Monitoring Station Key	
Station Type	**Station Type Description**
A	DEQ Ambient Monitoring Station
B	DEQ Biological Monitoring Station
C	DEQ Fish Tissue Monitoring Station
C2	Coastal 2000 (NCA) Probabilistic Monitoring Station
CB	Chesapeake Bay Program Monitoring Station
CB-B	Chesapeake Bay Estuarine Benthic Probabilistic Monitoring Station
CMON	Citizen Monitoring Station
CR	Citizen Requested (follow-up) Station
EPA	Environmental Protection Agency Monitoring Station
FOSR	Friends of the Shenandoah River Monitoring Station
FPM	Freshwater Probabilistic Monitoring Station
L	DEQ Lake Monitoring Station
MU	Municipal Monitoring Station
NONA	Non-DEQ agencies, industries, organizations not already listed
OWML	Occoquan Watershed Monitoring Lab Station
PFWQ	DEQ Pfiesteria Monitoring Station
SS	DEQ Special Studies Monitoring Station
TE	DEQ Tidal Embayment Monitoring Station (special study)
TM	DEQ TMDL Monitoring Station (special study)
TR	Trend Station
USFS	United States Forest Service Monitoring Station
USFW	United States Fish and Wildlife Service Monitoring Station
USGS	United States Geological Survey Monitoring Station
USPS	United States Park Service Monitoring Station
VDHB	Virginia Department of Health BEACH Monitoring Station
Ambient Monitoring Status Codes	
Status Code	**Status Code Description**
IM	Impaired
IN	Insufficient Data
IN/O	Insufficient Data with Observed Effects
O	Observed Effects
S	Supporting
Biological Monitoring Status Codes	
Status Code	**Status Code Description**
FS	Fully Supporting VSCI or CPMI
IM	Impaired for VSCI or CPMI
IN	Insufficient Data
J	Reserve Judgment / BPJ
HP	Citizen Monitoring - High Probability for Adverse Conditions (Insufficient Information but having Observed Effects)
LP	Citizen Monitoring - Low Probability for Adverse Conditions (Insufficient Information but indicating Fully Supporting)
MP	Citizen Monitoring - Medium Probability for Adverse Conditions (Insufficient Information but having Observed Effects)
UI	USFS MAIS - Impaired
UN	USFS MAIS - Not Impaired
UO	USFS MAIS - Slight Impairment (Observed Effects)
General Monitoring Status Codes	
Status Code	**Status Code Description**
NA	Not Applicable
W	Not Assessed

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE(s)	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorus			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chesapeake Bay, Atlantic Ocean and Small Coastal Basin																																					
01669520	VAP-C02R_DRN01A98	USGS	CB09	0	12	S															0	S																collocated with 3-DRN010.48 - no data since 2010 cycle
14M01	VACB-R01E-CB8	CB-B	CB47		1			1																													BIBI=3.0;sampled 7/16/2007
14M02	VACB-R01E-CB8	CB-B	CB47		1			1																													BIBI=3.33;sampled 7/16/2007
14M03	VACB-R01E-CB8	CB-B	CB47		1			1																													BIBI=3.67;sampled 7/16/2007
14M04	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.0;sampled 7/16/2007
14M05	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.67;sampled 7/16/2007
14M06	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=4.0;sampled 7/16/2007
14M07	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.33;sampled 7/16/2007
14M08	VACB-R01E-MOB	CB-B	CB20		1			1																													BIBI=3.67;sampled 7/18/2007
14M10	VACB-R01E-CB7S	CB-B	CB46		1			1																													BIBI=2.33;sampled 8/29/2007
14M11	VAP-C04E_EST02A00	CB-B	CB17		1	NA		1																													B-IBI = 1.67; subseg id MOBPHh
14M12	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.0;sampled 7/16/2007
14M13	VACB-R01E-CB6S	CB-B	CB47		1			1																													BIBI=3.33;sampled 7/18/2007
14M14	VACB-R01E-CB6N	CB-B	CB47		1			1																													BIBI=3.67;sampled 7/18/2007
14M15	VACB-R01E-CB6N	CB-B	CB47		1			1																													BIBI=2.33;sampled 7/16/2007
14M16	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.0;sampled 7/17/2007
14M17	VAT-C13E_NAN02A06	CB-B	CB42																																		BIBI=3
14M18	VACB-R01E-CB7S	CB-B	CB41		1			1																													BIBI=2.67; sampled 8/29/2009
14M19	VACB-R01E-CB7S	CB-B	CB40		1			1																													BIBI=2.67;sampled 7/17/2007
14M20	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=3.33;sampled 7/17/2007
14M21	VACB-R01E-CB7N	CB-B	CB29		1			1																													BIBI=2.0;sampled 7/17/2007
14M22	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=2.67; sampled 7/17/2010
14M23	VAT-C10E_HUN01A00	CB-B	CB36																																		BIBI=3.33
14M26	VACB-R01E-CB7S	CB-B	CB42		1			1																													BIBI=1.33; sampled 8/29/2007
14M27	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.0;sampled 7/16/2007
14M28	VACB-R01E-CB8	CB-B	CB47		1			1																													BIBI=3.0;sampled 7/16/2007
15M01	VACB-R01E-04GE	CB-B	CB47		1			1																													BIBI=4.0;sampled 9/8/2008
15M02	VACB-R01E-CB8	CB-B	CB47		1			1																													BIBI=3.33;sampled 9/8/2008
15M03	VACB-R01E-CB8	CB-B	CB47		1			1																													BIBI=2.67;sampled 9/8/2008
15M04	VACB-R01E-CB6S	CB-B	CB24		1			1																													BIBI=2.33; sampled 9/18/2008
15M05	VACB-R01E-CB6S	CB-B	CB47		1			1																													BIBI=3.67;sampled 9/8/2008
15M06	VACB-R01E-MOB	CB-B	CB21		1			1																													BIBI=2.67; sampled 9/18/2008
15M07	VACB-R01E-CB6S	CB-B	CB47		1			1																													BIBI=4.33;sampled 9/8/2008
15M08	VACB-R01E-MOB	CB-B	CB19		1			1																													BIBI=3.67; sampled 7/23/2008
15M09	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.67;sampled 9/22/2008
15M11	VACB-R01E-CB6S	CB-B	CB47		1			1																													BIBI=2.33;sampled 9/22/2008
15M12	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.33;sampled 9/22/2008
15M13	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=3.33;sampled 9/22/2008
15M14	VACB-R01E-CB7S	CB-B	CB43		1			1																													BIBI=2.67; sampled 8/6/2008
15M15	VACB-R01E-CB6N	CB-B	CB47		1			1																													BIBI=3.67;sampled 9/22/2008
15M17	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=2.0;sampled 9/8/2008
15M18	VACB-R01E-CB7N	CB-B	CB29		1			1																													BIBI=3.0;sampled 9/8/2008
15M19	VACB-R01E-CB7N	CB-B	CB40		1			1																													BIBI=2.0;sampled 9/8/2008
15M20	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=3.0;sampled 9/22/2008
15M21	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=2.67;sampled 9/22/2008
15M22	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=3.67;sampled 9/22/2008
15M23	VACB-R01E-CB7N	CB-B	CB40		1			1																													BIBI=2.33;sampled 9/8/2008
15M24	VACB-C10E-TAN	CB-B	CB29		1			1																													BIBI=3.0;sampled 9/8/2008
15M25	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=4.0;sampled 9/22/2008
15M28	VACB-R01E-CB6S	CB-B	CB47		1			1																													BIBI=3.33;sampled 9/22/2008
16M01	VACB-R01E-CB8	CB-B	CB47		1			1																													BIBI=3.67;sampled 7/20/2009
16M02	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.67;sampled 7/20/2009
16M03	VACB-R01E-CB6S	CB-B	CB47		1			1																													BIBI=4.67;sampled 7/22/2009
16M04	VACB-R01E-MOB	CB-B	CB47		1			1																													BIBI=3.67;sampled 7/22/2009
16M06	VACB-R01E-CB6S	CB-B	CB47		1			1																													BIBI=4.33;sampled 7/22/2009
16M07	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=4.67;sampled 7/20/2009
16M08	VACB-R01E-CB6S	CB-B	CB47		1			1																													BIBI=3.33;sampled 7/22/2009
16M09	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=4.0;sampled 7/20/2009
16M10	VACB-R01E-CB7S	CB-B	CB42		1			1																													BIBI=2.00; sampled 8/25/2009
16M11	VACB-R01E-CB6N	CB-B	CB47		1			1																													BIBI=3.67;sampled 7/21/2009
16M12	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=4.67;sampled 7/20/2009
16M13	VACB-R01E-CB6N	CB-B	CB47		1			1																													BIBI=3.0;sampled 7/21/2009
16M14	VACB-R01E-CB6N	CB-B	CB47		1			1																													BIBI=2.67;sampled 7/21/2009
16M15	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=3.33;sampled 7/20/2009

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE(s)	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorus			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chesapeake Bay, Atlantic Ocean and Small Coastal Basin																																					
16M16	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=4.00; sampled 8/25/2009
16M17	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=4.0;sampled 7/20/2009
16M18	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=4.33;sampled 7/20/2009
16M19	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=4.33;sampled 7/20/2009
16M20	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=4.33;sampled 7/20/2009
16M21	VACB-C10E-TAN	CB-B	CB40		1			1																													BIBI=2.67;sampled 7/20/2009
16M22	VACB-C10E-TAN	CB-B	CB28		1			1																													BIBI=3.33;sampled 7/20/2009
16M23	VACB-C10E-TAN	CB-B	CB29		1			1																													BIBI=4.33;sampled 7/20/2009
16M24	VACB-C10E-TAN	CB-B	CB37		1			1																													BIBI=4.67;sampled 7/20/2009
16M26	VAP-C03E_PNK05A02	CB-B	CB12		1	NA		1																													B-IBI = 1.67; PIAMHa
17M01	VACB-R01E-CB8	CB-B	CB47		1			1																													BIBI=3.0;sampled 7/20/2010
17M02	VACB-R01E-MOB	CB-B	CB21		1			1																													BIBI=3.5; sampled 8/11/2010
17M03	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=4.5;sampled 7/20/2010
17M04	VACB-R01E-CB6S	CB-B	CB47		1			1																													BIBI=5.0;sampled 7/20/2010
17M05	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.5;sampled 7/21/2010
17M06	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=2.5;sampled 7/21/2010
17M07	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=2.0;sampled 7/21/2010
17M08	VAP-C04E_WHI01B12	CB-B	CB12		1	NA		1																													B-IBI = 3; PIAMH-UA
17M09	VAP-C04E_STT05A10	CB-B	CB12		1	NA		1																													B-IBI = 3.5; PIAMH-UA
17M10	VAP-C04E_STT05A10	CB-B	CB12		1	NA		1																													B-IBI = 3.5; PIAMH-UA
17M12	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=3.5;sampled 7/22/2010
17M13	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=2.5;sampled 7/22/2010; low DO (1.9 mg/l)
17M14	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=3.0;sampled 7/22/2010
17M15	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=4.0;sampled 7/22/2010
17M51	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.5;sampled 7/21/2010
17M52	VACB-R01E-CB6N	CB-B	CB47		1			1																													BIBI=2.5;sampled 7/22/2010; low DO (1.5 mg/l)
17M53	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=1.0;sampled 7/22/2010
17M54	VACB-R01E-CB6S	CB-B	CB47		1			1																													BIBI=2.0;sampled 7/21/2010
17M55	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=2.5;sampled 7/22/2010
17M56	VACB-R01E-CB7S	CB-B	CB42		1			1																													BIBI=4.5; sampled 7/22/2010
17M57	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.0;sampled 7/20/2010
17M58	VACB-R01E-CB6S	CB-B	CB47		1			1																													BIBI=3.0; sampled 7/21/2010
17M59	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.0;sampled 7/20/2010
17M60	VACB-R01E-MOB	CB-B	CB20		1			1																													BIBI=3.0;sampled 7/21/2010
18M01	VAT-AO24_ATL01A12	CB-B	AO24																																		BIBI=2.67
18M02	VACB-R01E-CB8	CB-B	CB47		1			1																													BIBI=3.0;sampled 7/25/2011
18M03	VACB-R01E-CB6S	CB-B	CB47		1			1																													BIBI=4.3;sampled 7/28/2011
18M04	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=2.7;sampled 7/25/2011
18M05	VACB-R01E-CB6S	CB-B	CB47		1			1																													BIBI=3.3;sampled 7/25/2011; low DO (1.1 mg/l)
18M06	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=4.0;sampled 7/25/2011; low DO (1.9 mg/l)
18M07	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=4.0;sampled 7/25/2011
18M08	VACB-R01E-CB6N	CB-B	CB47		1			1																													BIBI=3.7;sampled 7/25/2011
18M09	VAP-C03E_PNK02A00	CB-B	CB11					1																													B-IBI = 1.33; PIAMHa
18M10	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=4.0;sampled 7/26/2011
18M11	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=4.3;sampled 7/26/2011
18M12	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.3;sampled 7/26/2011
18M13	VACB-R01E-CB6N	CB-B	CB47		1			1																													BIBI=4.3;sampled 7/26/2011
18M14	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=4.0;sampled 7/26/2011
18M15	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=3.0;sampled 7/26/2011
18M16	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=4.0;sampled 7/26/2011
18M17	VACB-R01E-CB6N	CB-B	CB47		1			1																													BIBI=1.7;sampled 7/26/2011; low DO (0.04 mg/l)
18M18	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=3.3;sampled 7/26/2011
18M19	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=2.0;sampled 7/26/2011; low DO (.1 mg/l)
18M20	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=1.7;sampled 7/26/2011; low DO (1.9 mg/l)
18M21	VACB-R01E-CB7N	CB-B	CB39					1																													BIBI=4.3; sampled 9/1/2011
18M23	VACB-C10E_TNN01A06	CB-B	CB28		1			1																													BIBI=3.7;sampled 7/26/2011
18M24	VAT-C10E_MES03A06	CB-B	CB35																																		BIBI=1.67
18M26	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=2.3;sampled 7/26/2011; low DO (2.0 mg/l)
18M27	VAT-C13E_NAN02A06	CB-B	CB42																																		BIBI=4
19M01	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=2.67;sampled 7/16/2012
19M02	VACB-R01E-CB8	CB-B	CB47		1			1																													BIBI=3.33;sampled 7/16/2012
19M03	VACB-R01E-CB8	CB-B	CB47		1			1																													BIBI=3.0;sampled 7/16/2012
19M04	VACB-R01E-CB8	CB-B	CB47		1			1																													BIBI=4.0;sampled 7/16/2012
19M05	VACB-R01E-CB8	CB-B	CB47		1			1																													BIBI=2.33;sampled 7/16/2012
19M06	VACB-R01E-CB8	CB-B	CB47		1			1																													BIBI=4.0;sampled 7/16/2012

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE(s)	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorus			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chesapeake Bay, Atlantic Ocean and Small Coastal Basin																																					
19M07	VAT-C07E_BTH02A12	CB-B	CB21																																		BIBI=3
19M09	VACB-R01E-MOB	CB-B	CB20		1			1																													BIBI=2.33;sampled 7/18/2012
19M10	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.67;sampled 7/16/2012
19M11	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=2.33;sampled 7/16/2012
19M12	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.67;sampled 7/16/2012
19M13	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=4.0;sampled 7/16/2012
19M14	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=3.67;sampled 7/16/2012
19M15	VACB-R01E-CB7S	CB-B	CB47		1			1																													BIBI=4.33;sampled 7/16/2012
19M16	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=4.33;sampled 7/17/2012
19M17	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=2.33;sampled 7/17/2012; low DO (1.4 mg/l)
19M18	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=4.33;sampled 7/16/2012
19M19	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=3.33;sampled 7/16/2012; low DO (1.9 mg/l)
19M21	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=3.67;sampled 7/16/2012
19M22	VACB-C10E-TAN	CB-B	CB40		1			1																													BIBI=3.33;sampled 9/11/2012
19M23	VACB-C10E-POC	CB-B	CB36		1			1																													BIBI=3.67; sampled 9/11/2012
19M24	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=2.0;sampled 7/16/2012; low DO (2.0 mg/l)
19M25	VACB-R01E-CB5	CB-B	CB47		1			1																													BIBI=4.0;sampled 7/16/2012
19M26	VACB-R01E-CB7N	CB-B	CB47		1			1																													BIBI=3.33;sampled 7/16/2012
1ABRI000.43	VAP-A34E_LIS02A00	C2	CB01		4	NA		4		0	4	W				0	2	W	0	IN	0	IN	0	S	0	S											1 sample event; WOE - 2009, Category 2A; HM-M scenario 2; no new data since 2012 cycle
1ALIS002.00	VAP-A34E_LIS03A98	A,TR	CB01		37	NA		37		0	37	S				0	36	S																			
1ALIS002.81	VAP-A34E_LIS02A00	C2	CB01		4	NA		4		0	4	W				0	1	W	0	IN	0	IN	0	S	0	S											One sample event; 2011 WOE category 3B LM-M scenario 8 (mod to high risk of chronic effects from sed metals & PAHs)
1ALIS004.20	VAP-A34E_LIS01A14	TM	CB01		12	NA		12		0	12	S				2	12	IM																			No new data since 2012 cycle
1ALIS005.38	VAP-A34E_LIS01A98	C2	CB01		2	NA		2		0	2	W				0	1	W	0	IN	0	IN	0	S	0	S								1			WOE - 2008: Category 3B; HM-S scenario 5; 1 sample event; no data since 2010 cycle
7ACHE004.56	VACB-R01E-CB7S	C2	CB47		1			1		0	1	S				0	1	S	0	S	0	S	0	S	0	S								1			sampled 7/20/2010; 8 vertical profile measurements for field parameters. chlorophyll = 6.8 ug/L (exceeds recommended threshold for polyhaline waters). Sediment analytes: Benzo(ghi)perylene,Benzo(e)pyrene,Indeno(1,2,3-cd)pyrene,Dibenz(a,h)anthracene,2-Methylnaphthalene,1-Methylnaphthalene, PAHs, Ar, Cd,Cr,Ni,Ag,Hg,Pb,Zn
7ACHE013.34	VACB-R01E-CB7S	C2	CB47		1			1		0	1	S				0	1	S	0	S	0	S	0	S	0	S								1			sampled 7/20/2010; 5 vertical profile measurements for field parameters. chlorophyll = 8.2 ug/l (exceeds recommended threshold for polyhaline waters).Total Hg exceeds saltwater chronic aquatic life criterion. sediment analytes: Benzo(ghi)perylene,Benzo(e)pyrene,Indeno(1,2,3-cd)pyrene,Dibenz(a,h)anthracene,2-Methylnaphthalene,1-Methylnaphthalene, PAHs, Ar, Cd,Cr,Ni,Ag,Hg,Pb,Zn
7ACHE026.06	VACB-R01E-CB6S	C2	CB47		1			1		0	1	S				0	1	S	0	S	0	S	0	S	0	S								1			sampled 7/21/2010. 12 vertical profile measurements for field parameters.chlorophyll = 13.8 ug/l (exceeds recommended threshold for polyhaline waters). Sediment analytes: Benzo(ghi)perylene,Benzo(e)pyrene,Indeno(1,2,3-cd)pyrene,Dibenz(a,h)anthracene,2-Methylnaphthalene,1-Methylnaphthalene, PAHs, Ar, Cd,Cr,Ni,Ag,Hg,Pb,Zn
7ACHE040.04	VACB-R01E-CB7N	C2	CB47		1			1		0	1	S				0	1	S	0	S	0	S	0	S	0	S								1			sampled 7/22/2010.13 vertical profile measurements for field parameters. chlorophyll = 7.2 ug/l (exceeds recommended threshold for polyhaline waters). Sediment analytes:Benzo(ghi)perylene,Benzo(e)pyrene,Indeno(1,2,3-cd)pyrene,Dibenz(a,h)anthracene,2-Methylnaphthalene,1-Methylnaphthalene, PAHs, Ar, Cd,Cr,Ni,Ag,Hg,Pb,Zn
7ACHE040.39	VACB-R01E-CB6N	C2	CB47		1			1		0	1	S				0	1	S	0	S	0	S	0	S	0	S								1			sampled 7/22/2010. 12 vertical profile measurements for field parameters.chlorophyll = 18.9 ug/l (exceeds recommended threshold for polyhaline waters). Sediment analytes:Benzo(ghi)perylene,Benzo(e)pyrene,Indeno(1,2,3-cd)pyrene,Dibenz(a,h)anthracene,2-Methylnaphthalene,1-Methylnaphthalene, PAHs, Ar, Cd,Cr,Ni,Ag,Hg,Pb,Zn
7ACHE044.14	VACB-R01E-CB5	C2	CB47		1			1		0	1	S				0	1	S	0	S	0	S	0	S	0	S								1			sampled 7/22/2010. 12 vertical profile measurements for field parameters.chlorophyll = 11.2 ug/l (exceeds recommended threshold for polyhaline e waters). Sediment analytes:Benzo(ghi)perylene,Benzo(e)pyrene,Indeno(1,2,3-cd)pyrene,Dibenz(a,h)anthracene,2-Methylnaphthalene,1-Methylnaphthalene, PAHs, Ar, Cd,Cr,Ni,Ag,Hg,Pb,Zn
7-ANT001.50	VAP-C01E_ANT02A08	A	CB05		12	NA		12		0	12	S				0	11	S																11			No new data since 2012 cycle
7-ANT002.58	VAP-C01E_ANT01A98	PFWQ	CB05		2	NA		2		0	2	S				1	2	IN			1	IN/O															chronic ammonia violation; algae bloom; juvenile menhaden kill - IR station HAB response

