in the Upper Floridan and Avon Park Production Zone (APPZ) of the Floridan Aquifer in central and south Florida. Additionally, laboratory derived inactivation rate date for enterovirus and *Cryptosporidium sp.* in groundwater from the APPZ has been derived.

Collectively, these studies have shown that when applying the derived inactivation rates to typical maximum concentrations of *E. coli* (2,600 CFU/100 mL), enterovirus (100 PFU/100 L) and *Cryptosporidium sp.* (1,500 oocysts/100 L) in treated wastewater (i.e., the injectate) the abundances can be reduced to < 1.0, in the respective sample volumes, for *E. coli* in an average of 5.0 days (range: 0.2-13.7 days), 127.1 days (12.8-241.3 days) for enterovirus and 751.9 days (24.1-2,890.2 days) for *Cryptosporidium sp.* Expressing these inactivation time intervals in context of the lateral flow rate within the Area of Review (AOR) of 61,000 ft/50 yr (3.34 ft/day), the mean distances that *E. coli*, enterovirus and *Cryptosporidium sp.* would travel from the injection zone within the Boulder Zone before reducing their abundances to < 1.0 would be 16.7 ft (0.6-45.8 ft), 424.4 ft (42.8-805.9 ft) and 2,511.2 ft (80.5-9,653.2 ft), respectively.

Background

When natural or treated water sources are suspected of microbial contamination, regulatory agencies require those waters be tested for the presence of one or more microbial indicators of fecal contamination and/or true microbial pathogens. The presence of microbial indicators suggests there is an increased likelihood that a true pathogenic microorganism may be present in those waters. The general classes of microbial indicators most often included in potable water, treated wastewater, surface water and groundwater monitoring regulations are bacteria (e.g., total and fecal coliforms, *E. coli*, etc.) and viruses of bacteria (i.e., bacteriophage). Analyzing these same water sources for true pathogens, for example human enteroviruses and encysted protozoans (*Cryptosporidium* and *Giardia*), is required under some circumstances.

Survival of Bacterial Indicators of Fecal Contamination In Groundwater

With respect to the bacterial indicators the most often listed in regulatory statutes are the total coliforms or fecal coliforms. These coliform groups are comprised of collections of bacterial species. A more definitive bacterial indicator, which is included in both the total and fecal coliform groups, is *Escherichia coli* (*E. coli*). *E. coli* is the most often used bacterial species for regulatory monitoring and characterizing the fate (i.e., survival, inactivation) and transport of bacterial indicators of human fecal contamination in the water sources previously listed (EPA, 2012).

Studies on the inactivation rates of *E. coli* in aquifer systems have increased along with the application of managed aquifer recharge technologies (e.g., aquifer storage and recovery) and use of deep injection wells for the disposal of treated industrial and municipal wastes. With regard to the fate (i.e., survival, inactivation) of *E. coli* in groundwater, there are complex interactions between the bacterial cells and the geochemistry of the groundwater (e.g., nutrient concentrations, pH, TDS, redox potential, dissolved oxygen, anaerobiosis, etc.) and aquifer matrix (e.g., nutrient source, surface sorption/desorption, etc.) that influence the number of *E. coli* recovered in a sample and thereby the inactivation rate estimates (John, 2003; John, et al., 2004; John & Rose, 2005; Sidhu, et al., 2015; Lisle, 2016; Lisle, 2020). Accordingly, the application of published *E. coli* inactivation rates in groundwater or treated wastewater systems to a groundwater or treated wastewater source that are not geologically and geochemically similar can lead to misleading interpretations.

Table 1 lists *E. coli* $\log_{10}$ inactivation rates in groundwater, based on loss of culturability data, that can be categorized as experimentally artificial [Diffusion chambers (above ground & open systems) and Bench top beakers] and as close to natural as technologically possible [Diffusion chambers (*in situ*)]. The in situ studies used diffusion chambers which contained and retained laboratory grown *E. coli* that were suspended into the groundwater in relatively shallow monitoring wells (Sidhu & Toze, 2012; Page, et al., 2014; Sidhu, et al., 2015) or artesian groundwater from deep aquifer zones directed into above ground mesocosms that maintained the at depth geochemical conditions (Lisle, 2016; Lisle, 2020). The two studies by Lisle (2016; 2020) were conducted in groundwater from the Upper Floridan (UF) and Avon Park Production Zone (APPZ) from monitoring wells in central and south Florida.