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE(s)	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorus			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chesapeake Bay, Atlantic Ocean and Small Coastal Basin																																					
7-ANT-A1-FCM	VAP-C01E_ANT01A98	CMON	CB05											13	NA																							Four Creek Monitors - level II E. coli
7-ANT-A2-FCM	VAP-C01E_ANT02A08	CMON	CB05											13	NA																							Four Creek Monitors - level II E. coli
7-ANT-A3-FCM	VAP-C01E_ANT02A08	CMON	CB05											13	NA																							Four Creek Monitors - level II E. coli
7-ANT-W27-CGAF	VAP-C01E_ANT02A08	CMON	CB05		6	NA		6		0	6	S																										Coast Guard Auxiliary Flotilla 33 - level III
7-ASC003.23	VAT-D01E_ASC01A06	A	AO03				1	11	S	0	11	S				1	11	S																				
7-ASC004.27	VAT-D01E_ASC01A06	C2,B	AO03				1	2	IN/O	0	2	IN				0	1	IN			0	S									J								07 C2 Benthic ProbMon
7ASC-ASSA12-ASIS	VAT-D01E_ASC01A06	NONA	AO03				1	31	S	0	35	S																										Assateague Island National Seashore Station
7ASC-ASSA8-ASIS	VAT-D01E_ASC01A06	NONA	AO03				0	108	S	0	117	S																										Assateague Island National Seashore Station
7-ASH000.46	VAP-C01E_ASH01A10	C2	CB05		3	NA		3		0	3	W				0	1	W	0	IN	0	IN	0	S	0	S									1		WOE - 2008: Category 3B; HM-S scenario 8 (possible chronic effects of sediment PAHs); 1 sample event; no data since 2010 cycle
7-ASH-D5-FCM	VAP-C01E_ASH01A10	CMON	CB05											13	NA																							Four Creek Monitors - level II E. coli
7-ASW003.36	VAT-D02E_ASW02A00	A,C	AO08				7	35	IM	0	36	S				17	36	IM			0	S					0	S	1	O							08-OE, FT_PCB Bluefish; Water Toxics = NH3
7-ASW008.88	VAT-D02R_ZZZ01A00	A,B	AO08	0	2	S	0	2	S	0	2	S																			J							VCPMI S=27.6 & F= 56.1
7-BAK001.31	VAT-C07E_BAK02A14	A	CB24					12	IM	0	12	S				1	12	S			0	S																WTOX=NH3, MOBPH
7-BAK002.15	VAT-C07E_BAK01A00	A,B	CB24					1	IM	0	1	IN				0	1	IN	0	IN	0	IN									J							08 C2 Benthic ProbMon, MOBPH, WTOX=NH3
7BBAK001.01	VAT-C07E_BAK01A00	C2,B	CB24					1	IM	0	1	IN				0	1	IN	0	S	0	S									FS							11 C2 Benthic ProbMon, WTOX=NH3, MOBPH
7BBAK002.03	VAT-C07E_BAK01A00	C2,B	CB24					1	IM	0	1	IN				0	1	IN			0	IN									J							12 C2 Benthic ProbMon, WTOX=NH3, MOBPH
7BBAK002.94	VAT-C07E_BAK01A00	C2,B	CB24					2	IM	0	2	IN				0	1	IN			0	IN									J							12 C2 Benthic ProbMon, WTOX=NH3, MOBPH
7BBCA000.27	VAT-C07E_BCK02A06	C2,B	CB21					3	IM	0	3	IN				0	1	IN	0	S	0	S									J							11 C2 Benthic ProbMon,WTOX=NH3, MOBPH
7BBEN000.65	VAT-C07E_ZZZ01A00	C2,B	CB21					2	IM	0	2	IN				0	1	IN			0	IN									FS							12 C2 Benthic ProbMon, WTOX=NH3, MOBPH
7-BBY002.88	VAT-C08E_BBY01A14	A	CB25					27	IM	0	27	S				1	27	S			0	S																WTOX=NH3, LYNPH
7BCHE025.90	VACB-R01E-MOB	C2	CB20		1			1		0	1	S				0	1	S	0	S	0	S	0	S	0	S									1		sampled 7/21/2010. 9 vertical profile measurements for field parameters.chlorophyll = 8.7 ug/l (exceeds recommended threshold for polyhaline waters). Sediment analytes:Benzo(ghi)perylene,Benzo(e)pyrene,Indeno(1,2,3-cd)pyrene,Dibenz(a,h)anthracene,2-Methylnaphthalene,1-Methylnaphthalene, PAHs, Ar, Cd,Cr,Ni,Ag,Hg,Pb,Zn
7BCSX000.14	VAT-C11E_CSX02A06	C2,B	CB39					2	IM	0	2	IN				0	1	IN			0	IN									FS							12 C2 Benthic ProbMon, WTOX=NH3, CB7PH
7BDEP000.11	VAT-C10E_DEP03A08	C2,B	CB38					2	IM	0	2	IN				0	1	IN			0	IN									FS							12 C2 Benthic ProbMon, WTOX=NH3, CB7PH
7BDYM000.01	VAP-C01E_DYM03A06	C2	CB05		1	NA		1		0	1	W				0	1	W			0	IN	0	S	0	S									1		One sample event; 2012 WOE category 3B HM-S scenario 5
7-BEN000.68	VAT-C07E_ZZZ01A00	A,B	CB21					3	IM	0	3	IN				0	1	IN	0	IN	0	IN									J							09 C2 Benthic ProbMon, WTOX=NH3, MOBPH
7BEST000.55	VAP-C04E_EST02A00	C2	CB17		2	NA		2		0	2	W				0	1	W	0	IN			0	S	0	S									1		One sample event; 2011 WOE category 3B HM-M scenario 8
7BGWR006.15	VAP-C01E_GWR02A00	C2	CB02		5	NA		5		0	5	W				0	1	W	0	IN	0	IN	0	S	0	S									1		One sample event; 2011 WOE category 3B, HM-M scenario 5
7BGWR012.24	VAP-C01E_GWR01A98	C2	CB02		1	NA		1		0	1	W				0	1	W			0	IN	0	S	0	S									1		One sample event; 2012 WOE category 3B HM-M scenario 8 (probable chronic effects of PAH & metal contamination in sed)
7BHAH002.19	VAP-C04E_HAH02A02	C2	CB18		1	NA		1		0	1	W				0	1	W			0	IN	0	S	0	S									1		One sample event; 2012 WOE category 2A PH-S scenario 3
7BHUN000.17	VAT-C10E_HUN02A06	C2,B	CB36					2	S	0	2	IN				0	1	IN	0	IN	0	IN									FS							12 C2 Benthic ProbMon,WTOX=NH3, POCMH
7BHUN000.81	VAT-C10E_HUN02A06	C2,B	CB36					2	S	0	2	IN				0	1	IN													J							11 C2 Benthic ProbMon, POCMH
7BINN001.73	VAP-C01E_GWR03A06	C2	CB04		2	NA		2		0	2	W				0	1	W	0	IN	0	IN	0	S	0	S									1		One sample event; 2011 WOE category 3B, LM-S scenario 5
7BINN001.85	VAP-C01E_GWR03A06	C2	CB04		5	NA		5		0	5	W				0	2	W	0	IN	0	IN	0	S	0	S											1 sample event; WOE - 2009, HM-S Category 2A scenario 2; previously named 7-INN001.75; no new data since 2012 cycle
7-BLA001.16	VAP-C01R_BLA01A10	B	CB02																												IN							2008 benthics
7BLKN002.31	VAT-C08E_LKN02B10	C2,B	CB25					3	IM	0	3	IN				0	1	IN	0	S											J							11 C2 Benthic ProbMon, LYNPH
7BLYN001.53	VAT-C08E_LYN01C12	C2,B	CB25					4	IM	0	4	IN				0	1	IN			0	IN									FS							12 C2 Benthic ProbMon, WTOX-NH3, LYNPH
7BLYN001.96	VAT-C08E_LYN01B10	A,B,C2	CB25					2	IM	0	2	IN				0	1	IN	0	IN	0	IN			0	S					FS							LYNPH, 10 C2 Benthic ProbMon, WTOX=NH3
7BMJB008.09	VAP-C04E_NOR02A02	C2	CB16		4	NA		4		0	4	W				0	1	W			0	IN	0	S	0	S									1		One sample event; 2012 WOE category 3B PH-S scenario 5
7-BMS002.08	VAP-C01E_BMS01A12	A,TM,SS	CB02		25	NA		25		0	25	S				4	12	IM																			previously called riverine; no E. coli data since 2012 cycle
7-BMS004.46	VAP-C01R_BMS01A98	TM	CB02	0	1	W	0	1	W	0	1	W									0	IN																No data since 2010 cycle
7-BMS005.92	VAP-C01R_BMS01A98	TM	CB02	0	1	W	0	1	W	0	1	W																										No data since 2010 cycle
7BOCN001.14	VAT-C11E_OCN02A04	C2,B	CB39					5	IM	0	5	IN				0	1	IN	0	S											FS							11 C2 Benthic ProbMon, CB7PH
7BOLD000.12	VAP-C05E_OLD01A12	C2	CB15		1	NA		1		0	1	W				0	1	W			0	IN	0	S	0	S									1		One sample event; 2012 WOE category 3B PH-S scenario 5 (possible chronic effects due to PAHs)
7BPKS000.40	VAT-C10E_POC01A08	A,B,C2	CB32					5	IM	0	5	S				1	2	IN/O	0	S	0	S			0	S					J							POCOH, 10 C2 Benthic ProbMon (two visits - 2A, 3B) DO 4C
7BPKS001.55	VAT-C10E_POC01A08	A	CB33					2	IM	0	2	IN				0	1	IN	0	S																		POCOH, DO 4C
7BPNK000.75	VAP-C03E_PNK05A02	C2	CB12		7	NA		7		0	7	W				0	1	W			0	IN	0	S	0	S									1		One sample event; 2012 WOE category 3B PH-M scenario 5
7BPNK000.76	VAP-C03E_PNK05A02	C2	CB12		6	NA		6		0	6	W				0	1	W			0	IN	0	S	0	S									1		One sample event; 2012 WOE category 2A PH-S scenario 2

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE(s)	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorus			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chesapeake Bay, Atlantic Ocean and Small Coastal Basin																																					
7BPNK003.14	VAP-C03E_PNK04A00	C2	CB11		1	NA		1		0	1	W				0	1	W	0	IN			0	S	0	S								1			One sample event; 2011 WOE category 5A HM-S scenario 8 (high potential chronic effects of sed PAH)
7BPNK020.26	VAP-C03E_PNK01A98	C2	CB10		1	NA		1		0	1	W				0	1	W	0	IN	0	IN	0	S	0	S								1			One sample event; 2011 WOE category 3B LM-M scenario 5 (mod risk of chronic effects from sed metals contamination)
7BPUN000.26	VAT-C12E_PUN02A06	C2,B	CB41					5	IM	0	5	IN				0	1	IN	0	S											FS						11 C2 Benthic ProbMon, CB7PH
7-BRE000.77	VAP-C02R_BRE01A04	A	CB08	0	12	S	3	12	IM	0	12	S	1	12	S																						No new data since 2012 cycle
7-BRE002.50	VAP-C02R_BRE01A04	SS,TM	CB08	0	13	S	2	12	IM	0	13	S																									No data since 2010 cycle
7-BRK004.14	VAT-C07E_BRK01A06	A	CB22					36	IM	0	36	S				25	36	IM																			MOBPH
7-BRN000.50	VAP-C04E_BRN01A04	PFWQ	CB12		1	NA		1		0	1	W																									supersaturated DO; brown water; no new data since 2012 cycle
7-BRS000.60	VAP-C01E_BRS01A08	C2	CB05		3	NA		3		0	3	W				0	1	W	0	S	0	S	0	S	0	S											WOE - 2008: Category 3B; PH-M scenario 5; 1 sample event; no data since 2010 cycle
7-BRS-4-14-DCA	VAP-C01E_BRS01A08	CMON	CB05		6	NA		6		0	6	S		6	NA																						Dividing Creek Association - Level 3 except E. coli
7-BRS-4-15-DCA	VAP-C01E_BRS01A08	CMON	CB05		3	NA		3		0	3	S		3	NA																						Dividing Creek Association - Level 3 except E. coli
7-BRS-4-9A-DCA	VAP-C01E_BRS01A08	CMON	CB05		26	NA		26		0	26	S		25	NA																						Dividing Creek Association - Level 3 except E. coli
7-BRS-I5-FCM	VAP-C01E_BRS01A08	CMON	CB05											13	NA																						Four Creek Monitors - level II E. coli
7BSEN000.04	VAP-C06E_SEN02A06	C2	CB19		6	NA		6		0	6	W				0	1	W	0	IN			0	S	0	S								1			One sample event; 2011 WOE category 3B PH-M scenario 5 (moderate potential chronic effects of sed metals &/or PAHs)
7BSTO000.62	VAP-C04E_STO01B14	C2	CB12		1	NA		1		0	1	W				0	1	W	0	IN	0	IN	0	S	0	S											One sample event; 2011 WOE category 3B scenario 8 (probable effects of sed PAHs)
7BSWB001.59	VAT-C07E_SWB01A08	C2,B	CB23					2	IM	0	2	IN							0	S											J						11 C2 Benthic ProbMon, MOBPH
7BTHF001.58	VAT-C10E_HUN02A06	C2,B	CB36					2	S	0	2	IN				0	1	IN			0	IN									FS						12 C2 Benthic ProbMon, WTOX=NH3, POCMH
7-BUR001.19	VAP-C04E_BUR01A00	TM	CB16		12	NA		12		0	12	S				7	12	IM																			previously called riverine; no new data since 2012 cycle
7-BUR002.92	VAP-C04R_BUR01A12	TM	CB16	0	12	S	0	12	S	0	12	S	1	12	S																						No new data since 2012 cycle
7BWCO000.66	VAP-C01E_WCO01A98	C2	CB02		3	NA		3		0	3	W				0	1	W			0	IN	0	S	0	S								1			One sample event; 2012 WOE category 3B HM-S scenario 5
7BWTT000.02	VAP-C06E_WTT01A08	C2	CB19		4	W		4		0	4	W				0	1	W	0	IN			0	S	0	S								1			One sample event; 2011 WOE category 3B PH-M scenario 8 (mod risk of chronic effects from sed metals & PAHs)
7C-AO05-10-001	VAT-AO06_ATL01A12	SS	AO06																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO05-10-033	VAT-AO06_ATL01A12	SS	AO06																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO05-10-034	VAT-AO05_ATL01B12	SS	AO05																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7C-AO05-10-050	VAT-AO05_ATL01B12	SS	AO05																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7C-AO06-10-005	VAT-AO06_ATL01A12	SS	AO06																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7C-AO06-10-017	VAT-AO06_ATL01A12	SS	AO06																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO06-10-021	VAT-AO06_ATL01A12	SS	AO06																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7C-AO06-10-037	VAT-AO06_ATL01A12	SS	AO06																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7C-AO06-10-049	VAT-AO06_ATL01A12	SS	AO06																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO07-10-013	VAT-AO07_ATL01A12	SS	AO07																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO12-10-010	VAT-AO17_ATL01A12	SS	AO17																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2B, WTOX=NH3
7C-AO12-10-022	VAT-AO12_ATL01A12	SS	AO12																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2B, WTOX=NH3
7C-AO12-10-041	VAT-AO17_ATL01A12	SS	AO17																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7C-AO12-10-073	VAT-AO12_ATL01A12	SS	AO12																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7C-AO16-10-004	VAT-AO17_ATL01A12	SS	AO17																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO16-10-015	VAT-AO16_ATL01A12	SS	AO16																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO16-10-020	VAT-AO17_ATL01A12	SS	AO17																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2B, WTOX=NH3
7C-AO17-10-002	VAT-AO17_ATL01A12	SS	AO17																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7C-AO17-10-009	VAT-AO17_ATL01A12	SS	AO17																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2B, WTOX=NH3
7C-AO17-10-025	VAT-AO17_ATL01A12	SS	AO17																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO17-10-029	VAT-AO17_ATL01A12	SS	AO17																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7C-AO17-10-031	VAT-AO17_ATL01A12	SS	AO17																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO17-10-045	VAT-AO17_ATL01A12	SS	AO17																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO17-10-047	VAT-AO17_ATL01A12	SS	AO17																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO17-10-053	VAT-AO17_ATL01A12	SS	AO17																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO17-10-059	VAT-AO17_ATL01A12	SS	AO17																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO22-10-008	VAT-AO22_ATL01A12	SS	AO22																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO22-10-024	VAT-AO22_ATL01A12	SS	AO22																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO22-10-028	VAT-AO22_ATL01A12	SS	AO22																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO22-10-036	VAT-AO22_ATL01A12	SS	AO22																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO22-10-040	VAT-AO22_ATL01A12	SS	AO22																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO22-10-056	VAT-AO22_ATL01A12	SS	AO22																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO22-10-060	VAT-AO22_ATL01A12	SS	AO22																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO22-10-072	VAT-AO22_ATL01A12	SS	AO22																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO22-10-088	VAT-AO22_ATL01A12	SS	AO22																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO23-10-087	VAT-AO24_ATL01A12	SS	AO24																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7C-AO24-10-011	VAT-AO24_ATL01A12	SS	AO24																0	IN	0	IN															10 NS OCEANIC Benthic ProbMon = 2B, WTOX=NH3

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE(s)	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorus			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chesapeake Bay, Atlantic Ocean and Small Coastal Basin																																					
7C-AO24-10-014	VAT-AO24_ATL01A12	SS	AO24																0	IN	0	IN																10 NS OCEANIC Benthic ProbMon = 2B, WTOX=NH3
7C-AO24-10-026	VAT-AO24_ATL01A12	SS	AO24																0	IN	0	IN																10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO24-10-027	VAT-AO24_ATL01A12	SS	AO24																0	IN	0	IN																10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7C-AO24-10-042	VAT-AO24_ATL01A12	SS	AO24																0	IN	0	IN																10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7C-AO24-10-066	VAT-AO24_ATL01A12	SS	AO24																0	IN	0	IN																10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7C-AO24-10-090	VAT-AO24_ATL01A12	SS	AO24																0	IN	0	IN																10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7CASG000.06	VAT-D01E_ASC01A06	C2,B	AO03				0	1	IN	0	1	IN				0	1	IN	0	S											FS							11 C2 Benthic ProbMon
7-CAV001.62	VAP-C03R_CAV01A02	A	CB10	0	10	S	0	10	S	0	10	S	2	10	IM																							No new data since 2012 cycle
7-CCH000.43	VAT-C16E_CCH01A04	A	CB46					36	IM	0	36	S				1	36	S																				CB7PH
7CCHI001.29	VAT-D01E_CHI01B08	C2,B	AO04				0	2	IN	0	2	IN				0	1	IN			0	IN									FS							12 C2 Benthic ProbMon, WTOX=NH3
7CCHT001.31	VAT-D01E_CHT01A08	C2,B	AO04				0	2	IN	0	2	IN				0	1	IN	0	S	0	S									FS							11 C2 Benthic ProbMon
7CCHT001.95	VAT-D01E_CHT01A08	C2,B	AO04				0	3	IN	0	3	IN				0	1	IN	0	S											FS							11 C2 Benthic ProbMon
7CCHT002.35	VAT-D01E_CHT01A08	C2,B	AO04				0	2	IN	0	2	IN				0	1	IN			0	IN									FS							12 C2 Benthic ProbMon, WTOX=S
7CCHT002.66	VAT-D01E_CHT01A08	C2,B	AO02				0	3	IN	0	3	IN				0	1	IN	0	IN	0	IN									FS							11 C2 Benthic ProbMon, WTOX=NH3
7CCHT003.50	VAT-D01E_CHT01A08	C2,B	AO04				0	2	IN	0	2	IN				0	1	IN			0	IN									FS							11 C2 Benthic ProbMon, WTOX=NH3
7CCHT004.53	VAT-D01E_CHT01A08	C2,B	AO02				0	3	IN	0	3	IN				0	1	IN	0	IN	0	IN									FS							11 C2 Benthic ProbMon, WTOX=NH3
7CCHT004.55	VAT-D01E_CHT01A08	C2,B	AO02				0	3	IN	0	3	IN				0	1	IN			0	IN									FS							11 C2 Benthic ProbMon, WTOX=NH3
7CCHT005.29	VAT-D01E_CHT01A08	C2,B	AO02				0	1	IN	0	1	IN				0	1	IN			0	IN									FS							12 C2 Benthic ProbMon, WTOX=NH3
7CCHT005.48	VAT-D01E_CHT01A08	C2,B	AO02				0	2	IN	0	2	IN				0	1	IN			0	IN									FS							11 C2 Benthic ProbMon, WTOX=NH3
7CCHT006.52	VAT-D01E_CHT01A08	C2,B	AO03				0	1	IN	0	1	IN				0	1	IN			0	IN									FS							12 C2 Benthic ProbMon, WTOX=NH3
7CGMI000.39	VAT-D05E_ZZZ01A00	A,B,C2	AO15				0	4	IN	0	4	IN				0	1	IN	0	IN	0	IN			0	S					J							10 C2 Benthic ProbMon, WTOX=NH3
7-CHA-D2-FCM	VAP-C01E_CHA01A08	CMON	CB05											13	NA																							Four Creek Monitors - level II E. coli
7-CHA-D3-FCM	VAP-C01E_CHA01B12	CMON	CB05											13	NA																							Four Creek Monitors - level II E. coli
7CHB-C1-CBCL	VAT-C08L_CHB01A14	CMON	CB26	2	13	IN/O				4	12	IN/O	1	13	IN/O																							Chub Lake- Non 187 , Chesapeake Beach Civic League
7CHB-C2-CBCL	VAT-C08L_CHB01A14	CMON	CB26	2	13	IN/O				6	12	IN/O	1	13	IN/O																							Chub Lake- Non 187 , Chesapeake Beach Civic League
7-CHI000.27	VAT-D01E_CHI01B08	C2,B	AO04				0	2	IN	0	2	IN				0	1	IN	0	IN	0	IN									J							08 C2 Benthic ProbMon-Unknown. Possible scouring by tidal flux at edge of channel; fine sandy substrate. Natural? WTOX=NH3
7-CHI000.77	VAT-D01E_CHI01B08	C2,B	AO04				0	1	IN	0	1	IN				0	1	IN			0	IN									J							07 C2 Benthic ProbMon-Unknown. WTOX=NH3
7-CHI003.77	VAT-D01E_CHI01A06	C	AO04																								3	O	0	S								08- OE, FT_As, Hg Dogfish, Blue Crab FT_PCBs Support
7CHI-ASSA11-ASIS	VAT-D01E_CHI01A06	NONA	AO04				0	34	S	0	35	S																										Assateague Island National Seashore Station
7-CHN000.44	VAT-D01E_CHN01A08	C2,B	AO04				0	4	IN	0	4	IN				0	1	IN	0	IN	0	IN									J							08 C2 Benthic ProbMon,WTOX=NH3
7-CHN001.30	VAT-D01E_CHN01A08	C2,B	AO04				0	3	IN	0	3	IN				0	1	IN	0	IN	0	IN									J							09 C2 Benthic ProbMon, WTOX=NH3
7-CHS000.84	VAT-C07E_CHS02B06	A,C,TR	CB21					36	IM	0	36	S				3	34	S									2	O	2	IM								08-IM FTox PCBs-08 Gizzard Shad & Croaker; OE, FT_Met-As,Pb Blue Crab, Gizzard Shad; WTOX=NHx; MOBPH
7-CHS001.88	VAT-C07E_CHS01A06	A,B	CB21					3	IM	0	3	IN				0	1	IN	0	IN	0	IN									J							09 C2 Benthic ProbMon, MOBPH, WTOX=NH3
7CHS-19-ALL	VAT-C07E_CHS01A06	CMON	CB21					213	IM	0	215	S																										MOBPH, Alliance for the Chesapeake Bay
7CHS-YC1-ALL	VAT-C07E_CHS02B06	CMON	CB21					2	IM	0	2	S		1	NA																							MOBPH, Alliance for the Chesapeake Bay
7-CHT001.11	VAT-D01E_CHT01A08	C2,B	AO02				0	1	IN	0	1	IN				0	1	IN			0	IN									FS							07 C2 Benthic ProbMon, WTOX=NH3
7-CHT001.12	VAT-D01E_CHT01A08	C2,B	AO02				0	1	IN	0	1	IN				0	1	IN	0	IN	0	IN									FS							08 C2 Benthic ProbMon, WTOX=NH3
7-CHT003.03	VAT-D01E_CHT01A08	A,B	AO02				0	2	IN	0	2	IN				0	1	IN	0	IN	0	IN									J							09 C2 Benthic ProbMon, WTOX=NH3
7-CHT003.83	VAT-D01E_CHT01A08	C2,B	AO02				0	3	IN	0	3	IN				0	1	IN	0	IN	0	IN									FS							08 C2 Benthic ProbMon, WTOX=NH3
7-CHT004.08	VAT-D01E_CHT01A08	C2,B	AO04				0	1	IN	0	1	IN				0	1	IN			0	IN									FS							07 C2 Benthic ProbMon, WTOX=NH3
7-CHT005.08	VAT-D01E_CHT01A08	A	AO02				0	1	IN	0	1	IN				0	1	IN	0	IN	0	IN																WTOX=NH3
7-CHT005.14	VAT-D01E_CHT01A08	A	AO02				0	3	IN	0	3	IN				0	1	IN	0	IN	0	IN																WTOX=NH3
7-CHT005.28	VAT-D01E_CHT01A08	C2,B	AO02				0	2	IN	0	2	IN				0	1	IN	0	IN	0	IN									FS							08 C2 Benthic ProbMon, WTOX=NH3
7-CHT005.77	VAT-D01E_CHT01A08	C2,B	AO03				0	1	IN	0	1	IN				0	1	IN			0	IN									FS							07 C2 Benthic ProbMon, WTOX=NH3
7-CHT005.84	VAT-D01E_CHT01A08	C2,B	AO02				0	1	IN	0	1	IN				0	1	IN			0	IN									FS							07 C2 Benthic ProbMon, WTOX=NH3
7-CHT006.78	VAT-D01E_CHT01A08	C2,B	AO03				0	3	IN	0	3	IN				0	1	IN	0	IN	0	IN									J							08 C2 Benthic ProbMon, WTOX=NH3
7-CHT007.19	VAT-D01E_CHT01A08	C2,B	AO03				0	2	IN	0	2	IN				0	1	IN			0	S									FS							07 C2 Benthic ProbMon, WTOX=NH3
7-CHT007.33	VAT-D01E_CHT01A08	A,B	AO03				0	2	IN	0	2	IN				0	1	IN	0	IN	0	IN									FS							09 C2 Benthic ProbMon, WTOX=NH3
7CHT-ASSA10-ASIS	VAT-D01E_CHT01A08	NONA	AO02				0	32	S	0	34	S																										Assateague Island National Seashore Station
7CHT-ASSA13-ASIS	VAT-D01E_TMC01A08	NONA	AO03				0	33	S	0	35	S																										Assateague Island National Seashore Station
7CHT-ASSA9-ASIS	VAT-D01E_CHT01A08	NONA	AO02				1	146	S	0	158	S																										Assateague Island National Seashore Station
7CLGB001.74	VAT-D03E_ZZZ01A00	C2,B	AO10				0	2	IN	0	2	IN				0	1	IN	0	S											J							11 C2 Benthic ProbMon
7CMAG006.85	VAT-D06E_MAG02A08	C2,B	AO21				0	2	IN	0	2	IN				0	1	IN	0	IN	0	IN									FS							11 C2 Benthic ProbMon, WTOX=NH3
7CMHC006.30	VAT-D06E_ZZZ01A00	C2,B	AO18				0	8	IN	0	8	IN				0	1	IN	0	IN	0	IN									J							11 C2 Benthic ProbMon, WTOX=NH3
7CMHC006.62	VAT-D06E_SSC01A12	C2,B	AO18				0	7	IN	0	7	IN				0	1	IN			0	IN									FS							12 C2 Benthic ProbMon, WTOX=NH3
7-CMS000.12	VAP-C01R_CMS01A00	A,TM,SS	CB02	0	17	S	1	17	S	2	17	IM																										No new data since 2012 cycle
7-CMS002.00	VAP-C01R_CMS01A00	SS,B	CB02	0	14	S	3	14	IM	2	14	IM	2	12	IM																	FS							2009 benthics; no new data since 2012 cycle
7-CNY000.38	VAP-C05R_CNY01A10	TM	CB14	0	12	S	1	12	S	0	12	S	0	12	S																							No new data since 2012 cycle
7-CNY002.21	VAP-C05R_CNY01A10	TM	CB14	0	12	S	5	12	IM	1	12	S	4	12	IM																							No new data since 2012 cycle
7-COB001.19	VAP-C03E_COB01A02	PFWQ	CB11		1	NA		1		0	1	W				0	1	W			0	IN																IR station - HAB response

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE(s)	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorus			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chesapeake Bay, Atlantic Ocean and Small Coastal Basin																																					
7-COC000.27	VAP-C01E_COC04A98	A,TR	CB03		37	NA		37		0	37	S		1	NA	0	37	S			0	S													36		
7-COC000.40	VAP-C01E_COC04A98	C	CB03																								1	O	1	IM								2008 FT: As 1 sp (blue crab), PCBs 4 sp (croaker, white perch, menhaden, gizzard shad)
7-COC000.86	VAP-C01E_COC04A98	TM	CB03		1	NA		1		0	1	W				0	1	W																				No data since 2010 cycle
7-COC000.88	VAP-C01E_COC04A98	TM	CB03		1	NA		1		0	1	W		1	NA	0	2	S																				No data since 2010 cycle - prev enterococci impairment
7-COC000.89	VAP-C01E_COC04A98	TM	CB03		1	NA		1		0	1	W		1	NA	0	2	S																				No data since 2010 cycle - prev enterococci impairment
7-COC000.92	VAP-C01E_COC04B10	TM	CB03		1	NA		1		0	1	W		1	NA	0	2	S																				No data since 2010 cycle - prev enterococci impairment
7-COC000.95	VAP-C01E_COC04B10	TM	CB03		1	NA		1		0	1	W		1	NA	0	2	S																				No data since 2010 cycle - prev enterococci impairment
7-COC001.61	VAP-C01E_COC01A98	A,TR	CB03		37	NA		37		0	37	S		1	NA	3	37	S																	36			Trend Station
7-COC002.14	VAP-C01E_COC01A98	C2	CB03		4	NA		4		0	4	W				0	1	W	0	IN	0	IN	0	S	0	S									1			WOE - 2008: Category 3B; HM-S scenario 8 (probable chronic effects of sediment PAHs); 1 sample event; no data since 2010 cycle
7CQSC002.02	VAT-D01E_QSC01A08	C2,B	AO04				0	6	IN	0	6	IN				0	1	IN			0	IN									J							12 C2 Benthic ProbMon, WTOX=NH3
7-CRY000.59	VAT-C08E_CRY01A00	A,TR	CB25					27	IM	0	27	S				0	27	S			0	S																WTOX=NH3, LYNPH
7-CSC005.22	VAT-C15E_ZZZ01A08	A,B,C2	CB46					2	IM	0	2	IN				0	1	IN			0	IN									J							07 C2 Benthic ProbMon, WTOX=NH3, CB7PH
7CSID003.83	VAT-D04E_ZZZ01A00	C2,B	AO13				0	7	IN	0	7	IN				0	1	IN	0	S											J							11 C2 Benthic ProbMon
7CSLP000.38	VAT-D04E_SLP01A08	C2,B	AO13				0	2	IN	0	2	IN				0	1	IN	0	S											FS							11 C2 Benthic ProbMon
7-CSX000.00	VAT-C11E_ZZZ01A00	C2,B	CB39					1	IM	0	1	IN				0	1	IN			0	IN									J							07 C2 Benthic ProbMon, WTOX=NH3, CB7PH
7CUPS001.67	VAT-D04E_UPS01A06	C2,B	AO13				0	1	IN	0	1	IN				0	1	IN			0	IN									J							12 C2 Benthic ProbMon, WTOX=NH3
7CWAI002.57	VAT-D03E_WAI01A08	C2,B	AO11				0	5	IN	0	5	IN				0	1	IN	0	S											J							11 C2 Benthic ProbMon
7D-AO25-10-016	VAT-AO25_ATL01A08	SS	AO25																0	IN	0	IN																10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7D-AO25-10-032	VAT-AO25_ATL01A08	SS	AO25																0	IN	0	IN																10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7D-AO25-10-071	VAT-AO25_ATL01A08	SS	AO25																0	IN	0	IN																10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7D-AO25-10-080	VAT-AO26_ATL01A12	SS	AO26																0	IN	0	IN																10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7D-AO26-10-007	VAT-AO26_ATL01A12	SS	AO26																0	IN	0	IN																10 NS OCEANIC Benthic ProbMon = 2A, WTOX=NH3
7D-AO26-10-023	VAT-AO26_ATL01A12	SS	AO26																0	IN	0	IN																10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7D-AO26-10-048	VAT-AO26_ATL01A12	SS	AO26																0	IN	0	IN																10 NS OCEANIC Benthic ProbMon = 3B, WTOX=NH3
7-DEP000.24	VAT-C10E_DEP03A08	A,B	CB38					3	IM	0	3	IN				0	1	IN	0	IN	0	IN									FS							09 C2 Benthic ProbMon , CB7PH, WTOX=NH3
7-DEP001.38	VAT-C10E_DEP01A06	A	CB38					11	IM	0	11	S				3	10	IM																				CB7PH
7-DGN000.85	VAP-C02R_DGN01A06	A,SS,TM	CB06	0	26	S	9	26	IM	5	26	IM	0	12	S						0	S																	No data since 2010 cycle
7-DGN003.76	VAP-C02R_DGN01A06	TM	CB06	0	13	S	8	13	IM	4	13	IM																											No data since 2010 cycle
7-DGN004.80	VAP-C02R_DGN01A06	FPM,B	CB06	0	3	S	0	3	S	1	3	IN	1	2	IN				0	S	0	S	0	S							FS							2007 & 2008 Probmon; no data since 2010 cycle
7-DGN004.99	VAP-C02R_DGN01A06	SS	CB06	0	2	S	0	2	S	2	2	IM	1	2	IN						0	S																	No data since 2010 cycle
7-DGN005.03	VAP-C02R_DGN01A06	SS	CB06	0	2	S	0	2	S	2	2	IM	1	2	IN						0	S																	No data since 2010 cycle
7-DIV-15-11-DCA	VAP-C01E_DIV01B12	CMON	CB04		8	NA		8		0	1	W																										Dividing Creek Association - Level 3 except E. coli; no new data since 2012 cycle
7-DIV-15-14-DCA	VAP-C01E_DIV01B12	CMON	CB04		37	NA		37		0	28	S		36	NA																							Dividing Creek Association - Level 3 except E. coli
GW1	VAP-C01E_BMS01A12	NONA	CB02		1	NA		1																														HRSD
HAH001.02	VAP-C04E_HAH02A02	NONA	CB18		408	NA		408		0	754	S																										VIMS ConMon - plus 0/408 instantaneous pH
LC1	VAT-C08L_LTR01A08	NONA	CB26	1	61	S	7	58	IM	0	27	S																					2	2	IM	2	2		Lake Smith pooled nutrient data: TP & Chla (2 viol / 2 obs) IM. Station LC1 is a lacustrine station but has Level II data and not used to make the IM determination for Little Creek (2011, 2012). Lake Smith pooled DO and Ph data: DO (20 viol / 126 obs) IM; Ph (6 viol / 95 obs) S . Water Toxics - NH3=S
LE3.6	VACB-R01E-CB6N	CB	CB47		685			339		0	685	S									0	S													158			29/339 DO measurements
LE3.7	VAP-C03E_PNK05A02	CB	CB12		156	NA		156		0	92	S									0	S											39			50			VECOS
MJB003.07	VACB-R01E-MOB	CB	CB20		157			157		0	157	S																											VIMS Shallow Water Monitoring Program; 5/157 DO measures
MJB004.30	VACB-R01E-MOB	CB	CB20		152			152		0	152	S																											VIMS Shallow Water Monitoring Program; 4/152 DO measures
MJB005.46	VACB-R01E-MOB	CB	CB18		324			324		0	324	S																											VIMS Shallow Water Monitoring Program; 19/324 DO measures
NOR000.63	VAP-C04E_NOR02A02	NONA	CB16		55	NA		55		0	55	S																											VIMS dataflow
POQ001.36	VAT-C07E_POQ02A06	NONA	CB21					174	IM	0	175	S																											MOBPH, VIMS
SEV003.38	VAP-C06E_SEV02A00	NONA	CB19		259	NA		258		0	258	S																											VIMS Dataflow
SM1	VAT-C08L_LAS01A08	NONA	CB26	0	59	S	4	56	IM	0	43	S																											Lake Smith pooled DO and pH data: DO (13 viol / 118 obs) IM; pH (2 viol / 107 obs) S .
VA017488	VAT-C16E_KPT01A06	VDHB	CB46													0	19	S																				Monthly Geometric Mean used for Beach Bacteria data.
VA152245	VAT-AO25_ATL01A08	VDHB	AO25													0	25	O																				Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
7-DIV-15-16-DCA	VAP-C01E_DIV01B12	CMON	CB04		44	NA		43		0	35	S		43	NA																							Dividing Creek Association - Level 3 except E. coli
7-DIV-15-17-DCA	VAP-C01E_DIV01A98	CMON	CB04		44	NA		43		0	34	S		43	NA																							Dividing Creek Association - Level 3 except E. coli
7-DIV-15-18-DCA	VAP-C01E_DIV01A98	CMON	CB04		44	NA		43		0	35	S		43	NA																							Dividing Creek Association - Level 3 except E. coli
7-DIV-15-19-DCA	VAP-C01E_DIV01A98	CMON	CB04		35	NA		35		0	35	S		35	NA																							Dividing Creek Association - Level 3 except E. coli
7-DIV-15-9-DCA	VAP-C01E_DIV03A00	CMON	CB04		25	NA		25		0	18	S		25	NA																							Dividing Creek Association - Level 3 except E. coli
7-DIV-1-DCA	VAP-C01E_DIV01A98	CMON	CB04		25	NA		22		0	24	S		27	NA																							Dividing Creek Association - Level 3 except E. coli
7-DIV-3-14-DCA	VAP-C01E_DIV03A00	CMON	CB04		17	NA		17		0	17	S		17	NA																							Dividing Creek Association - Level 3 except E. coli

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE(s)	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorus			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chesapeake Bay, Atlantic Ocean and Small Coastal Basin																																					
7-DIV-DM8-DCA	VAP-C01E_DIV03A00	CMON	CB04		7	NA		6		0	7	IN		5	NA																							Dividing Creek Association - level 3 temp and DO, level 2 pH and E. coli - no data since 2010 cycle
7-DRN003.40	VAP-C02E_DRN01A02	A,SS,TM	CB09		26	NA		25		0	26	S				1	11	S																				no new data since 2012 cycle
7-DRN010.48	VAP-C02R_DRN01A98	A,CB,B,TR,TM,SS	CB09	0	78	S	20	76	IM	4	78	S	9	36	IM						0	S									IN							2008 benthics; trend station - increasing pH
7-DRN015.51	VAP-C02R_DRN02A04	A,TM,SS	CB08	0	28	S	10	27	IM	4	28	IM	1	12	S						0	S																	No new data since 2012 cycle
7-DRN021.13	VAP-C02R_DRN02A04	FPM,B	CB06	0	2	S	0	2	S	1	2	IN	0	1	W				0	IN	0	IN	0	S								IN							2008 Probmon; no data since 2010 cycle
7-DRN024.19	VAP-C02R_DRN02A04	A,TM	CB06	0	25	S	12	25	IM	5	25	IM	1	12	S						0	S																	No new data since 2012 cycle
7-DRN030.75	VAP-C02R_DRN02A04	TM	CB06	0	13	S	6	13	IM	4	13	IM									0	S																	No data since 2010 cycle
7-DRN032.57	VAP-C02R_DRN02A04	TM	CB06	0	8	S	1	8	IN	3	8	IM																											No data since 2010 cycle
7-DYM000.00	VAP-C01E_DYM03A06	C	CB47																								2	O	1	IM								2008 FT: As 4 sp (blue crab, croaker, menhaden, spot), Hg 1 sp (blue crab), PCBs 2 sp (croaker & menhaden)
7-DYM001.79	VAP-C01E_DYM01A98	A	CB05		13	NA		13		0	13	S				1	12	S			0	S															12		No data since 2010 cycle
7-DYM003.52	VAP-C01R_DYM01A14	A,B	CB05	0	2	S	0	2	S	0	2	S																			IM							2011 benthics
7-DYM-D1-FCM	VAP-C01E_DYM01A98	CMON	CB05											12	NA																							Four Creek Monitors - level II E. coli
7-DYM-D4-FCM	VAP-C01E_DYM02A00	CMON	CB05											2	NA																							Four Creek Monitors - level II E. coli
7-EBL000.01	VAT-C08E_LYN01A06	A	CB25					27	IM	0	27	S				0	27	S			0	S																	WTOX=NH3, LYNPH
7-EBL001.15	VAT-C08E_EBL01B10	A	CB25					13	IM	0	13	S				1	13	S			0	S																	WTOX=NH3, LYNPH
7-EBL002.54	VAT-C08E_EBL01A06	A,C	CB25					26	IM	0	26	S				3	26	IM			0	S					2	O	2	IM								08-IM FTox PCBs-08 Gizzard Shad & Croaker; OE, FT_Met-As,Pb Blue Crab, Gizzard Shad; WTOX=NHx; LYNPH
7-ECC000.47	VAT-D05E_ZZZ01A00	C2,B	AO19				0	5	IN	0	5	IN				0	1	IN			0	S									J							07 C2 Benthic ProbMon, WTOX=NH3
7-EKC000.10	VAT-D05E_ZZZ01A00	C2,B	AO19				0	6	IN	0	6	IN				0	1	IN	0	IN	0	IN									J							08 C2 Benthic ProbMon,WTOX=NH3
7-EST001.32	VAP-C04E_EST02A00	C2	CB17		2	NA		2		0	2	W				0	1	W	0	IN	0	IN	0	S	0	S										1		WOE - 2008: Category 2A; PH-S scenario 5; 1 sample event; no data since 2010 cycle
7-EST002.65	VAP-C04E_EST02A00	C	CB17																								0	S	1	IM								2008 FT: metals ok, PCBs 1 sp (bluefish) - PCBs impaired in 2010 due to two additional 2003 exceedances
7-EST008.71	VAP-C04R_EST01A12	A	CB17	0	12	S	4	12	IM	8	12	IM	2	12	IM				1	O																		high salinity and conductivity readings indicate occasional tidal influence; water metals sampled 5 times 2009-2010 - selenium violated acute in 2010 (HH okay); no new data since 2012 cycle
7-EXE000.81	VAP-C02R_EXE01A06	A,TM	CB07	0	14	S	5	14	IM	1	14	S									0	S																	filamentous green algae; no data since 2010 cycle - previous pH and DO impairment
7-EXE008.44	VAP-C02R_EXE01A06	TM	CB07	0	13	S	6	13	IM	2	13	IM																											No data since 2010 cycle
7-FER000.92	VAP-C03E_FER01A98	A,TM	CB10		5	NA		5		0	5	W				1	5	W																				No data since 2010 cycle - prev Enterococci impairment; one sample event
7-FLB001.06	VAP-C01E_FLB01A00	C2	CB05		5	NA		5		0	5	W				0	1	W			0	IN	0	S	0	S										3		WOE - 2007: Category 3B; HM-S scenario 5; 1 sample event; no data since 2010 cycle
7-FLB001.88	VAP-C01E_FLB01A00	C2	CB05		5	NA		5		0	5	W				0	1	W			0	IN	0	S	0	S										3		WOE - 2007: Category 3B: HM-S scenario 5; 1 sample event; no data since 2010 cycle
7-FLL002.46	VAT-D03E_FLL02A08	A	AO10				5	36	IM	0	36	S				4	35	IM																				
7-FOX002.49	VAP-C05R_FOX01A00	A,C,TM	CB14	0	24	S	9	24	IM	0	24	S	2	23	S						0	S					0	S	0	S								2008 FT: metals ok, PCBs ok; no new data since 2012 cycle
7-FOX003.22	VAP-C05R_FOX01A00	TM	CB14	0	12	S	1	12	S	0	12	S	3	12	IM																							Horses and cattle between 7-CNY000.38 and 7-FOX003.22; no new data since 2012 cycle
7-FOX004.68	VAP-C05R_FOX01A00	TM	CB14	0	12	S	1	12	S	0	12	S	2	12	IM																							No new data since 2012 cycle
7-FOX006.56	VAP-C05R_FOX01A00	TM	CB14	0	12	S	3	12	IM	0	12	S	3	12	IM																							No new data since 2012 cycle
7-FOX-FOX1-ALL	VAP-C05R_FOX01A00	CMON	CB14	0	9	S	0	9	S	0	9	IN	1	9	IN																							ACB - no data since 2010 cycle
7-FOX-FOX2-ALL	VAP-C05R_FOX01A00	CMON	CB14	0	9	S	0	9	S	0	9	IN	0	9	IN																							ACB - no data since 2010 cycle
7-FRB001.94	VAT-D04R_FRB01A12	A,B	AO14	0	2	S	0	2	S	0	2	S																			IM							VCPMI [2010_IM: S=24.9, F=38.8]
7-GAR001.80	VAT-D03E_GAR01A04	A	AO09				6	36	IM	0	36	S				3	36	S																				
7-GAR006.01	VAT-D03R_GAR01A02	A,B	AO09	0	2	S	0	2	S	0	2	S																			IM							VCPMI [2010_IM: S=21.4, F=51.2]
7-GDN000.76	VAP-C04E_GDN01A06	C2	CB18		1	NA		1		0	1	W				0	1	W			0	IN	0	S	0	S										1		WOE - 2007: Category 3B; PH-M scenario 5; 1 sample event; no data since 2010 cycle
7-GMA000.39	VAT-D04E_ZZZ01A00	A,B	AO15				0	5	IN	0	5	IN				0	1	IN			0	IN									FS							09 C2 Benthic ProbMon, Sed Tox-OE-Lindane
7-GMA000.84	VAT-D04E_ZZZ01A00	C2,B	AO15				0	2	IN	0	2	IN									0	S									J							07 C2 Benthic ProbMon, WTOX=NH3
7-GMA007.17	VAT-D04E_ZZZ01A00	C2	AO15				0	6	IN	0	6	IN				0	1	IN	0	IN	0	IN																WTOX=NH3
7-GOO000.27	VAT-C07E_GOO01A14	A,B,C2	CB21					1	IM	0	1	IN				0	1	IN			0	IN									FS							07 C2 Benthic ProbMon; MOBPH, WTOX=NH3
7-GRS002.29	VAT-D04R_GRS01A00	A,B	AO14	0	3	S	0	3	S	0	3	S																			FS							VCPMI [2009_FS: S=27.5, F=70.6] DELIST
7-GWR001.68	VAP-C01E_GWR03A06	C2	CB02		7	NA		7		0	7	W				0	1	W	0	IN	0	IN	0	S	0	S												1 sample event; WOE - 2009, Category 3B, scenario 7; no new data since 2012 cycle
7-GWR004.70	VAP-C01E_GWR02A00	C2	CB02		8	NA		8		0	8	W				0	1	W			0	IN	0	S	1	O										3		WOE - 2007: Category 5A; HM-M scenario 8; 4,4'-DDT sed ER-M exceedance; 1 sample event; no data since 2010 cycle
7-GWR004.85	VAP-C01E_GWR02A00	A	CB02		12	NA		12		0	12	S				0	12	S																				
7-GWR007.97	VAP-C01E_GWR02A00	C	CB02																								1	O	1	IM								2008 FT: As 1 sp (spot), PCBs 2 sp (spot & gizzard shad)
7-GWR008.41	VAP-C01E_GWR01A98	C2	CB02		4	NA		4		0	4	W				0	1	W	0	IN	0	IN	0	S	0	S												1 sample event; WOE - 2009 Category 2A, HM-M scenario 2; no new data since 2012 cycle
7-GWR008.89	VAP-C01E_GWR01A98	A	CB02		13	NA		12		0	13	S				1	12	S			0	S														11		No data since 2010 cycle
7GWR-GW1-ALL	VAP-C01E_BMS01A12	CMON	CB02		77	NA		76		0	11	S																										ACB - Level 3