If it's assumed the *E. coli* inactivation rates derived from *in situ* exposure to groundwater from a deep aquifer zone are applicable to the Boulder Zone, the zone into which the secondary domestic wastewater from the Miami-Dade Central District Wastewater Treatment Plant will be injected, the

range of relevant *E. coli* inactivation rates from the Lisle (2016, 2020) studies can be applied to estimate the inactivation or die off of *E. coli* in the injectate.

Table 1. *E. coli* inactivation rates in groundwater

Experimental Design	Inactivation Rate (*k*) ($\log_{10}$ hr^{-1})	Reference
Diffusion chambers (*in situ*)	0.029	Sidhu and Toze 2012
	0.018	Page, et al., 2014
	0.096	Sidhu, et al., 2015
	0.009 - 0.684	Lisle, 2016
	0.024 - 0.129	Lisle, 2020
Diffusion chambers (above ground & open systems)	0.015	McFeters, et al., 1974
	0.013	Keswick, et al., 1982
Bench top beakers	0.007	Bitton, et al., 1983
	0.007	John, 2003; John, et al., 2004
	0.002	Cook and Bolster, 2007

E. coli inactivation or die off rates are most often modeled using the first order decay rate equation:

$$C_t = C_0 * e^{-kt}$$

where C_t is the concentration of *E. coli* (CFU/100 mL) at a time point after the injection event, C_0 is the concentration of *E. coli* (CFU/100 mL) in the injectate at time zero, *k* is the inactivation rate constant (hr^{-1}; Table 1) and *t* is the time (hrs) between the injection event and the *E. coli* monitoring sample collection event. Since the objective is to model the time required for the *E. coli* concentration in the injectate to be reduced to < 1.0 CFU/100 mL, the equation can be re-written to solve for time (*t*) as follows:

$$t = \frac{\ln\left(\frac{C_t}{C_0}\right)}{^{-}k}$$

For the input *E. coli* data (C_0) a worst-case scenario concentration of 2,600 CFU/100 mL was taken from the average monthly operating reports from the Miami-Dade Water & Sewer Department's Central, South and North wastewater treatment plants for 2016-2019. The final *E. coli* concentration (C_t) was set to 0.5 CFU/100 mL and the inactivation rates (*k*) (i.e., 0.009 $\log_{10}$ hr^{-1}, 0.024 $\log_{10}$ hr^{-1}, 0.129 $\log_{10}$ hr^{-1}, 0.684 $\log_{10}$ hr^{-1}) were from **Table 1**.

The derived *E. coli* die off rates in the treated wastewater injectate are 329.4 hrs (13.7 days), 123.5 hrs (5.1 days), 23.0 hrs (0.96 days) and 4.3 hrs (0.2 days). Therefore, based on the *E. coli* inactivation rates derived from exposure to two different zones within the Floridan Aquifer the predicted time it would take for the 2,600 *E. coli*/100 mL in the injectate to be reduced to non-detectable concentrations (i.e., < 1.0 CFU/100 mL) would range between 0.2-13.7 days. Taking the predicted lateral flow rate of the injectate 61,000 ft/50 yr or 3.34 ft/day, as described for the Area of Review (AOR) (Section 3.1.2), the *E. coli* population would travel between approximately 0.6-45.8 ft from the injection point in the aquifer zone before the number of *E. coli* reduced to < 1.0 CFU/100 mL.

Survival of True Pathogens Whose Occurrence Is Related to Fecal Contamination in Groundwater

Enteroviruses. Enterovirus is a group of viruses capable of infecting humans and lower mammals, with some of the members often being associated with water transmitted diseases (Bull, et al., 1990). Though enterovirus is shed by human populations at rates as high as ~10^3 PFU/100 L, optimized secondary wastewater treatment has been shown to reliably reduce this viral load by ~ 1-2 $\log_{10}$ (Rose, et al., 2001).