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE(s)	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorus			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chesapeake Bay, Atlantic Ocean and Small Coastal Basin																																					
7-GWR-GW6-ALL	VAP-C01E_GWR01A98	CMON	CB02		39	NA		39		0	39	IN																										ACB - level 3 temp and DO; level 2 pH; no new data since 2012 cycle
7-GWR-GW8-ALL	VAP-C01E_GWR02A00	CMON	CB02		7	NA		7		0	7	IN																										ACB - Level 3 temp and DO; level 2 pH - no data since 2010 cycle
7-HAH002.96	VAP-C04E_HAH03A06	A,TM	CB18		17	NA		17		0	17	S				0	17	S																12			
7-HEN-4-10-DCA	VAP-C01E_HEN01A00	CMON	CB05		19	NA		19		0	19	S		18	NA																						Dividing Creek Association - level 3 except E. coli
7-HEN-W21-CGAF	VAP-C01E_HEN02A14	CMON	CB05		4	NA		4		0	4	S																										Coast Guard Auxiliary Flotilla 33 - level 3
7-HLD002.67	VAT-C10E_HLD01A06	A	CB32					48	S	0	49	S				27	35	IM	0	S	0	S																WTOX=NH3, POCMH
7-HLM000.81	VAP-C02R_HLM01A10	TM	CB07	0	12	S	2	12	IM	2	12	IM									0	IN																No data since 2010 cycle
7-HLT002.08	VAT-D05R_HLT01A04	A	AO15	0	5	S	0	5	S	0	5	S	2	5	IN/O																							
7-HRB000.54	VAP-C01E_HRB01A12	SS	CB02		12	NA		12		0	12	S				7	12	IM																				No new data since 2012 cycle
7-HRP001.15	VAP-C03E_HRP01A98	A	CB10		10	NA		10		0	10	S				7	10	IM																				No data since 2010 cycle
7-HUG001.24	VAT-C14E_HUG02A00	A	CB45					36	IM	0	36	S				1	36	S																				CB7PH
7-HUN001.88	VAT-C10E_HUN01A00	A	CB36					34	S	0	34	S				11	36	IM																				POCMH
7-IND001.80	VAP-C01E_IND01D14	C	CB05																								1	O	1	O								2008 FT: As 3 sp (blue crab, croaker, spot), PCBs 1 sp (gizzard shad) - PCBs impaired in 2010 due to additional 2003 exceedance
7-IND002.26	VAP-C01E_IND01A98	A,TR	CB05		37	NA		37		0	37	S				4	36	IM																36			
7-IND-I1-FCM	VAP-C01E_IND01A98	CMON	CB05											13	NA																						Four Creek Monitors - level II E. coli
7-IND-I2-FCM	VAP-C01E_IND01C10	CMON	CB05											13	NA																						Four Creek Monitors - level II E. coli
7-IND-I3-FCM	VAP-C01E_IND01C10	CMON	CB05											13	NA																						Four Creek Monitors - level II E. coli
7-IND-I4-FCM	VAP-C01E_IND03A00	CMON	CB05											13	NA																						Four Creek Monitors - level II E. coli
7-IND-W22-CGAF	VAP-C01E_IND03A00	CMON	CB05		8	NA		8		0	8	S																										Coast Guard Auxiliary Flotilla 33 - level III
7-IND-W23-CGAF	VAP-C01E_IND03A00	CMON	CB05		8	NA		8		0	8	S																										Coast Guard Auxiliary Flotilla 33 - level III
7-IND-W24-CGAF	VAP-C01E_IND01C10	CMON	CB05		8	NA		8		0	8	S																										Coast Guard Auxiliary Flotilla 33 - level III
7-JAR-15-3A-DCA	VAP-C01E_JAR02A10	CMON	CB04		36	NA		35		0	36	S		35	NA																						Dividing Creek Association - level 3 except E. coli
7-JAR-15-3B-DCA	VAP-C01E_JAR01B08	CMON	CB04		45	NA		43		1	36	S		44	NA																						Dividing Creek Association - level 3 except E. coli
7-JAR-15-3-DCA	VAP-C01E_JAR02A10	CMON	CB04		43	NA		41		0	33	S		41	NA																						Dividing Creek Association - level 3 except E. coli
7-JAR-15-4A-DCA	VAP-C01E_JAR01A02	CMON	CB04		45	NA		44		0	36	S		44	NA																						Dividing Creek Association - level 3 except E. coli
7-JOH-D6-FCM	VAP-C01E_JOH01A06	CMON	CB05											11	NA																						Four Creek Monitors - level II E. coli
7-KNS000.40	VAT-C15E_KNS03A08	A	CB46					36	IM	0	36	S				2	35	S																				CB7PH
7-LAE000.20	VAT-D07E_LAE01A06	A	AO23				0	7	S	0	7	S				0	7	S																				
7-LAI000.04	VAT-D07E_LAI02A06	A	AO23				0	7	S	0	7	S				0	7	S																				
7-LAI000.18	VAT-D07E_LAI02A06	A	AO23				0	7	S	0	7	S				1	7	O																				
7-LAI000.56	VAT-D07E_LAI01A06	A	AO23				0	7	S	0	7	S				0	7	S																				
7LAJ-J1-CBCL	VAT-C08L_LAJ01A14	CMON	CB25	0	17	IN				5	17	IN/O	0	17	IN																						Lake Joyce- Non 187 , Chesapeake Beach Civic League
7LAJ-J2-CBCL	VAT-C08L_LAJ01A14	CMON	CB25	0	17	IN				1	17	IN/O	1	17	IN/O																						Lake Joyce- Non 187 , Chesapeake Beach Civic League
7LAJ-J3-CBCL	VAT-C08L_LAJ01A14	CMON	CB25	0	16	IN				3	16	IN/O	0	16	IN																						Lake Joyce- Non 187 , Chesapeake Beach Civic League
7LAJ-J4-CBCL	VAT-C08L_LAJ01A14	CMON	CB25	0	16	IN				6	16	IN/O	0	16	IN																						Lake Joyce- Non 187 , Chesapeake Beach Civic League
7LAJ-J5-CBCL	VAT-C08L_LAJ01A14	CMON	CB25	0	16	IN				5	16	IN/O	0	16	IN																						Lake Joyce- Non 187 , Chesapeake Beach Civic League
7-LAS000.06	VAT-C08L_LAS01A08	L	CB26	0	35	S	5	35	IM	1	35	S	0	14	S						0	S											2	2	IM	2	2		Lake Smith pooled nutrient data: TP & Chla (2 viol / 2 obs) IM, 2008, 2011. Lake Smith pooled DO and Ph data: DO (13 viol / 118 obs) IM; Ph (2 viol / 107 obs) S . Water Toxics - NH3=S
7-LAS001.03	VAT-C08L_LAS01A08	L	CB26	0	29	S	4	27	IM	1	29	S	2	13	S						0	S																Lake Smith pooled DO and pH data: DO (13 viol / 118 obs) IM; pH (2 viol / 107 obs) S . Water Toxics - NH3=S
7-LAW000.04	VAT-C08L_LAW01A08	L	CB26	0	41	S	6	41	IM	1	41	S	0	13	S						0	S											2	2	IM	2	2		Lake Whitehurst pooled nutrient data: TP & Chla (2 viol / 2 obs) IM, 2008, 2011. Lake Whitehurst pooled DO and Ph data: DO (28 viol / 259 obs) IM; Ph (4 viol /219 obs) S . Water Toxics - NH3=S
7-LAW001.00	VAT-C08L_LAW01A08	C	CB26																										13	IM								08-IM, FT_PCBs Largemouth Bass, Bluegill Sunfish, Carp, Walleye & benzo (b & k), PAH Carp
7-LAW001.24	VAT-C08L_LAW01A08	L	CB26	0	29	S	9	29	IM	0	29	S	1	13	S						0	S																Lake Whitehurst pooled DO and pH data: DO (28 viol / 259 obs) IM; pH (4 viol /219 obs) S . Water Toxics - NH3=S
7-LGB001.30	VAT-D03E_ZZZ01A00	C2,B	AO10				0	5	IN	0	5	IN				0	1	IN	0	IN	0	IN									FS							08 C2 Benthic ProbMon, WTOX=NH3
7-LIT000.63	VAT-C08E_LCC01A08	C	CB26																								1	O	3	IM								08-IM FTox_PCB Croaker, Spot, Gizzard Shad, Blue Crab; FT_Met-OE As Croaker
7LKB-B2-CBCL	VAT-C08L_LKB01A14	CMON	CB26	0	8	IN				4	9	IN/O	1	9	IN/O																						Lake Bradford- Non 187 , Chesapeake Beach Civic League
7LKB-B4-CBCL	VAT-C08L_LKB01A14	CMON	CB26	0	8	IN				4	9	IN/O	1	9	IN/O																						Lake Bradford- Non 187 , Chesapeake Beach Civic League
7LKB-B5-CBCL	VAT-C08L_LKB01A14	CMON	CB26	0	8	IN				3	9	IN/O	1	9	IN/O																						Lake Bradford- Non 187 , Chesapeake Beach Civic League
7LKB-B6-CBCL	VAT-C08L_LKB01A14	CMON	CB26	0	8	IN				3	9	IN/O	1	9	IN/O																						Lake Bradford- Non 187 , Chesapeake Beach Civic League
7-LKN001.19	VAT-C08E_LKN02A10	A,TR	CB25					13	IM	0	13	S				0	13	S			0	S																WTOX=NH3, LYNPH

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE(s)	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorus			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chesapeake Bay, Atlantic Ocean and Small Coastal Basin																																					
7-LKN002.22	VAT-C08E_LKN02A10	A,B	CB25					5	IM	0	5	IN				0	1	IN	0	IN	0	IN									J							09 C2 Benthic ProbMon, LYNPH
7-LKN002.77	VAT-C08E_LKN01A00	A,C	CB25					27	IM	0	27	S				0	27	S			0	S					2	O	2	IM								08-IM FTox PCBs Spot, Gizzard Shad; WTOX=NHx, LYNPH, WTOX=NH3
7-LMB000.57	VAT-C10R_ZZZ01A00	A,B	CB36	0	2	S	0	2	S	0	2	S																			J							VCPMI [2011_J: S=28.4, F=36.3]
7-LNC000.68	VAT-C08E_LNC02A12	A	CB25					27	IM	0	27	S				0	27	S			0	S																WTOX=NH3, LYNPH
7-LOB001.79	VAT-C08E_LOB01A00	A,TR	CB25					36	IM	0	36	S				25	34	IM			0	S																WTOX=NH3, LYNPH
7-LRC-15-12-DCA	VAP-C01E_LRC01A12	CMON	CB04		27	NA		27		0	20	S		25	NA																						Dividing Creek Association - Level 3 except E. coli
7-LRC-15-13A-DCA	VAP-C01E_LRC01A12	CMON	CB04		14	NA		14		0	14	S		13	NA																						Dividing Creek Association - Level 3 except E. coli
7-LRC-15-13B-DCA	VAP-C01E_LRC01A12	CMON	CB04		31	NA		31		0	31	S		30	NA																						Dividing Creek Association - Level 3 except E. coli
7-LRC-15-13-DCA	VAP-C01E_LRC01A12	CMON	CB04		28	NA		28		0	28	S		28	NA																						Dividing Creek Association - Level 3 except E. coli
7-LRC-4-DCA	VAP-C01R_ZZZ01C14	CMON	CB04										0	1	W																						Dividing Creek Association - level 2; no new data since 2012 cycle
7-LRC-5-DCA	VAP-C01R_ZZZ01C14	CMON	CB04										1	1	W																						Dividing Creek Association - level 2; no new data since 2012 cycle
7-LTM000.80	VAT-D01E_LTM02A04	A,C	AO04				6	35	IM	0	35	S				11	36	IM									8	O	0	S								08-OE, FT_Met-As Spot, Sea Bass, Blue Crab, Oyster; OE-Pb Mummichog
7-LTR000.04	VAT-C08L_LTR01A08	L	CB26	0	39	S	8	39	IM	5	39	S	0	13	S						0	S										2	2	IM	2	2		Lake Smith pooled nutrient data: TP & Chla (2 viol / 2 obs) IM, 2008, 2011. Lake Smith pooled DO and pH data: DO (20 viol / 126 obs) IM; Ph (6 viol / 95 obs) S . Water Toxics - NH3=S
7-LTR000.50	VAT-C08L_LTR01A08	C	CB26																								1	O	13	IM								08-IM FT_PCB Largemouth Bass, Catfish, Carp, Gizzard Shad; 08-FT_Met As OE, Sediment Metals Cu exceedence (5/3)
7-LTR000.95	VAT-C08L_LTR01A08	L	CB26	0	29	S	5	29	IM	1	29	S	1	13	S						0	S																Lake Smith pooled DO and pH data: DO (20 viol / 126 obs) IM; pH (6 viol / 95 obs) S . Water Toxics - NH3=S
7-LYN000.03	VAT-C08E_LYN01A06	A,TR	CB25					14	IM	0	14	S				1	13	S			0	S																WTOX=NH3, LYNPH
7-LYN001.50	VAT-C08E_LYN01C12	C2,B	CB25					1	IM	0	1	IN				0	1	IN	0	IN	0	IN									J							07 C2 Benthic ProbMon, WTOX=NH3, LYNPH
7LYO-13-PCE	VAT-C07E_LYO01A06	CMON	CB21							0	2	S		2	NA																						Poquoson Citizens for the Environment, Ecoli data not applicable to estuarine
7LYO-6.1-PCE	VAT-C07R_ZZZ01B14	CMON	CB21							0	20	S		20	IN																						Poquoson Citizens for the Environment, Ecoli data insufficient based on Level II Citizen data
7LYO-6.2-PCE	VAT-C07R_ZZZ01B14	CMON	CB21							0	8	S		8	IN																						Poquoson Citizens for the Environment, Ecoli data insufficient based on Level II Citizen data
7LYO-6.3-PCE	VAT-C07R_ZZZ01B14	CMON	CB21							0	4	S		4	IN																						Poquoson Citizens for the Environment, Ecoli data insufficient based on Level II Citizen data
7LYO-6.6-PCE	VAT-C07R_ZZZ01B14	CMON	CB21							0	4	S		4	IN																						Poquoson Citizens for the Environment, Ecoli data insufficient based on Level II Citizen data
7LYO-6.7-PCE	VAT-C07R_ZZZ01B14	CMON	CB21							0	2	S		2	IN																						Poquoson Citizens for the Environment, Ecoli data insufficient based on Level II Citizen data
7LYO-6B-PCE	VAT-C07R_ZZZ01B14	CMON	CB21							1	3	O		3	IN																						Poquoson Citizens for the Environment, Ecoli data insufficient based on Level II Citizen data
7LYO-6d-PCE	VAT-C07R_ZZZ01B14	CMON	CB21							0	2	S		1	IN																						Poquoson Citizens for the Environment, Ecoli data insufficient based on Level II Citizen data
7LYO-6-PCE	VAT-C07E_LYO01A06	CMON	CB21							0	54	S		54	NA	10	35	IM																			Poquoson Citizens for the Environment, Ecoli data not applicable to estuarine
7LYO-7-PCE	VAT-C07E_LYO01A06	CMON	CB21							0	5	S		5	NA																						Poquoson Citizens for the Environment, Ecoli data not applicable to estuarine
7LYO-8-PCE	VAT-C07E_LYO01A06	CMON	CB21							0	4	S		4	NA																						Poquoson Citizens for the Environment, Ecoli data not applicable to estuarine
7-MAC000.42	VAT-D04E_ZZZ01A00	C2,B	AO14				0	5	IN	0	5	IN				0	1	IN			0	S									FS							09 C2 Benthic ProbMon, WTOX=NH3
7-MAG002.87	VAT-D06E_MAG02A08	C2,B	AO21				0	2	IN	0	2	IN				0	1	IN	0	IN	0	IN									FS							09 C2 Benthic ProbMon, WTOX=NH3
7-MAG003.03	VAT-D06E_MAG02A08	C2,B	AO21				0	8	IN	0	8	IN				0	2	IN	0	IN	0	IN									FS							08 C2 Benthic ProbMon, WTOX=NH3
7-MAG003.48	VAT-D06E_MAG02A08	C2,B	AO21				0	1	IN	0	1	IN				0	1	IN			0	IN									FS							07 C2 Benthic ProbMon, WTOX=NH3
7-MAG003.58	VAT-D06E_MAG02A08	C2,B	AO21				0	1	IN	0	1	IN				0	1	IN	0	IN	0	IN									FS							08 C2 Benthic ProbMon, WTOX=NH3
7-MAG004.06	VAT-D06E_MAG01A04	A	AO21				2	5	O	0	5	S				1	5	O																				
7-MAG005.52	VAT-D06E_MAG02A08	C2,B	AO21				0	2	IN	0	2	IN							0	S											FS							09 C2 Benthic ProbMon
7-MAG005.60	VAT-D06E_MAG02A08	C2,B	AO21				0	2	IN	0	2	IN				0	1	IN	0	S											FS							09 C2 Benthic ProbMon
7-MCR002.00	VAT-D06R_MCR01A00	A	AO21	0	10	S	7	10	IM	3	10	IM	1	10	S																						
7-MES001.34	VAT-C10E_MES03A06	A	CB35					5	S	0	5	S				1	5	O																				POCMH
7-MES006.92	VAT-C10E_MES01A06	A	CB35					3	S	0	4	S																										POCMH
7-MIL004.00	VAP-C01E_MIL01A98	A,PFWQ	CB04		13	NA		13		0	13	S				5	12	IM			0	S														12		No data since 2010 cycle
7-MIL005.19	VAP-C01E_MIL01A98	A	CB04		12	NA		12		0	12	S				5	12	IM																				Previously called riverine; tidal during high tide; no new data since 2012 cycle
7-MLF000.52	VAP-C04E_MLF03A00	C2	CB12		1	NA		1		0	1	W				0	1	W	0	IN	0	IN	0	S	0	S									1		WOE - 2009; Category 2A; HM-S scenario 2; no new data since 2012 cycle
7-MLF002.40	VAP-C04E_MLF03A00	A,TR	CB12		36	NA		36		1	36	S				1	35	S																	35		
7-MLF002.45	VAP-C04E_MLF03A00	C	CB12																								1	O	1	O								2008 FT: As 3 sp (blue crab, croaker, spot), PCBs 1 sp (gizzard shad)
7-MLF003.45	VAP-C04E_MLF04A06	C2	CB12		3	NA		3		0	3	W				0	1	W			0	IN	0	S	0	S									3		WOE - 2007: Category 3B; PH-S scenario 5; 1 sample event; no data since 2010 cycle
7-MLF004.23	VAP-C04E_MLF04A06	C2	CB12		7	NA		7		0	7	W				0	1	W	0	IN	0	IN	0	S	0	S									3		1 sample event; WOE - 2009 category 3B, HM-M scenario 5; no new data since 2012 cycle