To date, there have been no studies on the inactivation of any member of the enterovirus group during exposure to groundwater from any zone within the Floridan Aquifer. However, a study to characterize inactivation rates, as determined by loss of infectivity, of a representative member (i.e., poliovirus) of the enterovirus group during exposure to groundwater in the Upper Floridan Aquifer has been funded by South Florida Water Management District (SFWMD) (Project Manager: Bob Verrastro).

Though data on enterovirus inactivation in the Floridan Aquifer are currently unavailable, there is an extensive literature base on the survival of enteroviruses in other groundwater sources. Two members of the enterovirus group, polio virus and coxsackievirus, have been used extensively for inactivation in groundwater studies (Azadpour-Keeley, et al., 2003; John and Rose, 2005). The inactivation rates (k) for these enteroviruses, as listed in the cited publications, range from 0.00042-0.0079 $\log_{10}$ hr^{-1}.

Using the same approach to derive the transport distance required for the concentration of enterovirus to be reduced to < 1.0 PFU/100 L, as described above for *E. coli*, the range of inactivation rates from the published literature and a C_0 = 100 PFU/100 L and C_t = 0.5 PFU/100 L were used. Based on this scenario and assuming the inactivation rates are applicable to the groundwater in the Florian Aquifer zone, enterovirus in the injectate would be reduced to < 1.0 PFU/100 L in between 307.9-5,790.6 hrs (12.8-241.3 days). Using the predicted lateral flow rate of the injectate in the AOR of 3.34 ft/day, the injectate would travel between 42.8-805.9 ft from the injection point in the aquifer zone before the number of enterovirus reduced to < 1.0 PFU/100 L. These inactivation rates do not include loss of virus due to adsorption or permanent retention onto and into the aquifer matrix.

All but a few of the cited studies within these two review publications are laboratory bench-top studies using beakers or test tubes and the physical and chemical profiles of the sampled groundwater (when provided) are not similar to that of the middle-to-lower Floridan Aquifer. These caveats should be considered when interpreting these estimates as groundwater physical and chemical conditions have been shown to directly influence survival of enteroviruses in groundwater.

Cryptosporidium sp. The encysted protozoan parasites, *Giardia sp*. and *Cryptosporidium sp*., are pathogenic and whose occurrence is commonly monitored per state and federal water quality

regulations. Occurrence and inactivation data on *Cryptosporidium parvum* are the most common as *Giardia sp.* has been shown to be more readily removed by routine water and wastewater treatment processes and are more sensitive to environmental stressors than *Cryptosporidium sp*. Cryptosporidium parvum concentrations in treated wastewater effluent in the United States ranges from 1-1,500 oocysts/100 L (Rose, et al., 2001; Hamilton, et al., 2018).

A considerable literature base exists on the occurrence and inactivation of *Cryptosporidium parvum* in groundwater (reviewed in John and Rose, 2005 and Hamilton, et al., 2018; Sidhu and Toze, 2012)). However, unlike the enterovirus there are published studies on the survival of *Cryptosporidium parvum* during exposure to groundwater from the Floridan Aquifer in central Florida (John, 2003; John, et al., 2004; Ives, et al., 2007). These studies were conducted in the laboratory by bringing native groundwater from the Upper Floridan Aquifer and the Avon Park Production Zone back to the laboratory and seeding small volumes of each with purified oocysts. These studies evaluated the effects of high TDS (1,500-4,000 mg/L) and aquifer temperature (22°C and 30°C). *The Cryptosporidium parvum* inactivation rates ranged from 4.17×10^{-5} $\log_{10}$ hr^{-1} - 0.005 $\log_{10}$ hr^{-1}.