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE(s)	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorus			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chesapeake Bay, Atlantic Ocean and Small Coastal Basin																																					
7-MLF004.45	VAP-C04E_MLF04A06	C2	CB12		5	NA		5		0	5	W				0	1	W	0	IN	0	IN	0	S	0	S								1			WOE - 2008: Category 3B; HM-M scenario 8 (probably chronic effects from sediment PAHs, metals); 1 sample event; no data since 2010 cycle
7-MTL000.20	VAT-C08L_MTL01A06	C	CB25																								7	IM	11	IM								08-IM, FT_PCB Largemouth Bass, Perch, Carp, Gizzard Shad, Walleye; 08-IM, FT_Met-Hg Largemouth Bass, Perch
7-MUD000.20	VAT-C10E_MUD03A08	A,B	CB36					1	S	0	1	IN				0	1	IN	0	IN	0	IN									FS						09 C2 Benthic ProbMon, WTOX=NH3,POCMH
7-NAN001.09	VAT-C13E_NAN02A06	A,B	CB42					2	IM	0	2	IN				0	1	IN	0	IN	0	IN									J						09 C2 Benthic ProbMon, WTOX=NH3, CB7PH
7-NCB000.97	VAT-D06R_NCB01A04	A,B	AO18	0	6	S	2	6	IM	1	6	O	3	5	IM																							benthic data collected in 2001
7-NEW001.92	VAT-C07E_NEW02A02	A	CB23					36	IM	0	36	S				11	35	IM																				MOBPH
7-NEW008.63	VAT-C07R_ZZZ01C14	C	CB23																								0	S	0	S								08-FTox,08 Fmet
7-NOR002.89	VAP-C04E_NOR02A02	C2	CB16		4	NA		4		0	4	W				0	1	W	0	IN	0	IN	0	S	0	S								1			WOE - 2008: Category 3B; PH-S scenario 5; 1 sample event; no data since 2010 cycle
7-NOR003.65	VAP-C04E_NOR02A02	C	CB16																								0	S	0	S								2008 FT: metals ok, PCBs ok - impaired due to PCBs in 2003
7-NOR006.34	VAP-C04E_NOR02A02	C2	CB16		3	NA		3		0	3	W				0	1	W			0	IN	0	S	0	S								3			WOE - 2007: Category 3B: PH-S scenario 5; 1 sample event; no data since 2010 cycle
7-NOR006.38	VAP-C04E_NOR02A02	A	CB16		12	NA		12		0	12	S				0	12	S			0	S												11			No data since 2010 cycle
7-NPC-15-16A-DCA	VAP-C01E_DIV01A98	CMON	CB04		35	NA		34		0	35	S		35	NA																							Dividing Creek Association - Level 3 except E. coli
7-NSS001.62	VAT-C13E_NSS02A06	A	CB44					36	IM	0	36	S				6	36	IM																				CB7PH
7-NWB000.69	VAT-C07E_NWB02A06	C	CB22																								2	O	3	IM								08-IM FTox PCBs Gizzard Shad, Oyster & Blue Crab; OE, FMet-As,Pb Croaker, Blue Crab
7-NWB002.18	VAT-C07E_NWB01B08	A,B	CB22					1	IM	0	1	IN				0	1	IN	0	IN	0	IN									IM						08 C2 Benthic ProbMon, MOBPH, WTOX=NH3
7-OCH003.49	VAT-C13E_OCH02A06	A,B,C2	CB43					3	IM	0	3	S				0	1	IN			0	S									J						07 C2 Benthic ProbMon, CB7PH, WTOX=NH3
7-OCH003.82	VAT-C13E_OCH02A06	A	CB43					36	IM	0	36	S				1	36	S																				CB7PH
7-OCN004.96	VAT-C11E_OCN01A04	A	CB39					11	IM	0	11	S				6	11	IM																				CB7PH
7-OHC-15-10B-DCA	VAP-C01E_OHC01A08	CMON	CB04		31	NA		31		0	31	S		31	NA																							Dividing Creek Association - level 3 except E. coli
7-OLD000.56	VAP-C05E_OLD01A12	C2	CB15		1	NA		1		0	1	W				0	2	W	0	IN	0	IN	0	S	0	S								2			1 sample event; WOE - 2009; Category 2A, PH-M scenario 5; no new data since 2012 cycle
7-OSS000.20	VAT-D05E_OSS01A00	C	AO18																								8	IM	0	S								08-IM, FT_Met-Hg Sandbar Shark; 08-OE-Pb Oyster; 08 PCB Support
7-OWL000.01	VAT-D07E_OWL02A02	A	AO23				1	7	O	0	7	S				1	6	O																				
7-OWL000.77	VAT-D07E_OWL01A02	A,C	AO23				2	7	IM	0	7	S				2	7	IM									1	O	0	S								08-OE, FT_Met-As Oyster, Water Toxics = NH3
7-OWP000.00	VAP-C01E_OWP01A98	PFWQ	CB03		1	NA		1		0	1	W				1	1	W			1	IN/O																No new data since 2012 cycle
7-OWP000.46	VAP-C01E_OWP02C12	PFWQ	CB03		1	NA		1		0	1	W									1	IN/O																No new data since 2012 cycle
7-PAR003.09	VAT-D03R_PAR01A00	A,B	AO10	0	39	S	0	39	S	0	39	S	27	36	IM						0	S									IM						VCPMI [2012_IM: S=8.0, F=14.4] WTOX=NH3
7-PAR004.35	VAT-D03R_PAR01A00	A,B	AO10	0	5	S	0	5	S	0	5	S	0	2	S				0	S	0	S	0	S							IM						VCPMI [2012_IM: S=13.2, F=31.2] WTOX=NH3
7-PET000.80	VAT-D02R_PET01A00	A,B	AO08	0	51	S	1	50	S	0	51	S	26	39	IM						0	S									IM						VCPMI [2010_IM: S=9.0, F=20.2] WTOX=NH3
7-PKS001.46	VAT-C10E_POC01B08	A,B,C2	CB33					1	IM	0	1	IN				0	1	IN			0	IN									J						07 C2 Benthic ProbMon, WTOX=NH3, POCOH ,DO 4C
7PLH-P1-CBCL	VAT-C08L_PLH01A14	CMON	CB26	2	12	IN/O				5	12	IN/O	1	12	IN/O																							Pleasure House Lake- Non 187 , Chesapeake Beach Civic League
7PLH-P2-CBCL	VAT-C08L_PLH01A14	CMON	CB26	2	12	IN/O				7	12	IN/O	1	12	IN/O																							Pleasure House Lake- Non 187 , Chesapeake Beach Civic League
7PLH-PHP-CBCL	VAT-C08L_PLH01A14	CMON	CB26	1	12	IN/O				7	12	IN/O	1	12	IN/O																							Pleasure House Lake- Non 187 , Chesapeake Beach Civic League
7-PMC000.00	VAT-C11E_ZZZ01A00	C2,B	CB39					3	IM	0	3	IN				0	1	IN	0	IN	0	IN									J						08 C2 Benthic ProbMon, WTOX=NH3, CB7PH
7-PNF001.98	VAT-D03R_PNF01A14	A,B	AO10	0	2	S	1	2	O	0	2	S																			J						VCPMI [2011_J: S=39.4, F=10.0]
7-PNK003.72	VAP-C03E_PNK04C06	C2	CB11		7	NA		7		0	7	W				0	1	W	0	IN	0	IN	0	S	0	S								3			1 sample event; ; WOE - 2009: Category 3B; HM-M scenario 5; no new data since 2012 cycle
7-PNK005.78	VAP-C03E_PNK03A00	A	CB11		12	NA		12		0	12	S				1	12	S			0	S												11			No data since 2010 cycle
7-PNK010.29	VAP-C03E_PNK02B08	C2	CB10		5	NA		5		0	5	W				0	1	W			0	S	0	S	0	S								3			WOE - 2007: Category 3B; HM-S scenario 5; 1 sample event; no data since 2010 cycle
7-PNK010.39	VAP-C03E_PNK02B08	A	CB10		12	NA		12		0	12	S				4	12	IM																				
7-PNK014.33	VAP-C03E_PNK01B14	A	CB10		12	NA		12		0	12	S				1	12	S																	11			No new data since 2012 cycle
7-PNK019.85	VAP-C03E_PNK01A98	C	CB10																								1	O	1	IM								2008 FT: pest ok, As 2 sp (croaker, longnose gar), PCBs 2 sp (croaker & gizzard shad)
7-PNK-129-ALL	VAP-C03E_PNK02A00	CMON	CB10		4	NA		4		0	5	IN																										ACB - level 3 temp and DO - level 2 pH - no data since 2010 cycle
7-PNK-DR-ALL	VAP-C03E_PNK01A98	CMON	CB10		34	NA		23		0	30	S																										ACB - Level 3 temp and some pH & DO
7-PNT-15-6-DCA	VAP-C01E_PNT02A02	CMON	CB04		11	NA		11		0	2	S		11	NA																							Dividing Creek Association - level 3 except E. coli; no new data since 2012 cycle
7-PNT-15-7B-DCA	VAP-C01E_PNT02A02	CMON	CB04		10	NA		10		0	10	S		9	NA																							Dividing Creek Association - level 3 except E. coli; no new data since 2012 cycle
7-PNT-15-7-DCA	VAP-C01E_PNT02A02	CMON	CB04		8	NA		8		0	8	S		8	NA																							Dividing Creek Association - level 3 except E. coli
7-PNT-15-8B-DCA	VAP-C01E_PNT03A02	CMON	CB04		11	NA		11		0	11	S		10	NA																							Dividing Creek Association - level 3 except E. coli; no new data since 2012 cycle
7-PNT-15-8-DCA	VAP-C01E_PNT02A02	CMON	CB04		10	NA		9		0	9	IN		8	NA																							Dividing Creek Association - temp and DO level 3; pH and E. coli level 2 - no data since 2010 cycle
7-PNT-3-10-DCA	VAP-C01E_PNT03A02	CMON	CB04		17	NA		16		0	17	S		17	NA																							Dividing Creek Association - level 3 except E. coli; prev 10A
7-PNT-3-11-DCA	VAP-C01E_PNT03A02	CMON	CB04		25	NA		25		0	25	S		25	NA																							Dividing Creek Association - level 3 except E. coli

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE(s)	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorus			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chesapeake Bay, Atlantic Ocean and Small Coastal Basin																																					
7-PNT-3-15-DCA	VAP-C01E_PNT02A02	CMON	CB04		25	NA		25		1	25	S		25	NA																						Dividing Creek Association - level 3 except E. coli
7-PNT-3-16-DCA	VAP-C01E_PNT02A02	CMON	CB04		17	NA		17		0	17	S		17	NA																						Dividing Creek Association - level 3 except E. coli
7-PNT-3-8-DCA	VAP-C01E_PNT03A02	CMON	CB04		4	NA		3		0	4	S		5	NA																						Dividing Creek Association - level 3 except E. coli; no new data since 2012 cycle
7-PNT-3-9-DCA	VAP-C01E_PNT03A02	CMON	CB04		30	NA		30		0	30	S		31	NA																						Dividing Creek Association - level 3 except E. coli
7-PNT-4-12-DCA	VAP-C01E_PNT02B10	CMON	CB04		19	NA		19		0	19	S		18	NA																						Dividing Creek Association - level 3 except E. coli
7-PNT-4-6A-DCA	VAP-C01E_PNT02A02	CMON	CB04		34	NA		34		0	34	S		33	NA																						Dividing Creek Association - level 3 except E. coli
7-PNT-4-7A-DCA	VAP-C01E_PNT02A02	CMON	CB04		35	NA		35		0	26	S		33	NA																						Dividing Creek Association - level 3 except E. coli
7-PNT-4-8A-DCA	VAP-C01E_PNT02A02	CMON	CB04		25	NA		25		0	24	S		24	NA																						Dividing Creek Association - level 3 except E. coli
7-PNT-4-8C-DCA	VAP-C01E_PNT02A02	CMON	CB04		1	NA		1		0	1	W		1	NA																						Dividing Creek Association - level 3 except E. coli; no new data since 2012 cycle
7-PNT-7-DCA	VAP-C01R_ZZZ01C14	CMON	CB04										1	1	W																						Dividing Creek Association - level 2; no new data since 2012 cycle
7-POQ002.11	VAT-C07E_POQ01A06	C	CB21																								4	O	4	IM								08-IM FTox PCBs Striped Bass, Gizzard Shad, Oyster & Croaker; OE, Fmet-As,Pb Blue Crab, Gizzard Shad, Striped Bass, Oyster
7-POQ004.12	VAT-C07E_POQ01A06	A	CB21					36	IM	0	36	S				21	35	IM																				MOBPH
7-POQ005.72	VAT-C07L_POQ01A04	L	CB21	0	41	S	4	29	S	0	41	S	0	7	S						0	S												0	1			Harwood Mills pooled nutrient data: Chla (0 viol / 1 obs) IN, 2010. Harwood Mills pooled DO and pH data: DO (4 viol / 48 obs) S ; Ph (0 viol / 60 obs) S . Water Toxics - NH3=S
7-POQ006.84	VAT-C07L_POQ01A04	A	CB21	0	19	S	0	19	S	0	19	S	0	6	S						0	S																Harwood Mills pooled DO and pH data: DO (4 viol / 48 obs) S; Ph (0 viol / 60 obs) S . Water Toxics NH3=S
7-PRT001.30	VAT-D04E_PRT03A08	A,C,TR	AO14				2	36	S	0	36	S				2	35	S											1	O								08-OE FT_PCB Trout
7-PUN001.60	VAT-C12E_PUN02A06	A,B,C2	CB41					3	IM	0	3	IN				0	1	IN	0	S	0	S									J							08 C2 Benthic ProbMon, WTOX=NH3, CB7PH
7-PUN002.12	VAT-C12E_PUN02A06	A	CB41					34	IM	0	34	S				5	36	IM																				CB7PH
7-PUT000.26	VAP-C04E_PUT01C10	A	CB17		12	NA		12		0	12	S				1	12	S																	12		No new data since 2012 cycle
7-QUE001.52	VAP-C04E_QUE01A98	A	CB12		12	NA		12		0	12	S				1	12	S																	11		
7-RAC000.00	VAT-D06E_RAC01A08	C	AO21																								5	O	3	IM								08-IM, FT_PCBs Bass, Trout, Blue Crab, 06-OE-FT_Met- As FT_Hg = S
7-RBC003.87	VAT-D04R_RBC01A04	A,SS	AO14	0	5	S	2	5	O	0	5	S	1	5	IN/O																							
7ROB-11.1-PCE	VAT-C07E_ROB01A04	CMON	CB21							0	27	S		26	NA																						Poquoson Citizens for the Environment, Ecoli data not applicable to estuarine
7-ROH000.15	VAT-D05E_ZZZ01A00	C2,B	AO15				0	5	IN	0	5	IN				0	1	IN			0	S									J							07 C2 Benthic ProbMon, WTOX=NH3
7-ROW000.04	VAP-C06E_ROW01A06	A	CB19		12	NA		12		0	12	S				0	11	S			0	S													10		No data since 2010 cycle
7-RSS001.40	VAT-D03R_RSS01A02	A,B	AO10	0	3	S	0	3	S	0	3	S	0	1	IN						0	S									IM							VCPMI [2012: IM F=29.3, 2010_IM: S=13.0, F=12.6] WTOX=NH3
7-RTT000.74	VAT-D03R_RTT01A12	A,B	AO11	0	2	S	0	2	S	0	2	S																			IM							VCPMI [2010_IM: S=23.2, F=26.8]
7-SBB000.17	VAT-C10R_SBB01A00	A,B	CB32	0	52	S	0	51	S	0	52	S	27	42	IM				0	S	0	S									IM							VCPMI [2012_IM: S=31, F=35.5] WTOX=NH3
7-SEN004.04	VAP-C06E_SEN01A02	TM	CB19		10	NA		10		0	10	S				6	10	IM																				Tidally influenced - upstream extent; previously mistakenly called riverine
7-SEN004.78	VAP-C06R_SEN01A00	TM	CB19	0	10	S	4	10	IM	1	10	S	3	10	IM																							No new data since 2012 cycle
7-SES000.04	VAP-C06E_SES01A00	C2	CB19		5	NA		5		0	5	W				0	1	W			0	IN	0	S	0	S									3		WOE - 2007: Category 3B; PH-M scenario 5; 1 sample event; no data since 2010 cycle
7-SGT002.46	VAT-D01E_SGT01A04	A	AO02				0	5	S	0	5	S				3	5	IN/O																				
7-SMI000.40	VAT-D06E_SMI01A08	C2,B	AO21				0	1	IN	0	1	IN				0	1	IN	0	S											J							09 C2 Benthic ProbMon
7-SMI000.96	VAT-D06E_SMI01A08	C2,B	AO21				0	1	IN	0	1	IN				0	1	IN	0	IN	0	IN									J							08 C2 Benthic ProbMon, WTOX=NH3
7-SSC003.90	VAT-D05E_SSC01A08	C2,B	AO19				0	6	IN	0	6	IN				0	1	IN	0	IN	0	IN									FS							08 C2 Benthic ProbMon, WTOX=NH3
7-STT000.45	VAP-C04E_STT05A10	C2	CB12		2	NA		2		0	2	W				0	1	W	0	S	0	S	0	S	0	S									1		WOE - 2008: Category 3B; HM-S scenario 5 (possible chronic effects of sed PAHs); 1 sample event; no data since 2010 cycle
7-STT002.92	VAP-C04E_STT01C14	A	CB12		12	NA		12		0	12	S				0	12	S																	12		
7-SWB000.34	VAT-C07E_SWB02A08	B,C2	CB23					4	IM	0	4	IN				0	1	IN	0	IN	0	IN									J							08 C2 Benthic ProbMon, WTOX=NH3, MOBPH
7-SWB001.91	VAT-C07E_SWB01A08	C	CB23																										2	IM								08-IM FTox PCBs-08 Gizzard Shad & Croaker
7-TAL000.80	VAT-D05R_TAL01A02	A	AO18	0	12	S	0	12	S	0	12	S	10	11	IM																							
7-TAY003.11	VAT-C12R_TAY01A04	A,B	CB41	0	2	S	0	2	S	0	2	S																			IM							VCPMI [2010_IM: S=13.9, F=7.9]
7-TBC000.60	VAT-C07E_TBC01A04	C	CB22																								6	O	4	IM								08-IM FTox_PCB Striped Bass, Gizzard Shad, Oyster & Blue Crab;08 FMet-As,Pb Blue Crab, Gizzard Shad, Mummichog, Striped Bass & Oyster
7-TBS001.69	VAP-C01E_TBS01A98	A	CB05		12	NA		12		0	12	S				2	12	IM																	11		No new data since 2012 cycle
7-TBS-T1-FCM	VAP-C01E_TBS01A14	CMON	CB05											13	NA																						Four Creek Monitors - level II E. coli
7-TBS-T2-FCM	VAP-C01E_TBS01B10	CMON	CB05											12	NA																						Four Creek Monitors - level II E. coli
7-TBS-W26-CGAF	VAP-C01E_TBS02A00	CMON	CB05		5	NA		5		0	5	S																									Coast Guard Auxiliary Flotilla 33 - level 3
7-THA000.76	VAT-C08E_THA01A02	A	CB25					36	IM	0	36	S				30	36	IM			0	S																WTOX=NH3, LYNPH
7-THG000.36	VAT-C14E_THG02A06	A	CB45					36	IM	0	36	S				1	36	S																				CB7PH
7-TIM002.21	VAP-C02R_TIM01A06	TM	CB08	0	12	S	6	12	IM	1	12	S																										No data since 2010 cycle
7-TLR000.75	VAT-C13R_TLR01A08	A,B	CB43	0	2	S	0	2	S	0	2	S																			IM							VCPMI [2010_IM: S=11.9, F=9.7]
7-TOM001.73	VAT-D06R_TOM01A08	A	AO21	0	4	S	1	4	O	0	4	S	2	4	IM																							

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE(s)	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorus			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chesapeake Bay, Atlantic Ocean and Small Coastal Basin																																					
7-UPS001.97	VAT-D04E_UPS01A06	A	AO13				1	11	S	0	11	S				1	11	S																				
7-WAI002.13	VAP-D03E_WAI01A08	A,B	AO11				0	1	IN	0	1	IN				0	1	IN			0	IN									J							09 C2 Benthic ProbMon, WTOX=NH3
7-WAR000.00	VAP-C05E_WAR02A02	C2	CB20		8	NA		8		0	8	W				0	1	W	0	IN	0	IN	0	S	0	S									1		1 sample event; WOE - 2009; Category 2A, PH-S scenario 5; no new data since 2012 cycle
7-WAR003.76	VAP-C05E_WAR02A02	C2	CB15		4	NA		4		0	4	W				0	1	W			0	IN	0	S	0	S									3		WOE - 2007: Category 3B; PH-M scenario 5; 1 sample event; no data since 2010 cycle
7-WAR005.77	VAP-C05E_WAR01B08	A,C	CB13		12	NA		12		0	12	S				0	11	S			0	S					1	O	1	O							2008 FT: As 1 sp (blue crab), PCBs 1 sp (gizzard shad); no data since 2010 cycle
7-WAR-DN-ALL	VAP-C05E_WAR01B08	CMON	CB15		8	NA		1		0	5	S																									ACB - Level 3 temp and some pH & DO; Level 2 additional pH & DO
7-WAS002.81	VAT-D03E_WAS03A08	C2,B	AO11				3	3	IN/O	0	3	IN				0	1	IN			0	S									FS						07 C2 Benthic ProbMon
7-WAS003.26	VAT-D03E_WAS01A08	A	AO11				1	5	O	0	5	S				1	5	O																			
7-WES000.37	VAT-C08E_WES03A10	A,B,C2	CB25					2	IM	0	2	IN				0	1	IN			0	S									J						07 C2 Benthic ProbMon; LYNPH, WTOX=NH3
7-WES000.62	VAT-C08E_WES02A06	A	CB25					29	IM	0	29	S				1	29	S			0	S															WTOX=NH3, LYNPH
7-WES000.95	VAT-C08E_WES02A06	A,B,C2	CB25					1	IM	0	1	IN				0	1	IN	0	IN	0	IN									J						08 C2 Benthic ProbMon, LYNPH, WTOX=NH3
7-WES001.68	VAT-C08E_WES02A06	A,CB	CB25					14	IM	0	14	S				0	14	S			0	S															WTOX=NH3, LYNPH
7-WES002.58	VAT-C08E_WES01A06	A	CB25					28	IM	0	28	S				3	28	IM			0	S															WTOX=NH3, LYNPH
7-WHE000.96	VAP-C02R_WHE01A10	TM	CB06	0	12	S	6	12	IM	6	12	IM																									No data since 2010 cycle
7WHH-10-PCE	VAT-C07E_WHH01A06	CMON	CB21							0	25	S		25	NA																						Poquoson Citizens for the Environment, Ecoli data not applicable to estuarine
7WHH-12-PCE	VAT-C07E_WHH01A06	CMON	CB21							0	16	S		16	NA																						Poquoson Citizens for the Environment, Ecoli data not applicable to estuarine
7WHH-1-PCE	VAT-C07E_WHH01A06	CMON	CB21							0	42	S		42	NA																						Poquoson Citizens for the Environment, Ecoli data not applicable to estuarine waters
7WHH-2-PCE	VAT-C07E_WHH01A06	CMON	CB21							0	38	S		39	NA																						Poquoson Citizens for the Environment, Ecoli data not applicable to estuarine
7WHH-3-PCE	VAT-C07E_WHH01A06	CMON	CB21							0	42	S		43	NA																						Poquoson Citizens for the Environment, Ecoli data not applicable to estuarine
7WHH-4-PCE	VAT-C07E_WHH01A06	CMON	CB21							0	39	S		39	NA	7	30	IM																			Poquoson Citizens for the Environment, Ecoli data not applicable to estuarine
7WHH-5.1-PCE	VAT-C07E_WHH01A06	CMON	CB21							0	11	S		11	NA																						Poquoson Citizens for the Environment, Ecoli data not applicable to estuarine
7WHH-5-PCE	VAT-C07E_WHH01A06	CMON	CB21							0	42	S		43	NA	10	43	IM																			Poquoson Citizens for the Environment, Ecoli data not applicable to estuarine
7-WIN000.88	VAP-C04E_WIN02B06	A,C	CB18		12	NA		12		0	12	S				0	12	S			0	S					1	O	1	O					12		2008 FT: As 2 sp (striped bass, flounder), PCBs 1 sp (striped bass); no data since 2010 cycle
7-XAE001.42	VAT-C09R_XAE01A00	A	CB31	0	36	S	11	36	IM	6	36	IM	10	36	IM						0	S															WTOX= NH3
7-XAN000.17	VAP-C01E_COC04A98	TM	CB03		1	NA		1		0	1	W				0	1	W																			No data since 2010 cycle
7-XAZ000.30	VAT-C10R_XAZ01A00	A,B	CB32	0	18	S	0	17	S	0	18	S	1	7	O				0	S	0	S									IM						VCPMI [2012_IM:S=21.9, F=37.0] WTOX=NH3
7-XBO001.30	VAT-C08E_XBO01A00	A	CB25					18	IM	0	18	S				11	18	IM			0	S															WTOX=NH3, LYNPH
7-XCY000.46	VAP-C01R_XCY01A00	TM,B	CB02	0	3	S	1	3	IN	0	3	S																			FS						2009 benthics; no new data since 2012 cycle
7-XCY001.61	VAP-C01R_XCY01A00	TM	CB02	0	1	W	0	1	W	0	1	W																									No data since 2010 cycle
7-XDB000.08	VAP-C01E_DIV01A98	A	CB04		12	NA		12		0	12	S				3	12	IM																	12		No new data since 2012 cycle
7-XDE000.40	VAT-D03R_XDE01A02	A,B	AO10	0	5	S	0	5	S	0	5	S	0	2	S				0	S	0	S	0	S							IM						VCPMI [2010_IM:S=14.1, F=54.0] WTOX=NH3
7-XDI000.88	VAT-D05R_XDI01A04	A,B	AO15	0	4	S	0	4	S	0	4	S	1	1	IN/O				0	S											IM						VCPMI [2009_IM: S=8.6, F=48.4] WTOX=NH3
7-XDO001.77	VAP-C02R_XDO01A06	TM	CB08	0	13	S	0	12	S	0	13	S									0	S															no data since 2010 cycle
7-XDX000.38	VAP-C02R_XDX01A10	TM	CB09	0	13	S	1	12	S	1	13	S																									No data since 2010 cycle
7-XDZ000.23	VAP-C01E_XDZ01A10	C2	CB04		1	NA		1		0	1	W				0	1	W			0	IN	0	S	0	S									1		WOE - 2007: Category 3B; HM-S scenario 5; 1 sample event; no data since 2010 cycle
7-XEA000.02	VAP-C04E_EST02A00	PFWQ	CB17		1	NA		1		0	1	W				0	1	W																			1 sample event; no data since 2010 cycle; HAB response
7-XEE000.58	VAP-C06E_XEE01A10	TM	CB19		12	NA		12		0	12	S				5	11	IM																			slight oily sheen on downstream side of one culvert pipe; previously called riverine by mistake - near tidal limit; no new data since 2012 cycle
7-XEF001.35	VAP-C05R_XEF01A10	TM	CB14	0	10	S	1	10	S	0	10	S	0	11	S																						DO violations during low flow; no new data since 2012 cycle
7-XEG000.27	VAP-C05R_XEG01A10	TM	CB14	0	12	S	0	12	S	0	12	S	2	12	IM																						No new data since 2012 cycle
7-XEH000.87	VAP-C01R_ZZZ01A14	TM	CB02	0	1	W	0	1	W	0	1	W																									No data since 2010 cycle
7-XEI000.29	VAP-C01R_ZZZ01A14	TM	CB02	0	1	W	0	1	W	0	1	W																									No data since 2010 cycle
7-XEJ000.10	VAP-C04E_QUE01A98	PFWQ	CB12		1	NA		1		0	1	W																									HAB response; no data since 2010 cycle
7-XEP000.08	VAP-C04E_BRN01A04	PFWQ	CB12		1	NA		1		0	1	W				1	1	W			1	IN/O													1		acute ammonia violation; fish kill; no new data since 2012 cycle
7-XEQ000.85	VAP-C02R_XEQ01A14	FPM,B	CB06	0	2	S	0	2	S	1	2	IN	0	1	W				0	IN	0	S	0	S							IN						2011 probmon
7-XER001.03	VAT-D04R_XER01A14	A,B	AO15	0	2	S	1	2	IN/O	1	2	IN/O																			IM						VCPMI [2011_IM: S=20.9, F=9.0]
7-XES-15-15-DCA	VAP-C01E_XES01A12	CMON	CB04		32	NA		31		0	32	S		32	NA																						Dividing Creek Association - Level 3 except E. coli
7-XES-2-DCA	VAP-C01R_ZZZ01C14	CMON	CB04										0	1	W																						Dividing Creek Association - level 2; no new data since 2012 cycle
7-XET-15-4B-DCA	VAP-C01E_JAR02A10	CMON	CB04		24	NA		23		0	24	S		24	NA																						Dividing Creek Association - level 3 except E. coli
7-XET-15-4-DCA	VAP-C01E_JAR02A10	CMON	CB04		36	NA		35		0	36	S		35	NA																						Dividing Creek Association - level 3 except E. coli
7-XET-4-4A-DCA	VAP-C01E_JAR02A10	CMON	CB04		36	NA		36		0	36	S		35	NA																						Dividing Creek Association - level 3 except E. coli