As with the *E. coli* and enterovirus inactivation rate data, the time required for the *Cryptosporidium parvum* concentration to be reduced to < 1.0 oocyst/100 L was calculated using a worst case scenario initial concentration (C_0) of 1,500 oocysts/100 L, final concentration (C_t) 0.5 oocysts/100 L and the range of inactivation rates (k) previously listed. This scenario provides an estimate of 578.5-69,364.4 hrs (24.1-2890.2 days) for the *Cryptosporidium parvum* oocyst concentration to be reduced to < 1.0 oocysts/100 L. Using these time intervals and the lateral injectate flow rate in the AOR (3.34 ft/day), the injectate would travel between 80.5-9,653.2 ft from the injection point in the aquifer zone before the *Cryptosporidium parvum* oocysts concentrations are reduced to < 1.0 oocyst/100 L.

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Appendix F. Population and Flow Projections

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Appendix F. Miami-Dade County Population and Flow Projections Summary

1.1 POPULATION PROJECTIONS

The South Florida Water Management District (SFWMD or District) develops and updates regional water supply plans to assess current and future water needs while sustaining central and southern Florida's water resources. Florida Statute requires the plans be based on 20-year planning periods and updated every 5 years. This *2018 Lower East Coast Water Supply Plan Update* (LECWSP) (2018 LEC Plan Update) assesses existing and projected water needs as well as water sources to meet those needs through 2040. The 2018 LEC Plan Update reflects the changes experienced in the LEC Planning Area since late 2013, when the plan was last updated, and the effects of those changes on water use and projected water demands (LECWSP, 2018). The 2018 Lower East Coast Water Supply Planning Area (LECWSPA) includes Palm Beach, Broward, Miami-Dade, Monroe, and some of Hendry County. The LECWSP includes the most recent population and water demand projections for Miami-Dade County, and the summary of the findings are provided herein. Based on medium estimates from the Bureau of Economic and Business Research (BEBER), it is anticipated the LECWSPA population will increase from 6.03 million permanent residents to 7.57 million permanent residents by 2040 (LECWSP, 2018).

The 2018 LECWSP utilized a multi-step process to develop projected populations and water demand within Miami-Dade County including identifying utility service areas and Domestic and Small Public Supply (DSS). Projections of permanent resident populations for Miami-Dade County are based on projections published by the planning department (LECWSP, 2018). To determine areas of high growth within Miami-Dade County, the population projection is updated by using the 2016 medium county population projection. The 2016 medium county population projection is divided into traffic analysis zones (TAZs) using Local Comprehensive Plans, transportation infrastructure, undeveloped land, and employment opportunities as factors to consider when estimating population growth (LECWSP, 2018).

Once the TAZ population was projected for Miami-Dade County, any discrepancies that occurred due to inconsistencies from the publication date or source data were identified. To resolve these discrepancies, all the service areas and DSS population totals were adjusted so the county-calculated total equaled the BEBER county total (LECWSP, 2018). The projected population for Miami-Dade County is based on this methodology; the 2040 population is estimated to be 3.5 million. A full list of results can be found below in the **Exhibit F-1** and **Table F-1**.

Table F-1: Miami-Dade County Population Projection

	2016	2020	2025	2030	2035	2040
Americana Village	1,583	1,583	1,583	1,583	1,583	1,583
Florida City WSD	12,172	14,492	17,350	20,127	22,787	25,340
Homestead, City of	68,939	75,072	82,416	89,345	95,784	101,838
MDWASD	2,351,064	2,487,983	2,647,294	2,792,869	2,923,543	3,043,340

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	2016	2020	2025	2030	2035	2040
North Miami, City of	75,725	76,714	77,528	77,921	77,918	77,672
North Miami Beach, City of	169,946	178,852	189,117	198,396	206,621	214,092
Public Water Supply Total	**2,679,429**	**2,834,696**	**3,015,288**	**3,180,241**	**3,328,236**	**3,463,865**
DSS Total	**21,365**	**26,705**	**33,311**	**39,760**	**45,963**	**51,935**
Miami-Dade County Total	**2,700,794**	**2,861,401**	**3,048,599**	**3,220,001**	**3,374,199**	**3,515,800**

1.2 DEMAND PROJECTIONS

The finished water population per capita use rate (PCUR) was developed for Miami-Dade County by dividing the annual finished water volume for 2012 through 2016 by Miami-Dade County's population (permanent residents) for each year; then, the five annual PCURs were averaged to a value of 138 PCUR (LECWSP, 2018). Miami-Dade County's finished water volumes for 2012 through 2016 were obtained from water treatment plant monthly operating reports (LECWSP, 2018). Future water Conservation savings were not factored into demand projections and PCURs because of uncertainty of timing and magnitude of water conservation practices. Finished water demand was calculated by multiplying Miami-Dade County's population by the 5-year average PCUR, as shown on **Table F-2.** The 2040 finished water demand is 460 MGD (LECWSP, 2018). Water use permit allocations are based on the raw water volume to meet service demands (LECWSP, 2018). A raw-to-finished ratio was used to convert finished water to raw water demands. (LECWSP, 2018). The raw-to-finished ratio is based on treatment efficiency of each water treatment plant (LECWSP, 2018). Miami Dade County's raw-to-finish ratio based on combined treatment efficiencies is 1.04 (LECWSP, 2018). Using the raw-to-finish ratio, the 2040 raw water demand is 484 MGD, as shown on **Exhibit F-2** and **Table F-2.**

Table F-1: Miami-Dade County Water Demands under Average Rainfall Conditions (MGD)

	2016	2020	2025	2030	2035	2040
			Net Water			
Americana Village	0.22	0.22	0.22	0.22	0.22	0.22
Florida City WSD	2.03	2.42	2.90	3.39	3.81	4.23
Homestead, City of	10.75	11.71	12.86	13.94	14.94	15.89

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	2016	2020	2025	2030	2035	2040
MDWASD	315.69	338.12	358.01	376.01	392.15	406.78
North Miami, City of	7.72	7.82	7.91	7.95	7.95	7.95
North Miami Beach, City of	19.71	20.75	21.94	23.01	23.97	24.83
Miami-Dade County Total	**356.14**	**381.05**	**403.83**	**424.56**	**443.04**	**459.88**
			Finished Water			
Americana Village	0.23	0.23	0.23	0.23	0.23	0.23
Florida City WSD	2.09	2.49	2.98	3.46	3.92	4.36
Homestead, City of	11.08	12.06	13.24	14.36	15.39	16.36
MDWASD	328.32	351.65	372.33	391.11	407.84	427.12
North Miami, City of	7.96	8.06	8.15	8.19	8.19	8.16
North Miami Beach, City of	21.88	23.03	24.35	25.55	26.60	27.57
Miami-Dade County Total	**371.56**	**397.52**	**421.28**	**442.90**	**462.17**	**483.80**

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Exhibits

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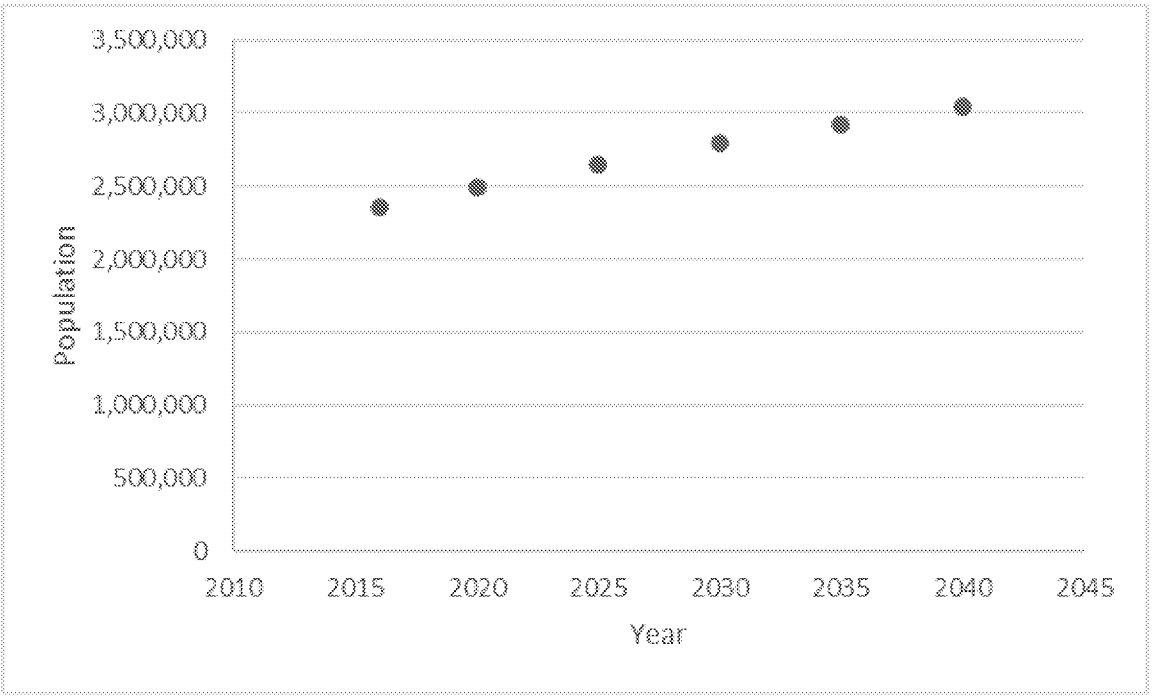