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE(s)	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorus			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chesapeake Bay, Atlantic Ocean and Small Coastal Basin																																					
7-XEU-15-8A-DCA	VAP-C01E_XEU01A02	CMON	CB04		10	NA		10		0	10	S		9	NA																						Dividing Creek Association - level 3 except E. coli; no new data since 2012 cycle
7-XEU-3-13-DCA	VAP-C01E_XEU01A02	CMON	CB04		25	NA		25		0	25	S		25	NA																						Dividing Creek Association - level 3 except E. coli
7-XUC-15-10A-DCA	VAP-C01E_XUC01A98	CMON	CB04		30	NA		30		1	30	S		31	NA																						Dividing Creek Association - level 3 except E. coli
7-YOR001.42	VAP-C02R_YOR01A10	TM	CB06	0	12	S	1	12	S	4	12	IM																										No data since 2010 cycle
BAK000.09	VAT-C07E_BAK01A00	NONA	CB24					172	IM	0	172	S																										MOBPH, VIMS
BAK001.89	VAT-C07E_BAK01A00	NONA	CB24					1026	IM	0	781	S																										MOBPH, VIMS
BAK004.35	VAT-C07E_SWB01A08	NONA	CB23					199	IM	0	200	S																										MOBPH, VIMS
CB5.4	VACB-R01E-CB5	CB	CB47		2047			1018		0	2047	S									0	S													292		384 /1018 DO measurements < 5.0 mg/l; mean summertime chl = 5.6 ug/l
CB5.4W	VAP-C01E_GWR03A06	CB	CB47		140	NA		140		0	267	S									0	S											34		43		VECOS - ODU
CB5.5	VACB-R01E-CB5	CB	CB47		1156			567		0	1156	S									0	S													296		113/567 DO measurements < 5.0mg/l; mean summertime chl = 6.4 ug/l
CB6.1	VACB-R01E-CB6N	CB	CB47		316			467		0	316	S									0	S													316		71/467 DO measurements < 5.0 mg/l; mean summertime chl = 5.6 ug/l
CB6.2	VACB-R01E-CB6N	CB	CB47		777			384		0	777	S									0	S													320		52/384 DO measurements < 5.0 mg/l; mean summertime chl = 6.2 ug/l
CB6.3	VACB-R01E-CB6S	CB	CB47		816			422		0	816	S									0	S													326		53/422 DO measurements
CB6.4	VACB-R01E-CB6S	CB	CB47		725			328		0	725	S									0	S													329		29/328 DO measurements < 5.0 mg/l; mean summertime chl = 6.7 ug/l
CB7.1	VACB-R01E-CB7N	CB	CB47		1321			674		0	1321	S									0	S													147		152/674 DO measurements < 5.0 mg/l; mean summertime chl = 6.0 ug/l
CB7.1N	VACB-R01E-CB7N	CB	CB29		1680			838		0	1680	S									0	S													152		141/838 DO measurements < 5.0 mg/l;mean summertime chl = 7.3 ug/l
CB7.1S	VACB-R01E-CB7S	CB	CB47		1133			568		0	1133	S									0	S													152		119/568 DO measurements < 5.0 mg/l; mean summertime chl = 6.2 ug/l
CB7.2	VACB-R01E-CB7S	CB	CB47		1588			766		0	1588	S									0	S													162		149/766 DO measurements < 5.0 mg/l; mean summertime chl=5.3 ug/l
CB7.2E	VACB-R01E-CB7S	CB	CB47		952			339		0	952	S									0	S													159		60/339 DO measurements
CB7.3	VACB-R01E-CB7S	CB	CB47		976			474		0	976	S									0	S													313		0/474 DO measurements < 5.0mg/l; mean summertime chl = 5.0 ug/l
CB7.3E	VACB-R01E-CB7S	CB	CB47		1486			757		0	1486	S									0	S													166		13/757 DO measurements < 5.0 mg/l;mean summertime chl=5.6 ug/l
CB7.4	VACB-R01E-CB8	CB	CB47		1135			535		0	1135	S									0	S													324		0/535 DO measurements < 5.0 mg/l; mean summertime chl=4.2 ug/l
CB7.4N	VACB-R01E-CB7S	CB	CB47		901			416		0	901	S									0	S													324		0/416 DO measurements
CB8.1	VACB-R01E-CB8	CB	CB47		641			303		0	641	S									0	S													164		0/303 DO measurements
CB8.1E	VACB-R01E-CB8	CB	CB47		1047			478		0	1047	S									0	S													155		0/478 DO measurements
CHE019.38	VACB-R01E-MOB	CB	CB21		1068			694		0	1070	S																										VIMS Shallow Water Monitoring Program; 1/694 DO measurements < 5.0 mg/l
DC1	VAT-C08L_LAW01A08	NONA	CB26	0	21	S	2	21	IM	0	19	S																										Lake Whitehurst pooled DO and pH data: DO (28 viol / 259 obs) IM; pH (4 viol /219 obs) S .
DCA 4-11-DCA	VAP-C01E_XEW01A14	CMON	CB04		5	NA		5		0	5	S		5	NA																						Dividing Creek Association - level 3 except E. coli
DP1	VAT-C08L_LAW01A08	NONA	CB26	0	47	S	5	47	IM	3	42	S																										Lake Whitehurst pooled DO and pH data: DO (28 viol / 259 obs) IM; pH (4 viol /219 obs) S .
DYE000.80	VAP-C04E_DYE02A04	NONA	CB18		401	NA		401		0	760	S																										VIMS ConMon - plus 0/401 instantaneous pH
EE3.4	VACB-C10E-POC	CB	CB40		233			109		0	233	S									0	S													126		0/109 DO measurements < 5.0mg/l; mean summertime chl=12.2 ug/l
EE3.5	VACB-R01E-CB7N	CB	CB40		1758			886		0	1758	S									0	S													150		138/886 DO measurements
EST002.35	VAP-C04E_EST02A00	NONA	CB17		334	NA		334		0	334	S																										VIMS Dataflow
VA153278	VAT-C10E_GSH01A06	VDHB	CB36													0	19	O																			Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA1977713	VAT-C08E_CBB01A06	VDHB	CB26													0	24	O																			Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA209936	VAT-C08E_CBB01A06	VDHB	CB26													0	16	O																			Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA291001	VAT-C08E_CBB01A06	VDHB	CB26													0	3	S																			Monthly Geometric Mean used for Beach Bacteria data.
VA307929	VAT-AO25_ATL01A08	VDHB	AO25													0	17	S																			Monthly Geometric Mean used for Beach Bacteria data.
VA323310	VAT-AO23_ATL01A06	VDHB	AO23													0	25	O																			Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA366712	VAT-AO25_ATL01A08	VDHB	AO25													0	25	S																			Monthly Geometric Mean used for Beach Bacteria data.
VA441400	VAT-AO23_ATL01A06	VDHB	AO23													0	25	S																			Monthly Geometric Mean used for Beach Bacteria data.
VA509547	VAT-C08E_CBB01A06	VDHB	CB26													0	23	O																			Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA514504	VAT-AO23_ATL01A06	VDHB	AO23													0	24	S																			Monthly Geometric Mean used for Beach Bacteria data.
VA532597	VAT-C08E_CBB01A06	VDHB	CB26													0	25	O																			Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA536165	VAT-C08E_CBB01A06	VDHB	CB26													0	25	O																			Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA551311	VAT-AO25_ATL01A08	VDHB	AO25													0	25	S																			Monthly Geometric Mean used for Beach Bacteria data.
VA556096	VAT-AO23_ATL01A06	VDHB	AO23													0	4	O																			Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE(s)	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorus			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chesapeake Bay, Atlantic Ocean and Small Coastal Basin																																					
VA582379	VAT-AO25_ATL01A08	VDHB	AO25													0	25	S																				Monthly Geometric Mean used for Beach Bacteria data.
VA591163	VAT-C08E_CBB01A06	VDHB	CB26													0	25	S																				Monthly Geometric Mean used for Beach Bacteria data.
VA620108	VAT-AO23_ATL01A06	VDHB	AO23													0	20	O																				Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA623963	VAT-C07E_FMB01A12	VDHB	CB24													0	10	S																				Monthly Geometric Mean used for Beach Bacteria data.
VA695544	VAT-AO23_ATL01A06	VDHB	AO23													0	25	S																				Monthly Geometric Mean used for Beach Bacteria data.
VA718451	VAT-C08E_CBB01A06	VDHB	CB26													0	26	O																				Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA723069	VAT-AO23_ATL01A06	VDHB	AO23													0	25	O																				Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA742733	VAT-C08E_CBB01A06	VDHB	CB26													1	24	IM																				Monthly Geometric Mean violated the standard for Enterococci based on Beach Bacteria data. Geo Mean exceedance: 8/2011. OE for Swimming Advisories.
VA800662	VAT-AO05_ATL01A06	VDHB	AO05													0	3	O																				Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA818754	VAP-C04E_WHI01A08	VDHB	CB12													1	21	O																				Festival Beach - geomean - instantaneous would be 10/115 (S) - 7 swimming advisories in 2010 (IM); other years okay
VA821032	VAT-C08E_CBB01A06	VDHB	CB26													0	19	S																				Monthly Geometric Mean used for Beach Bacteria data.
VA824084	VAT-AO23_ATL01A06	VDHB	AO23													0	35	S																				Monthly Geometric Mean used for Beach Bacteria data.
VA845980	VAT-C08E_CBB01A06	VDHB	CB26													0	23	O																				Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA863269	VAT-AO25_ATL01A08	VDHB	AO25													0	25	O																				Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA864045	VAT-C08E_CBB01A06	VDHB	CB26													0	22	S																				Monthly Geometric Mean used for Beach Bacteria data.
VA884979	VAT-C07E_BCB01A06	VDHB	CB24													0	21	O																				Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA888917	VAT-C08E_CBB01A06	VDHB	CB26													0	24	O																				Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA898733	VAT-AO23_ATL01B08	VDHB	AO23													0	24	O																				Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA912105	VAT-C08E_CBB01A06	VDHB	CB26													0	23	O																				Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA927341	VAT-AO25_ATL01B10	VDHB	AO25													0	17	S																				Monthly Geometric Mean used for Beach Bacteria data.
VA938661	VAT-C07E_GRV02A10	VDHB	CB24													0	19	O																				Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA938849	VAT-C08E_CBB01A06	VDHB	CB26													0	23	O																				Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA960898	VAT-C08E_CBB01A06	VDHB	CB26													0	25	O																				Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
VA963844	VAT-C15E_CCB01A06	VDHB	CB46													0	19	S																				Monthly Geometric Mean used for Beach Bacteria data.
VA999541	VAT-AO25_ATL01B10	VDHB	AO25													0	16	O																				Monthly Geometric Mean used for Beach Bacteria data. OE for Swimming Advisories.
W25	VACB-R01E-CB5	CMON	CB47		2			10		0	2	S																										Coast Guard Auxiliary Flotilla 33
WAR001.58	VAP-C05E_WAR02A02	NONA	CB15		379	NA		379		0	762	S																										VIMS ConMon - plus 0/379 instantaneous pH
WAR004.62	VAP-C05E_WAR02A02	NONA	CB15		236	NA		236		0	236	S																										VIMS Dataflow
WE4.1	VACB-R01E-MOB	CB	CB20		358			170		0	358	S									0	S													160			5/170 DO measurements < 5.0 mg/l; mean summertime chl=8.4 ug/l
WE4.3	VACB-R01E-MOB	CB	CB47		304			146		0	304	S									0	S													162			3/146 DO measurements
WE4.4	VACB-R01E-MOB	CB	CB24		296			150		0	296	S									0	S													166			0/150 DO measurements
WE4.4	VAT-C07E_BAK01A00	CB	CB24					299	IM	0	299	S									0	S																Collected by ODU under contract to DEQ: MOBPH, WatTox=NHx
WH1	VAT-C08L_LAW01A08	NONA	CB26	0	64	S	3	61	IM	0	43	S																										Lake Whitehurst pooled DO and pH data: DO (28 viol / 259 obs) IM; Ph (4 viol /219 obs) S .
WH4	VAT-C08L_LAW01A08	NONA	CB26	0	63	S	3	60	IM	0	45	S																										Lake Whitehurst pooled DO and pH data: DO (28 viol / 259 obs) IM; pH (4 viol /219 obs) S .
WR1	VAT-C08L_LAR01A06	NONA	CB26	0	21	S	5	21	IM	0	21	S																										Lake Wright DO and pH data: DO (5 viol /21 obs) IM; pH (1 viol / 19 obs) S .

* For lake/reservoir NUTRIENTS (i.e. Total Phosphorus or Chlorophyll a), "Exceed" refers to the number of exceedences per monitoring year (April-October) and "Samples" represent the number of monitoring years. A minimum of two monitoring years are required to make a supporting (S) or impaired (IM) assessment determination. Less than two full monitoring years result in an insufficient (IN) determination. Also, nutrients are only assessed in lakes listed in Section 187 of the WQS if there is documented algaecide use.

NOTE: Values in VAHU6 refer to the 6th order watershed in version 4 of Virginia's portion of the National Watershed Boundary Dataset.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chowan River and Dismal Swamp Basin																																					
02045500	VAP-K19R_NTW01B00	USGS	CU18	0	13	S															0	S																co-located with 5ANTW078.20 - no data since 2010 cycle
02046000	VAP-K21R_STO02A00	USGS	CU22	0	9	S															0	S																No data since 2010 cycle
02047500	VAT-K32R_BLW01A08	NONA	CU59							0	10	IN	0	10	IN						0	S																USGS, supporting water column toxicity for Chloride
02051500	VAP-K05R_MHN03B98	USGS	CM14	0	4	S															0	S																No data since 2010 cycle
258WAL	VAT-K36R_ZZZ01B00	CMON	CU66							0	10	IN																										CMON Level II pH Data
2POP-1-IRC	VAT-K33R_ZZZ01A00	CMON	CU62							0	12	IN																										CMON Level II pH data
5AALN001.00	VAP-K05R_ALN01A08	A,TM	CM14	0	24	S	2	24	S	1	24	S	2	24	S																							
5AAND000.10	VAP-K24R_HQS01B08	TM	CU33	0	2	S	0	1	W	0	2	S									0	S																Class VII water; no data since 2010 cycle - DO impairment
5AANG004.08	VAT-K27R_ANG01A12	A	CU41							0	12	S	1	12	S																							
5AASM000.89	VAP-K29R_ASM02A02	A	CU46	0	10	S	2	10	IM	0	10	S	2	11	IM						0	S																Class VII; no data since 2010 cycle
5AASM008.12	VAP-K29R_ASM01A98	TM	CU46	0	9	S	0	8	S	0	9	S	0	8	S																							Class VII; no data since 2010 cycle
5AASM013.36	VAP-K29R_ASM01A98	TM	CU46	0	13	S	5	12	IM	0	13	S	1	12	S																							Class VII; no data since 2010 cycle
5AASM016.95	VAP-K29R_ASM01A98	TM	CU44	0	11	S	4	10	IM	0	11	S	0	10	S																							Class VII; no data since 2010 cycle
5AASM018.61	VAP-K29R_ASM01A98	FPM,B	CU44	0	1	W	0	1	W	0	1	W	0	1	W				0	IN	0	S	0	S							IN							2010 sed Probmon; no new data since 2012 cycle
5AASM018.62	VAP-K29R_ASM01A98	TM	CU44	0	13	S	7	12	IM	0	13	S	1	12	S																							Class VII; no data since 2010 cycle
5AASM021.22	VAP-K29R_ASM01A98	A,TM	CU44	0	25	S	12	24	IM	0	25	S	2	24	S						0	S																Class VII; aka PL-7A; no data since 2010 cycle
5AATH003.28	VAP-K23R_ATH01A08	A,TM	CU26	0	21	S	6	21	IM	0	21	S	2	20	S																							Class VII water
5AATH006.56	VAP-K23R_ATH01A08	C	CU26																								1	IM	0	S								Class VII water; 2007 FT: Hg 3 sp (brown bullhead catfish, mud sunfish, warmouth sunfish), PCBs ok, pest ok
5ABDD000.69	VAP-K10R_BDD01A10	TM	CM22	0	11	S	5	11	IM	1	11	S	0	11	S																							No data since 2010 cycle
5ABDM-1-IRC	VAT-K36R_ZZZ01A00	CMON	CU69							0	3	IN																										CMON Level II pH Data
5ABEC000.37	VAC-K03R_BEC01A14	A,B	CM08	0	2	S	0	2	S	0	2	S																			FS							2011 Bio Bears Element Creek supports a healthy community of macroinvertebrates. Riparian vegetation and sediment scores are within the fair to good range.
5ABHC003.73	VAC-K14R_BHC01B98	A,C,TM	CU03	0	12	S	0	12	S	0	12	S	2	12	IM						0	S					0	S	0	S								2007 FT Sampling
5ABHC009.91	VAC-K14L_BHC01L00	L	CU03	0	84	S	0	27	S	0	84	S	0	7	S						0	S												0	2			2005 & 2007 Lunenburg Beach Lake
5ABHC010.00	VAC-K14L_BHC01L00	C	CU03																								0	S	0	S								2007 FT Sampling
5A-BHC-LUN01-SSWCD	VAC-K14R_BHC01B98	CMON	CU03										6	34	IN/O																							Southside SWCD Station - Level II Coliscan Category 3C
5A-BHC-LUN02-SSWCD	VAC-K14R_BHC01B98	CMON	CU03										3	36	IN																							Southside SWCD Station - Level II Coliscan Category 3C
5A-BHC-LUN03-SSWCD	VAC-K14R_BHC01B98	CMON	CU03										4	36	IN/O																							Southside SWCD Station - Level II Coliscan Category 3C
5ABJC001.00	VAC-K02R_BJC01A98	A,B,TM	CM05	0	26	S	0	25	S	0	26	S	3	14	IM						0	S									J							2008 Meherrin River TMDL 2011 Bio VSCI scores are highly variable seasonally. Sediment measures are scored low however, bank stability is high.
5ABKH003.89	VAT-K28R_BKH01B12	A	CU43	0	12	S	4	12	IM	2	12	S	2	12	IM																							
5ABKR001.92	VAP-K31R_BKR01A98	TM	CU53	0	12	S	7	12	IM	0	12	S	1	12	S																							Class VII; no data since 2010 cycle
5ABKR003.68	VAP-K31R_BKR01A98	A,C,TM	CU53	0	12	S	3	12	IM	0	12	S	2	12	IM												2	IM										Class VII; 2007 FT: Hg 7 sp (bowfin (excluded), largemouth bass, yellow bullhead catfish, flier sunfish, chain pickerel, redfin pickerel, bluegill sunfish, warmouth sunfish); As 1 sp (largemouth bass)(OE); no data since 2010 cycle
5ABKR004.83	VAP-K31R_BKR01A98	FPM,B	CU53	0	2	S	1	2	IN	0	2	S	0	1	W				0	IN	0	S	0	S							IN							2007 Probmon; Class VII; no data since 2010 cycle
5ABKR005.48	VAP-K31R_BKR01A98	TM	CU53	0	10	S	2	10	IM	0	10	S	3	10	IM																							Class VII; no data since 2010 cycle
5ABKR007.28	VAP-K31R_BKR01A98	TM	CU53	0	10	S	5	10	IM	0	10	S	0	10	S																							Class VII; no data since 2010 cycle
5ABKR010.39	VAP-K31R_BKR01A98	TM	CU53	0	11	S	3	11	IM	0	11	S	2	11	IM																							Class VII; no data since 2010 cycle
5ABKR014.01	VAP-K31R_BKR01A98	TM	CU53	0	12	S	7	12	IM	0	12	S	1	12	S																							Class VII; no data since 2010 cycle
5ABKR016.95	VAP-K31R_BKR01A98	TM	CU53	0	12	S	7	12	IM	0	12	S	4	12	IM																							Class VII; no data since 2010 cycle
5ABLC006.97	VAT-K36R_BLC02A10	A	CU67							1	12	S	3	12	IM						1	O																Water Toxics : 1 viol of chronic criterion NH3
5ABLS001.58	VAP-K29R_BLS01A00	TM	CU44	0	14	S	5	14	IM	0	14	S	1	13	S																							Class VII; no data since 2010 cycle; high conductivity
5ABLW000.65	VAT-K36R_BLW06A08	C	CU70																								10	IM										07-IM FT_Met-As, Hg Largemouth Bass, Bowfin, White Catfish, Chain Pickerel, Redear Sunfish, Yellow Perch, Golden Redhorse Sucker, Bluegill Sunfish
5ABLW001.10	VAT-K36R_BLW05A08	A,B	CU70				0	2	S	0	2	S	0	1	IN/O						0	S									FS							Benthic VCPMI FS [2008: S = 55.2, F = 42.5], Partial Delist - Benthic
5ABLW004.09	VAT-K36R_BLW05A08	B	CU70				0	1	IN	0	1	IN																			FS							Benthic VCPMI FS [2010: F = 49.5], Partial Delist - Benthic
5ABLW009.14	VAT-K36R_BLW04C12	A,TR	CU70				11	36	IM	1	36	S	2	35	S																							
5ABLW009.80	VAT-K36R_BLW04D14	A,TR	CU70				15	35	IM	3	35	S	4	35	IM																							
5ABLW010.60	VAT-K36R_BLW04B12	A,TR	CU70				7	18	IM	1	18	S	1	18	S																							
5ABLW011.48	VAT-K36R_BLW04A08	A,TR	CU70				8	18	IM	1	18	S	2	18	IM																							
5ABLW012.28	VAT-K36R_BLW04A08	A,TR	CU70				15	35	IM	3	35	S	7	35	IM																							
5ABLW012.96	VAT-K36R_BLW04A08	A,TR	CU70				7	18	IM	1	18	S	3	18	IM																							
5ABLW013.16	VAT-K36R_BLW04A08	A	CU68				12	35	IM	2	35	S	10	35	IM																							
5ABLW014.28	VAT-K36R_BLW03A08	A,TR	CU68				14	35	IM	3	35	S	0	34	S																							
5ABLW014.88	VAT-K36R_BLW03A08	A,TR	CU68				13	33	IM	2	33	S	0	32	S																							
5ABLW016.27	VAT-K36R_BLW02A08	A,TR	CU68				13	33	IM	2	33	S	1	33	S																							