Exhibit F-1: Miami-Dade County Population Growth through 2040

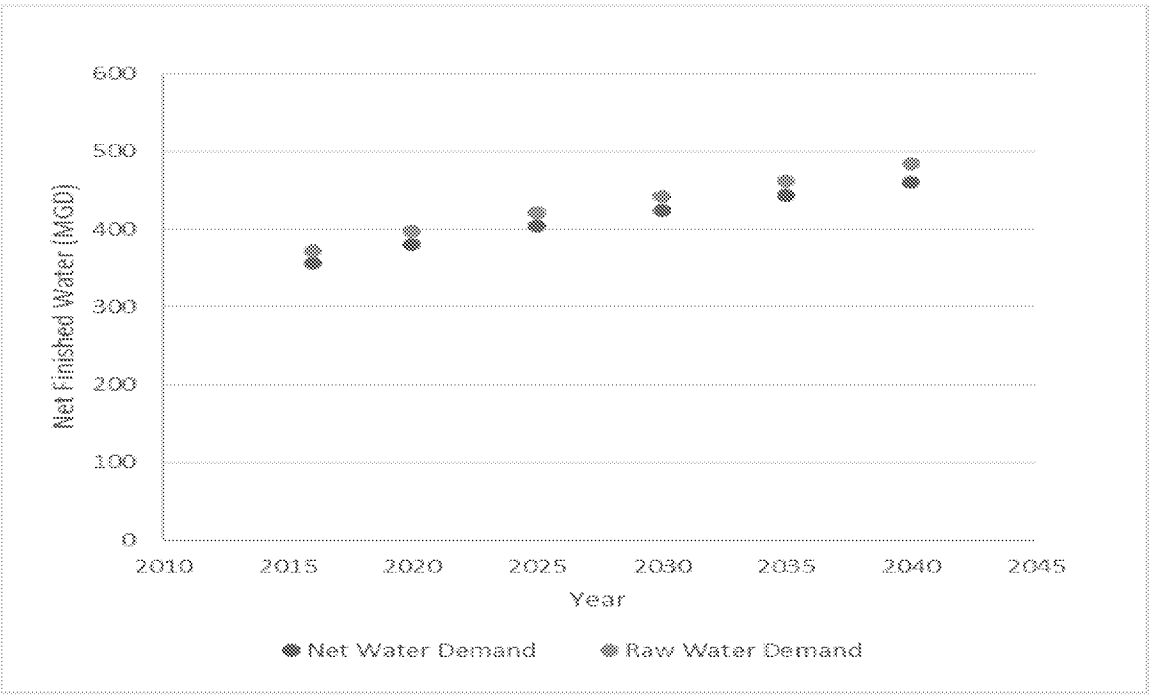

Exhibit F-2: Miami-Dade County Net and Raw Water Demand Comparison