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chowan River and Dismal Swamp Basin																																					
5ABLW022.84	VAT-K36R_BLW02B08	A,C,TR	CU68				2	36	S	1	36	S	3	34	S												15	IM										07-IM, FT_Met-Hg, As Largemouth Bass,Bluegill Sunfish,Bowfin,Creek Chubsucker, White Catfish, Warmouth Sunfish, Redhorse Sucker, Redear Sunfish & Chain Pickerel:OE-Pb
5ABLW022.89	VAT-K36R_BLW02B08	B,FPM	CU68				0	2	S	0	2	S	0	1	IN				0	S			0	S							FS							Benthic ProbMon VCPMI [FS - 2009: S = 47.6, F = 46.4]; Sed = S, 2009, Partial Delist Benthic
5ABLW025.39	VAT-K36R_BLW01B08	B,FPM	CU68							0	1	IN	0	1	IN				0	S			0	S							FS							Benthic ProbMon VCPMI [FS - 2011: F = 54.2], Sed = S, 2011
5ABLW040.22	VAT-K33R_BLW02A04	A,TR	CU62							1	36	S	4	35	IM																						
5ABLW053.54	VAT-K33R_BLW01A00	A,C,CR	CU59							0	12	S	2	12	IM												4	IM										07-IM FT_Met-Hg,As Bowfin
5ABLW058.22	VAT-K32R_BLW01A08	A	CU59							0	41	S	5	42	IM																						
5ABLW064.46	VAP-K32R_BLW02B98	TM	CU57	0	11	S	4	11	IM	0	11	S	1	11	S																						Class VII; no data since 2010 cycle
5ABLW069.30	VAP-K32R_BLW01B98	TM	CU57	0	11	S	5	11	IM	0	11	S	3	11	IM																						Class VII; no data since 2010 cycle
5ABLW074.66	VAP-K32R_BLW01B98	A,C,TR	CU55	0	41	S	16	41	IM	0	40	S	3	40	S												1	IM										Class VII; 2007 FT: Hg 7 sp (bowfin excluded, largemouth bass, American eel, chain pickerel, redfin pickerel, bluegill sunfish, redear sunfish, warmouth sunfish)
5ABLW087.70	VAP-K32R_BLW01B98	TM	CU55	0	12	S	4	12	IM	0	12	S	2	12	IM																						Class VII; no data since 2010 cycle
5ABLW-1-IRC	VAT-K36R_BLW01A00	CMON	CU66							0	20	IN																									CMON Level II pH Data
5ABLW-2-IRC	VAT-K36R_BLW02B08	CMON	CU68							0	4	IN																									CMON Level II pH Data
5ABMS000.80	VAT-K33R_BMS01A12	B,FPM	CU62							0	2	S	1	1	IN/O				0	S	0	S	0	S							IM							Benthic ProbMon VCPMI [IM - 2010: S = 18.9, F = 10.1]; Sed = S, 2010.
5ABMS-1-IRC	VAT-K33R_BMS01A12	CMON	CU62							0	11	IN																									CMON Level II pH Data
5ABNF000.65	VAP-K31R_BNF01A10	TM	CU53	0	12	S	7	12	IM	0	12	S	2	12	IM																						Class VII; no data since 2010 cycle
5ABNF003.73	VAP-K31R_BNF01A10	TM	CU53	0	11	S	6	11	IM	0	11	S	4	11	IM																						Class VII; no data since 2010 cycle
5ABNF005.25	VAP-K31R_BNF01A10	TM	CU53	0	9	S	2	9	IM	0	9	S	2	9	IM																						Class VII; no data since 2010 cycle
5ABNT002.70	VAT-K35R_BNT01A04	A	CU64							1	12	S	1	12	S																						
5ABPC000.12	VAC-K16R_BPC01A00	A,TM	CU11	0	12	S	0	11	S	0	12	S	6	12	IM						0	S																2006 Nottoway Basin TMDL
5ABRD002.09	VAC-K03R_BRD01A06	TM	CM10	0	8	S	0	8	S	0	8	S	2	9	IM																						2006 Flat Rock Creek LDA
5ABRY001.88	VAP-K05R_BRY01A02	TM	CM12	0	12	S	0	12	S	0	12	S	6	12	IM																						previously 5A-PL-GR-B; no data since 2010 cycle
5ABSK000.60	VAP-K19R_BSK01A00	TM	CU16	0	12	S	0	12	S	0	12	S	2	12	IM																						No new data since 2012 cycle
5ABSK004.32	VAP-K19R_BSK01A00	A,TM	CU16	0	22	S	1	22	S	0	22	S	5	22	IM						0	S																No new data since 2012 cycle
5ABSK006.52	VAP-K19R_BSK01A00	TM	CU16	0	12	S	0	12	S	0	12	S	3	12	IM																						No new data since 2012 cycle
5ABSK007.40	VAP-K19R_BSK01A00	TM	CU16	0	12	S	1	12	S	0	12	S	4	12	IM																						No new data since 2012 cycle
5ABSK008.75	VAP-K19R_BSK01B12	TM	CU16	0	12	S	6	12	IM	0	12	S	2	12	IM																						No new data since 2012 cycle
5ABSK011.17	VAP-K19R_BSK01A00	TM	CU16	0	11	S	1	11	S	0	11	S	4	11	IM																						No new data since 2012 cycle
5ABTR000.76	VAP-K20R_BTR03A06	FPM,B	CU19	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S	0	S							FS							2008 Probmon; no data since 2010 cycle
5ABTR002.80	VAP-K20R_BTR03A06	A,B,SS	CU19	0	15	S	1	15	S	1	15	S	1	12	S						0	S																FS							aka PL-10C; no data since 2010 cycle; 2007-2008 benthics
5ABTR007.93	VAP-K20R_BTR02A06	FPM,B	CU19	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S	0	S							IN							2008 Probmon; Class VII water - no data since 2010 cycle
5ABVC000.48	VAP-K11R_BVC01A04	TM	CM25	0	12	S	3	12	IM	0	12	S	1	12	S																						No data since 2010 cycle
5ABVC002.31	VAP-K11R_BVC01A04	A	CM25	0	12	S	2	12	IM	1	12	S	1	11	S						0	S																No data since 2010 cycle
5ACAT000.92	VAP-K31R_CAT01A10	TM	CU53	0	9	S	2	9	IM	0	9	S	1	9	IN																						Class VII; no data since 2010 cycle
5ACBP000.96	VAP-K23R_CBP01A08	TM	CU30	0	2	S	0	2	S	0	2	S									0	S																Class VII water; no data since 2010 cycle - DO impairment
5ACBP001.92	VAP-K23R_CBP01A08	TM	CU30	0	1	W	0	1	W	0	1	W									0	IN																Class VII water; no data since 2010 cycle
5ACDR000.30	VAC-K16L_NTW01L04	L	CU07	0	28	S	0	12	S	1	28	S	0	7	S						0	S	0	S	0	S												2002 & 2006 Fort Pickett Reservoir Not in Lacustrine Zone Pooled Data: DO - 2/48 Violation Rate pH - 1/82 Violation Rate
5ACDR001.08	VAC-K16L_NTW01L04	A	CU07	0	12	S	0	11	S	0	12	S	1	12	S						0	S																
5ACHP002.03	VAT-K38R_CHP01A04	A	CL02	0	6	S	2	6	IM	2	6	IM	2	6	IM																						
5ACHS003.42	VAC-K02R_CHS01A08	A,B,SS	CM06	0	30	S	0	30	S	0	30	S	4	12	IM						0	S										IM							2014 - New Bacteria Impairment 2008 Ammonia Special Study 2008-2012 Bio Cobble riffles were partially embedded. Periphyton was abundant, indicating nutrient enrichment.
5ACHS006.33	VAC-K02R_CHS01A08	SS,B	CM06	0	18	S	1	18	S	2	18	IM									1	O										IM							2008 Ammonia Study Station located downstream of Victoria West Lagoon. Single violation of the chronic ammonia std 2008-2010/2012 Bio Couches Creek at this site had marginal habitat with a high rate of sediment deposition. Black fluffy material was present throughout stream.
5ACKD000.40	VAC-K16R_CKD01A00	A	CU07	0	12	S	0	12	S	0	12	S	1	12	S																						2014 - Bacteria Delist
5ACNY001.08	VAP-K12R_CNY01A00	TM,B,FPM	CM27	0	10	S	2	10	IM	0	10	S	1	10	S				0	IN	0	IN	0	S							IN							Class VII; 2010 sed Probmon; no data since 2012 cycle
5ACPH002.59	VAP-K32R_CPH01A98	A,TM	CU57	0	11	S	4	11	IM	0	11	S	0	11	S																						Class VII; no data since 2010 cycle
5ACPH006.00	VAP-K32R_CPH01A98	A,B,TM	CU57	0	17	S	9	17	IM	0	17	S	1	17	S						0	S										IN							Class VII; aka PL-3A; no data since 2010 cycle; 2007 benthics
5ACPH007.18	VAP-K32R_CPH01A98	B	CU57																												IN							Class VII; 2007 benthics
5ACPH008.21	VAP-K32R_CPH01A98	TM	CU57	0	12	S	6	12	IM	0	12	S	0	12	S																						Class VII; no data since 2010 cycle
5ACPH008.60	VAP-K32R_CPH01A98	C	CU57																								0	S										Class VII; 2007 FT: metals ok
5ACPP003.20	VAP-K32R_CPP01A98	A,TM	CU58	0	24	S	11	24	IM	0	24	S	2	24	S																						Class VII; no data since 2010 cycle

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chowan River and Dismal Swamp Basin																																					
5ACPR000.41	VAC-K01R_CPR01A14	A,B	CM01	0	2	S	0	2	S	0	2	S																		J							2011 Bio Cruppers Run exhibits seasonal variability around the assessment threshold, further sampling is required to accurately assess water quality within this reach.
5ACRK003.63	VAC-K03R_CRK01A14	A,B	CM09	0	2	S	0	2	S	0	2	S																		J							2011 Bio Crooked Creek exhibits high seasonal variability. Further sampling is required to accurately characterize water quality within this reach.
5ACRY001.10	VAC-K15R_CRY01A06	TM	CU05	0	12	S	0	12	S	0	11	S	2	12	IM																						2006 Nottoway Basin TMDL
5ACTT000.46	VAP-K11R_CTT01B10	TM	CM24	0	12	S	8	12	IM	1	12	S	0	12	S																						No data since 2010 cycle
5ACTT002.73	VAP-K11R_CTT01A02	A	CM24	0	11	S	3	11	IM	0	11	S	2	12	IM							0	S															No data since 2010 cycle
5ACYP001.66	NC	A	CM28		21	NA		21	NA		21	NA		21	NA																						North Carolina; no new data since 2012 cycle
5ACYS001.92	VAT-K36R_CYS01A12	A	CU68	0	11	S	6	11	IM	0	11	S	2	11	IM																						
5ADBS001.86	VAP-K23R_NBT01A98	TM	CU31	0	13	S	7	13	IM	0	13	S	0	11	S																						Class VII water; no data since 2010 cycle
5ADEP001.73	VAP-K29R_DEP01A10	TM	CU46	0	13	S	3	12	IM	0	13	S	0	12	S																						Class VII; no data since 2010 cycle
5ADKS000.09	VAT-K36R_DKS01A10	A	CU66							1	12	S	0	12	S							1	O														Water Toxics : 1 viol of chronic criterion NH3
5ADMR008.42	VAT-K30R_DMR01A02	A	CU50	0	33	S	18	33	IM	25	33	IM	6	33	IM																						
5ADRY002.85	VAC-K14R_DRY01A06	TM	CU01	0	12	S	0	12	S	0	11	S	1	11	S																						2006 Nottoway Basin TMDL
5A-DRY-LUN04-SSWCD	VAC-K14R_DRY01A06	CMON	CU01										0	36	IN																						Southside SWCD Station - Level II Coliscan Category 3C
5AEVN000.96	VAP-K05R_EVN01A10	TM	CM12	0	12	S	0	12	S	1	12	S	4	12	IM																						No data since 2010 cycle
5AFNY004.78	VAC-K01R_FNY01A08	FPM,B	CM02	0	1	W	0	1	W	0	1	W	0	1	W				0	W	0	W	0	W	0	W					IM							2005 Probabilistic Monitoring Stream ran through a pasture with active cattle access. Flow was minimal, sedimentation was extensive, organic solids were abundant in channel. Minimal habitat present.
5AFON001.46	VAP-K11R_FON04A00	TM	CM27	0	8	S	0	8	S	0	8	S	1	6	IN																						Class VII; no data since 2010 cycle - E. coli impairment
5AFON006.07	VAP-K11R_FON04A00	A,C,TM	CM27	0	12	S	3	12	IM	0	12	S	0	12	S														1	IM	0	S						Class VII; 2007 FT: Hg 4 sp (bowfin excluded, largemouth bass, flier sunfish, golden redhorse sucker, warmouth sunfish), PCBs ok, pest ok; no data since 2010 cycle - E. coli and DO impairment
5AFON014.38	VAP-K11R_FON03A98	A,TM	CM27	0	24	S	4	24	IM	0	24	S	1	24	S																						
5AFON016.90	VAP-K11R_FON03A98	FPM,B	CM27	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S	0	S							FS							2007 Probmon; no data since 2010 cycle
5AFON021.35	VAP-K11R_FON01A10	TM	CM24	0	12	S	0	12	S	0	12	S	0	12	S																						No data since 2010 cycle
5AFON022.04	VAP-K11R_FON01A10	TM	CM24	0	12	S	0	12	S	0	12	S	1	12	S																						No data since 2010 cycle
5AFON025.64	VAP-K11R_FON01A10	TM,B	CM24	0	14	S	1	14	S	0	14	S	1	12	S																FS						No new data since 2012 cycle; 2010 benthics
5AFON027.33	VAP-K11R_FON01A02	TM	CM24	0	12	S	3	12	IM	0	12	S	1	12	S																						No data since 2010 cycle
5AFON033.05	VAP-K11R_FON01A02	TM	CM24	0	12	S	5	12	IM	0	12	S	1	12	S																						No data since 2010 cycle
5AFON037.89	VAP-K10R_FON01B10	A,TM	CM23	0	13	S	4	13	IM	0	13	S	2	11	IM																						No data since 2010 cycle
5AFON039.47	VAP-K10R_FON01A04	TM	CM23	0	9	S	3	9	IM	0	9	S	0	9	S																						No data since 2010 cycle
5AFRC002.98	VAC-K03R_FRC01A98	A,SS	CM10	0	12	S	0	12	S	0	12	S	2	12	S							0	S															
5AFRC007.54	VAC-K03R_FRC01A98	TM	CM10	0	8	S	0	8	S	0	8	S	2	9	IM																						2006 Flat Rock Creek LDA
5AFRC009.53	VAC-K03R_FRC01A98	TM	CM10	0	8	S	0	8	S	0	8	S	2	9	IM																						2006 Flat Rock Creek LDA
5AFRC011.93	VAC-K03R_FRC01A98	FPM,B	CM10	0	2	S	0	2	S	0	2	S	0	1	W							0	S	0	W							IM						2012 Probmon Beaver activity and sedimentation from within the watershed has limited habitat availability.
5AFRC013.25	VAC-K03R_FRC02A06	TM	CM10	0	8	S	0	8	S	0	8	S	4	9	IM																						2006 Flat Rock Creek LDA
5AFRC014.70	VAC-K03R_FRC02A06	TM	CM10	0	8	S	0	8	S	0	8	S	4	9	IM																						2006 Flat Rock Creek LDA
5AFTS002.93	VAT-K13R_FTS01A04	A	CM30							0	12	S	0	12	S																						
5AGHB002.52	VAT-K34R_ZZZ01A00	B,FPM	CU60							0	1	IN	0	1	IN				0	S			0	S							J							Benthic ProbMon VCPMI [IN - 2010: S = 10.4, F = dry N/A]; Sed = S, 2010.
5AGMN000.54	VAP-K29R_GMN01A02	TM	CU45	0	12	S	2	11	IM	0	12	S	0	9	S																						Class VII; aka PL-5B; no data since 2010 cycle
5AGMN003.19	VAP-K29R_GMN01A10	TM	CU45	0	11	S	2	10	IM	0	11	S	0	10	S																						Class VII; aka PL-5A; no data since 2010 cycle
5AGRV000.08	VAP-K23R_ROW01A98	A,B,SS,TM	CU27	0	28	S	1	28	S	0	28	S	2	24	S							0	S								FS						Class VII water; no data since 2010 cycle; 2007-2008 benthics
5AGRV004.35	VAP-K23R_ROW01A98	A	CU27	0	12	S	4	12	IM	0	12	S	0	12	S																						Class VII water; no new data since 2012 cycle
5AGSE001.35	VAP-K23R_GSE01A98	TM	CU30	0	12	S	3	12	IM	0	12	S	2	12	IM																						Class VII water
5AGTC000.38	VAP-K06R_GTC05B00	TM	CM16	0	11	S	0	11	S	0	11	S	1	12	S																						No data since 2010 cycle
5AGTC004.82	VAP-K06R_GTC05B00	TM	CM16	0	11	S	0	11	S	0	11	S	1	12	S																						No data since 2010 cycle
5AGTC005.40	VAP-K06R_GTC05B00	A,TM	CM16	0	17	S	0	17	S	0	17	S	1	18	S							0	S														No data since 2010 cycle
5AGTC006.97	VAP-K06R_GTC04B00	TM	CM16	0	11	S	0	11	S	0	11	S	5	12	IM																						No data since 2010 cycle
5AGTC009.94	VAP-K06L_GTC03B00	L,C	CM16	0	50	S	0	34	S	0	50	S	0	18	S							0	S						1	O	0	S				0	1	IN	Only 1 DO violation during NS period TSI(TP) = 45, TSI(CA) = 41, TSI(SD) = 55 2007FT PCB ok, Pest ok,Metals Hg 1sp(largemouth bass);No new data since 2010 cycle
5AGTC013.62	VAP-K06R_GTC02B00	TM	CM16	0	11	S	0	11	S	0	11	S	3	12	IM																						No data since 2010 cycle
5AGTC015.20	VAP-K06R_GTC01C10	TM	CM16	0	11	S	0	11	S	0	11	S	1	12	S																						No data since 2010 cycle
5AGTC017.75	VAP-K06R_GTC01C10	TM	CM16	0	11	S	0	11	S	0	11	S	6	12	IM																						No data since 2010 cycle
5AGTC020.71	VAP-K06R_GTC01C10	TM	CM16	0	11	S	0	11	S	0	11	S	7	12	IM																						No data since 2010 cycle
5AGTC022.59	VAP-K06R_GTC01B00	TM	CM16	0	11	S	0	11	S	0	11	S	0	12	S																						No data since 2010 cycle
5AGTC023.89	VAP-K06R_GTC01B00	TM	CM16	0	11	S	1	11	S	0	11	S	1	11	S																						No data since 2010 cycle
5AGTC025.70	VAP-K06R_GTC01A00	TM	CM16	0	11	S	1	11	S	1	11	S	0	11	S																						No data since 2010 cycle

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chowan River and Dismal Swamp Basin																																					
5AGTO001.16	VAP-K05R_GTO01A94	TM	CM13	0	12	S	0	12	S	0	12	S	5	12	IM																							No data since 2010 cycle
5AHAY000.38	VAP-K05R_HAY01A10	TM	CM14	0	11	S	2	11	IM	5	11	IM	1	10	S																							No data since 2010 cycle
5AHIC001.35	VAP-K05R_HIC01A10	TM	CM14	0	12	S	0	12	S	1	12	S	2	12	IM																							No data since 2010 cycle
5AHOU000.47	VAP-K10R_HOU01A10	TM	CM22	0	8	S	1	8	IN	0	8	S	0	8	S																							No data since 2010 cycle
5AHQS006.22	VAP-K24R_HQS01A98	A	CU33	0	12	S	4	12	IM	0	12	S	1	12	S																							Class VII water
5AHRA000.06	VAP-K23R_HRA01B10	TM	CU26	0	12	S	5	12	IM	0	12	S	1	12	S																							Class VII water; no data since 2010 cycle
5AHRA002.92	VAP-K23R_HRA01B10	TM	CU26	0	13	S	3	13	IM	0	13	S	0	12	S																							Class VII water; no data since 2010 cycle
5AHRA004.16	VAP-K23R_HRA01B10	C	CU26																									1	IM	0	S							Class VII water; 2007 FT: Hg 2 sp (bowfin excluded, flier sunfish, warmouth sunfish), PCBs ok, pest ok
5AHRA010.94	VAP-K23R_HRA01B10	A,TM	CU26	0	28	S	5	28	IM	0	28	S	0	24	S						0	S															Class VII water; no data since 2010 cycle
5AHRA014.59	VAP-K23R_HRA01B10	TM	CU26	0	13	S	5	13	IM	0	13	S	0	12	S																							Class VII water; no data since 2010 cycle
5AHRA016.25	VAP-K23R_HRA01A04	TM	CU26	0	13	S	7	13	IM	0	13	S	0	12	S																							Class VII water; no data since 2010 cycle
5AHRA-PETE-07-NPS	VAP-K23R_HRA01A04	NONA	CU26	0	31	S	18	30	IM	0	28	S																									NPS - level 3 - Class VII water
5AHRS006.30	VAP-K19R_HRS02A08	TM	CU17	0	1	W	0	1	W	0	1	W									0	IN															Class VII water; no data since 2010 cycle - DO impairment
5AHUR001.91	VAC-K16R_HUR01A04	A	CU08				2	6	IM																											2014 - No Data in Cycle
5AHUR004.26	VAC-K16R_HUR02A04	C	CU08																				0	S	1	O	0	S	0	S							02 Sed C-Dane
5AHZL000.77	VAP-K32R_CPP01B06	A,B	CU58	0	2	S	0	2	S	0	2	S																			IN						2011 benthics
5AIVY001.00	VAP-K29R_IVY01A10	TM	CU44	0	13	S	8	13	IM	0	13	S	0	12	S																							Class VII; no data since 2010 cycle
5AJCH002.27	VAP-K32R_CPP01B06	TM	CU58	0	12	S	2	12	IM	0	12	S	2	11	IM																							Class VII; no data since 2010 cycle
5AJCK004.81	NC	A	CM26		10	NA		10	NA		10	NA		10	NA																							North Carolina; no new data since 2012 cycle
5AJNH001.73	VAP-K23R_JNH01A98	A,B	CU29	0	24	S	6	24	IM	0	24	S	6	24	IM						0	S									IN						Class VII water; 2008 benthics
5AJNS001.89	VAT-K38R_ZZZ01A00	A	CL01	0	6	S	5	6	IM	0	6	S	2	6	IM																							
5AJOE003.92	VAP-K23R_JOE01A10	TM	CU31	0	10	S	2	10	IM	0	10	S	2	9	IM																							Class VII water - no data since 2010 cycle
5AKIT000.67	VAC-K02R_KIT01A06	TM,B	CM07	0	13	S	0	13	S	0	13	S	5	12	IM																J						2008 Meherrin River TMDL 2012 Bio Kits Creek exhibits high seasonal variability. Further sampling is required to accurately characterize water quality within the reach. Spring taxa are dominated by the filtering FFG while fall taxa are more evenly distributed.
5AKIT002.65	VAC-K02R_KIT01A06	FPM,B	CM07	0	2	S	0	2	S	0	2	S	1	1	IM				0	W	0	S	0	W	0	W					IM						2004-2005 Probabilistic Monitoring 2011 Bio Limited instream habitat consisted of riffles dominated by bedrock. Excellent riparian zone. Reach may be subject to storm scour due to prevalence of bedrock substrate.
5AKTS002.63	VAC-K01R_KTS01A14	FPM,B	CM03	0	1	W	0	1	W	0	1	W							0	W											J						2012 FPM Kits Creek exhibits high seasonal variability. The spring sample was dominated by the filterer FFG (Simuliidae) while the fall was more balanced among the FFG. Further sampling is required to accurately characterize water quality within the reach.
5ALCC000.54	VAP-K23R_ROW03A06	TM	CU28	0	13	S	5	13	IM	0	13	S	0	12	S																							Class VII; no data since 2010 cycle
5ALDB000.03	VAC-K02R_LDB01A10	A	CM04	0	12	S	2	12	IM	0	12	S	8	12	IM																							Check 7Q10
5ALLD001.54	VAP-K18R_LLD01A10	SS,B	CU14	0	7	S	0	7	S	1	7	S																			FS						2007-2010 benthics; no new data since 2012 cycle
5ALNG000.77	VAP-K10R_LNG01A10	TM	CM22	0	12	S	0	12	S	2	12	IM	0	12	S																							No data since 2010 cycle
5ALNT004.68	VAC-K15R_LNT01A00	A,TM	CU06	0	16	S	0	16	S	0	15	S	5	13	IM						0	S															2006 Nottoway Basin TMDL
5ALNT009.80	VAC-K15R_LNT01A00	TM	CU06	0	12	S	0	12	S	0	11	S	3	12	IM																							2006 Nottoway Basin TMDL
5ALTD005.10	VAT-K35L_LTD01A02	L	CU64	0	51	S	14	51	IM	0	51	S	0	13	S						0	S													1	2		Airfield Pond pooled nutrient data: Chlorophyll a (1 viol / 2 obs) IN/O 2008, 2011 (no algaecide application). Airfield Pond pooled pH data: pH (0 viol / 51 obs) S. Water Toxics: NH3 = S.
5ALTG001.50	VAP-K05R_LTG01A10	FPM,B	CM13	0	2	S	0	2	S	1	2	IN	0	1	W				0	IN	0	S	0	S							IM						2008 Probmon; no data since 2010 cycle
5ALTH001.58	VAC-K14R_LTH01A08	A	CU03	0	12	S	0	12	S	0	12	S	1	12	S						0	S															2014 - Bacteria Delist
5A-LTH-LUN05-SSWCD	VAC-K14R_LTH01A08	CMON	CU03										6	36	IN/O																						Southside SWCD Station - Level II Coliscan Category 3C
5ALTL001.38	VAP-K10R_LTL01A12	FPM,B	CM23	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S	0	S							IN						2009 Probmon; no new data since 2012 cycle
5ALZT000.12	VAC-K15L_LZT01L00	L,C	CU05	0	68	S	2	26	S	2	68	S	1	12	S						0	S	0	S	0	S	2	IM	0	S		1	2	IN/O	0	2	2003 & 2008 Nottoway Pond 2007 FT Sampling Hg 2 Species
5ALZT001.39	VAC-K15R_LZT01A10	A	CU05	0	12	S	2	12	IM	0	12	S	2	12	IM						0	S															
5AMAR001.65	VAT-K38R_MAR01A06	A	CL03				1	5	IN/O	0	6	S	1	6	IN/O						0	S															Water Tox=NH3 FS - Retained
5AMCC000.08	VAP-K26R_MCC01A00	A	CU38	0	15	S	2	15	IM	0	15	S	2	15	IM																							Class VII; no new data since 2012 cycle- two temp, DO data points not available during the 2012 cycle
5AMDT001.20	VAC-K14R_MDT01B06	TM	CU02	0	12	S	0	12	S	0	11	S	0	12	S																							2006 Nottoway Basin TMDL
5AMDT004.94	VAC-K14L_MDT01L00	L,C	CU02	0	29	S	0	9	S	0	29	S	0	7	S						0	S	0	S	0	S	1	O	0	S					0	1	2007 Modest Creek Reservoir Only one sample year 2007 FT Sampling Hg 1 Species
5AMHN023.40	VAT-K13R_MHN01A00	A,TR	CM32	0	36	S	0	36	S	0	36	S	3	35	S																							
5AMHN026.54	VAP-K09R_MHN01D98	C	CM21																								2	IM	0	S							2007 FT: Hg 3 sp (bowfin excluded, largemouth bass, channel catfish, redhorse sucker), As 1 sp (bowfin) (OE), PCBs ok, pest ok

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chowan River and Dismal Swamp Basin																																					
5AMHN051.43	VAP-K09R_MHN01D98	C	CM20																								1	O	1	O								2007 FT: Hg 1 sp (bowfin excluded, largemouth bass), As - 1 sp bowfin (OE), PCBs 1 sp (redhorse sucker), pest ok
5AMHN052.34	VAP-K09R_MHN01D98	A,TR	CM20	0	36	S	6	36	IM	0	36	S	1	35	S																						Trend Station - increasing pH - decreasing TP, TSS
5AMHN053.00	VAP-K08L_MHN02C98	C	CM19																								1	IM									2007 Hg in chain Pickerel and Largemouth Bass and Redear Sunfish
5AMHN053.29	VAP-K08L_MHN02C98	L	CM19	0	33	S	2	31	S	0	33	S	0	7	S						0	S															PWS;'2/19 in epilimnion/NS; 2002 sed - Cu (from algaecide application?) 1/2 in hypolimnion TSI(TP) = 50, TSI(SD) = 65 pooled DO= 6 vios/58 obs (S); pooled pH =0 vios/64 obs (S); No new data since 2010 Cycle
5AMHN057.92	VAP-K08L_MHN02C98	L	CM19	0	31	S	4	31	IM	0	31	S	0	7	S						0	S															PWS; pooled DO= 6 vios/62 obs (S); pooled pH =0 vios/64 obs (S), No new data since 2010 cycle
5AMHN060.95	VAP-K08R_MHN01B10	TM	CM19	0	11	S	0	11	S	4	11	IM	3	12	IM																						No data since 2010 cycle
5AMHN068.30	VAP-K05R_MHN03B98	A,TM	CM17	0	17	S	0	17	S	0	17	S	4	18	IM						0	S															No data since 2010 cycle
5AMHN073.98	VAP-K05R_MHN03B98	A,TM	CM14	0	17	S	0	17	S	0	17	S	7	18	IM						0	S															No data since 2010 cycle
5AMHN075.24	VAP-K05R_MHN03B98	TM	CM14	0	12	S	0	12	S	1	12	S	4	11	IM																						No data since 2010 cycle
5AMHN082.13	VAP-K05R_MHN01B98	A,TM,TR	CM14	0	42	S	0	42	S	1	42	S	17	41	IM																						Trend Station - increasing pH, TN, TSS - decreasing SC
5AMHN093.07	VAP-K04R_MHN01B10	TM	CM11	0	12	S	0	12	S	0	12	S	5	12	IM																						No data since 2010 cycle
5AMHN098.80	VAP-K04R_MHN01A06	A,B	CM11	0	2	S	0	2	S	0	2	S																			IN						2012 benthics
5AMHN102.61	VAC-K03R_MHN03A08	A,TM	CM09	0	24	S	0	24	S	0	24	S	5	14	IM						0	S															2008 Meherrin River TMDL
5AMHN104.12	VAC-K03R_MHN03A08	FPM,B	CM09	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W	0	W					J						2009 FPM This site was monitored as part of the Probabilistic Monitoring Program. It was very wide and shallow, with decent epifaunal substrate and pronounced sediment deposition. Condition of stream drastically different seasonally, therefore an accurate assessment is not possible without collecting additional data. This site was part of the probabilistic monitoring program and can only be accessed via private land; therefore it will not be revisited. Follow-up monitoring will be conducting at a nearby bridge.
5AMHN105.36	VAC-K03R_MHN02A04	FPM,B	CM09	0	2	S	0	2	S	0	2	S							0	W	0	S	0	W	0	W					J						2001 Probabilistic Monitoring Large river non-target for current DEQ sampling techniques; river is rarely wadeable at this site. Not assessed. Recommend future sampling with appropriate large river methods currently under development.
5AMHN108.37	VAC-K03R_MHN01A00	A	CM09	0	12	S	0	12	S	0	12	S	3	12	IM						0	S															
5AMLL000.03	VAC-K15R_MLL01A06	FPM,B	CU05	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S									IM						2012 FPM Sediment metrics scored moderate to low with the presence of beaver activity and filamentous algae.
5AMLL001.27	VAC-K15R_MLL01A06	TM	CU05	0	12	S	0	12	S	0	11	S	1	12	S																						2006 Nottoway Basin TMDL
5AMLS000.77	VAP-K12R_MLS01A00	TM	CM27	0	12	S	7	12	IM	0	12	S	0	12	S																						Class VII; no data since 2010 cycle
5AMLS001.42	VAP-K12R_MLS01A00	C	CM27																								1	IM									Class VII; 2007 FT: Hg 4 sp (bowfin excluded, largemouth bass, black crappie, flier sunfish, bluegill sunfish)
5AMLS005.42	VAP-K12R_MLS01A00	A	CM27	0	12	S	4	12	IM	0	12	S	1	12	S						0	S															Class VII; no data since 2010 cycle
5AMMR000.69	VAC-K01R_MMR01A98	TM	CM01	0	12	S	0	12	S	0	12	S	3	12	IM						0	S															2008 Meherrin River TMDL
5AMMR008.77	VAC-K01R_MMR02A08	A,B	CM01	0	13	S	0	13	S	0	13	S	2	12	IM						0	S										IM						2012 Bio Sediment metrics are moderate to low. Filterer FFG dominates spring and fall samples indicating possible nutrient enrichment.
5AMRN000.38	VAP-K29R_MRN01A12	A,B	CU46	0	12	S	1	12	S	1	12	S	0	11	S																	FS						2009 benthics; no new data since 2012 cycle
5AMSA001.80	VAT-K38R_ZZZ01A00	B,FPM	CL03	0	2	S	2	2	IM	1	2	IN/O	0	1	IN				0	S			0	S							J						Benthic ProbMon VCPMI [J - Reserve Judgement- 2011: S= 15.5, F= 18.5]Sed = S, 2007
5AMSC002.30	VAC-K03R_MSC01A10	A,B	CM08	0	14	S	0	14	S	0	14	S	0	12	S						0	S										IM						2011 Bio Habitat scores and Taxa lists indicate habitat is a limiting factor in Masons Creek. Collector FFG dominate both samples indicating a slow moving system with detritus inputs.
5AMSN001.62	VAP-K19R_MSN01A10	A	CU15	0	17	S	2	17	IM	3	17	IM	2	17	IM						0	S															No new data since 2012 cycle - two data points not available during the 2012 cycle
5AMSP000.16	VAT-K28R_MSP01A06	A	CU47	0	12	S	3	12	IM	2	12	IM	4	12	IM						0	S															
5AMSW006.77	VAT-K34R_MSW01A00	A	CU60							0	12	S	2	12	IM																						
5AMTR001.65	VAP-K21R_MTR01A14	A	CU25	0	11	S	3	11	IM	5	11	IM	4	11	IM																						
5ANBT001.26	VAP-K23R_NBT02A00	TM	CU31	0	12	S	3	12	IM	0	12	S	1	11	S																						Class VII; no data since 2010 cycle
5ANBT003.47	VAP-K23R_NBT02A00	TM	CU31	0	13	S	3	13	IM	0	13	S	0	12	S																						Class VII; no data since 2010 cycle
5ANMR007.11	VAC-K02R_NMR02B04	FPM	CM07																0	W																	2002 Probabilistic Monitoring No documentation of sampling event from PRO. No Bio Assessment made.
5ANMR007.90	VAC-K02R_NMR02B04	A,B	CM07	0	4	S	0	4	S	0	4	S																			IM						2008/2009/2012 Bio - Tied to 2002 FPM This is a large incised stream with high sediment deposition that appears to flood often. Habitat is sparse and consists mostly of snags, and banks are moderately stable. Water was low for fall 2010 sample. Additional samples in 2012 indicate limited habitat may prevent a balanced community. Only wadeable when water is low, so perhaps this site is non-target.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chowan River and Dismal Swamp Basin																																					
5ANMR013.95	VAC-K02R_NMR01A98	A,B,TM,TR	CM07	0	56	S	0	56	S	0	56	S	5	37	IM						0	S									IM							2014 - Impaired for EC Trend Analysis Performed - No statistically significant trends were detected 2008 Meherrin River TMDL 2008 Bio This section of the North Meherrin River has incised banks and a high rate of sedimentation. Cobble surfaces in riffles were dominated by periphyton.
5ANMR029.33	VAC-K02R_NMR03A12	FPM,B	CM04	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W							FS							2010 FPM This site was sampled as part of the Probabilistic Monitoring program. The stream had good epifaunal substrate but increased sediment deposition.
5ANTT002.96	VAT-K28R_NTT01A12	A	CU49	0	11	S	5	11	IM	8	11	IM	0	11	S																							
5ANTT-ORP-BNR	VAT-K28R_NTT01A12	CMON	CU49	0	13	IN	4	13	IN/O	1	12	IN	0	13	IN																							CMON Level II pH Data
5ANTW000.38	VAT-K30R_NTW02B14	C	CU51																								12	IM	0	S								07-IM FT_Met Hg, As Largemouth Bass, Bowfin, Pickerel, Yellow Perch, Sunfish & Catfish, 07-FT_PCB
5ANTW003.30	VAT-K30R_NTW02B14	A,C,SS,TR	CU51				4	36	IM	0	36	S	0	35	S												6	IM										07-IM FT_Met Hg, As Largemouth Bass, Bowfin, Sunfish, Pickerel, Catfish & Lognose Gar, 07-FT_PCB
5ANTW013.76	VAT-K30R_NTW02A08	A,B	CU51				0	4	S	0	4	S	0	2	S																FS							Benthic VCPMI [FS- 2007: S = 32.0, F = 61.3, 2008 - S= 34.8, F=54.9, 2009 - S= 39.4, F= 35.1, 2010 - S = 30.2, F = 51.9, 2011 - S= 46.7, F= 28.2, 2012 - S= 23.4, F= 50.4], Partial Delist - Aquatic Life Use - Benthic
5ANTW015.60	VAT-K30R_NTW02A08	A,B	CU51				0	4	S	0	4	S	0	2	S																FS							Benthic VCPMI [FS -2007- S= 25.5, F= 48.1 ,2008 - S= 22.2, F = 48.8, 2009 - S = 42.5, F = 50.2, 2010- S= 56.8, F = 57.4, 2011 - S= 26.0, F = 71.7, 2012- S= 14.9, F = 83.6], Partial Delist - Aquatic Life Use - Benthic
5ANTW015.99	VAT-K30R_NTW01A08	A,TR	CU51				1	36	S	0	36	S	3	36	S																							Partial Delist - Recreation Use
5ANTW016.45	VAT-K28R_NTW03A00	A,B	CU48				0	4	S	0	4	S	0	2	S																FS							Benthic VCPMI [FS - 2007: S =6.1, F=24.3, 2008 - S = 25.0, F = 71.5, 2009 - S= 52.2, F = 59.9, 2010 - S = 51.7, F = 64.3, 2011 - S = 29.4, F = 33.0, 2012 - S = 28.1, F = 71.4], Partial Delist - Aquatic Life Benthic
5ANTW029.65	VAT-K28R_NTW02A00	B,FPM	CU48				0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							Benthic ProbMon VCPMI [FS - 2009: S= 68.7, F=65.7], Partial Delist - Aquatic Life Benthic, Sed = S, 2009.
5ANTW035.44	VAT-K28R_NTW01A00	A,C,TR	CU43	0	36	S	1	36	IN	1	36	IN	1	35	IN												11	IM	0	S								07-IM, FT_Met Hg, As Bowfin, Largemouth Bass, Redhorse Sucker, Catfish & Sunfish 07-OE
5ANTW049.06	VAP-K24R_NTW04B00	A	CU32	0	12	S	0	12	S	1	12	S	1	12	S						0	S																No data since 2010 cycle
5ANTW051.60	VAP-K24R_NTW04B00	FPM,B	CU32	0	1	W	0	1	W	0	1	W	0	1	W				0	IN	0	IN	0	S							FS							2007 Probmon; no data since 2010 cycle
5ANTW066.95	VAP-K23R_NTW02B00	FPM,B	CU30	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S									FS							2012 probmon
5ANTW078.20	VAP-K19R_NTW01B00	A,TR	CU18	0	36	S	0	36	S	0	36	S	2	36	S																							Trend Station - increasing pH - decreasing SC
5ANTW091.70	VAP-K19R_NTW01C08	A,C	CU17	0	12	S	0	12	S	0	12	S	0	12	S												2	IM	0	S								2007 FT: Hg 3 sp (bowfin excluded, largemouth, smallmouth, golden redhorse sucker), As 1 sp (OE) (bowfin), pest ok, PCBs ok; PWS
5ANTW098.82	VAP-K19R_NTW02A06	FPM,B	CU15	0	1	W	0	1	W	0	1	W	0	1	W				0	S	0	S	0	S							FS							2010 Probmon; no new data since 2012 cycle
5ANTW109.02	VAP-K17R_NTW01A00	A,TR	CU13	0	36	S	0	36	S	1	36	S	7	36	IM																							Trend Station - decreasing temp, SC, TP
5ANTW115.32	VAC-K16R_NTW01A02	A	CU11																																			USGS Temperature Data Level III - 0/13
5ANTW118.04	VAC-K16R_NTW01A02	C	CU11																				0	S	0	S	1	O	1	O								2007 FT Sampling OE - PCB 1 Species, As 1 Species, Hg 1 Species
5ANTW126.94	VAC-K16R_NTW01B04	A	CU09	0	12	S	0	11	S	0	12	S	2	12	IM						0	S																
5ANTW127.14	VAC-K16L_NTW01L04	L,C	CU09	0	60	S	3	47	S	0	60	S	0	21	S						0	S	0	S	0	S	1	O	0	S		2	3	IM	0	3		2006, 2009-2010 Fort Pickett Reservoir Algaecides Applied/Aerated Lake 2007 FT Sampling OE - As 1 Species & Pb 1 Species
5ANTW128.67	VAC-K16L_NTW01L04	L	CU07	0	24	S	2	18	IM	0	24	S	0	7	S						0	S	0	S	0	S												2006 Fort Pickett Reservoir Not in Lacustrine Zone Pooled Data: DO - 2/48 Violation Rate pH - 1/28 Violation Rate 2012 - Lake station dropped since not in lacustrine zone
5ANTW134.52	VAC-K14R_NTW01C98	FPM,B	CU04	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W	0	W					IM							2007 Probmon This section of the Nottoway River had very slow-moving water and limited habitat availability, mostly in the form of large woody debris. Sediment deposition in the river was relatively high and banks were marginally stable. The flow was low in the fall due to the drought.
5ANTW136.52	VAC-K14R_NTW01C98	C,TM	CU04	0	12	S	0	12	S	0	11	S	1	12	S								0	S	0	S	0	S	0	S								2006 Nottoway Basin TMDL 2002 FT/Sed; Previously listed as 5ANTW132.93
5ANTW142.08	VAC-K14R_NTW01B06	TM	CU04	0	12	S	0	12	S	0	11	S	1	12	S																							2006 Nottoway Basin TMDL
5ANTW143.06	VAC-K14L_NTW01L00	L,C	CU04	0	88	S	7	39	IM	5	88	S	2	14	IM						0	S					2	IM	0	S								2007/2011-2012 Nottoway Falls Lake Nutrients Not Assessed - Not in Regulation 2007 FT Sampling Hg 2 Species OE - As 1 Species

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chowan River and Dismal Swamp Basin																																					
5ANTW153.04	VAC-K14R_NTW01A98	FPM,B	CU01	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W	0	W					FS							2009 FPM This site was sampled as part of the Probabilistic Monitoring program. The stream had marginal epifaunal substrate, marginally unstable banks, and increased sediment deposition .
5ANTW155.06	VAC-K14R_NTW01A98	A,TM,TR	CU01	0	41	S	1	41	S	0	41	S	7	36	IM						0	S																2006 Nottoway Basin TMDL
5A-NTW-LUN06-SSWCD	VAC-K14R_NTW01C98	CMON	CU04										2	34	IN																							Southside SWCD Station - Level II Coliscan Category 3C
5A-NTW-LUN07-SSWCD	VAC-K14R_NTW01A98	CMON	CU01										3	36	IN																							Southside SWCD Station - Level II Coliscan Category 3C
5AOTD004.31	VAP-K26R_OTD01A98	A	CU39	0	12	S	8	12	IM	0	12	S	1	12	S																							Class VII; no new data since 2012 cycle - two temp, DO data points not available during the 2012 cycle
5AOTR001.26	VAP-K32R_OTR02A00	A,TM	CU56	0	21	S	8	21	IM	0	21	S	4	21	IM																							Class VII; aka PL-2C
5AOTR004.31	VAP-K32R_OTR02A00	TM	CU56	0	12	S	6	12	IM	0	12	S	1	12	S																							Class VII; aka PL-6B; no data since 2010 cycle
5AOTR005.69	VAP-K32R_OTR02A00	TM	CU56	0	12	S	0	12	S	0	12	S	0	12	S																							Class VII; aka PL-6A; no data since 2010 cycle
5APNS001.15	VAP-K29R_PNS01A02	TM	CU44	0	12	S	5	12	IM	0	12	S	0	11	S																							Class VII; no data since 2010 cycle
5APRK002.12	VAP-K29R_PRK01A10	TM	CU45	0	9	S	2	8	IM	0	9	S	1	7	IN																							Class VII; no data since 2010 cycle
5AQRL000.54	VAP-K10R_QRL01A10	TM	CM23	0	12	S	5	12	IM	1	12	S	0	11	S																							No data since 2010 cycle
5ARAN002.62	VAP-K17R_RAN01A10	FPM,B	CU13	0	2	S	1	2	IN	0	2	S	0	1	W				0	IN	0	IN	0	S							IN							2007 Probmon
5ARCN003.36	VAP-K25R_RCN01A02	A,B	CU35	0	13	S	7	13	IM	0	13	S	2	11	IM						0	S									IN							Class VII; no data since 2010 cycle; 2008 benthics
5ARCY000.90	VAP-K10R_RCY01A10	TM	CM23	0	12	S	4	12	IM	2	12	IM	0	11	S																							extremely low DO; no data since 2010 cycle
5ARDC001.51	VAP-K08R_RDC01A98	FPM,B	CM18	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S	0	S							FS							2010 Probmon; no new data since 2012 cycle
5ARDC003.33	VAP-K08R_RDC01A98	TM	CM18	0	11	S	0	11	S	1	11	S	0	12	S																							No data since 2010 cycle
5ARDC007.30	VAP-K08L_RDC01A98	L,C	CM18	0	66	S	9	47	IM	10	66	IM	0	14	S						0	S					1	O	0	S					1	2	IN	All DO violations in hypolimnion TSI(TP) = 64, TSI(CA) = 69, TSI(SD) = 66; 2007FT PCB ok, Pest ok, Metals Hg 1sp(largemouth bass) no new data since 2012 cycle
5ARKN006.40	VAT-K34R_RKN01A02	A,TR	CU61							0	36	S	12	35	IM																							
5ARNS000.94	VAP-K08R_RNS01A10	TM	CM17	0	11	S	0	11	S	0	11	S	2	11	IM																							No data since 2010 cycle
5AROC001.35	VAP-K23R_ROW01A98	TM	CU26	0	6	S	0	6	S	0	6	S	0	5	S																							Class VII water - no data since 2010 cycle
5AROW002.41	VAP-K23R_ROW03B10	A,C	CU28	0	12	S	3	12	IM	0	12	S	1	12	S						0	S					1	IM	0	S								Class VII - 2007 FT: Hg 2 sp (bowfin excluded, chain pickerel, bluegill), PCBs ok, pest ok; no data since 2010 cycle
5AROW004.72	VAP-K23R_ROW03B10	A	CU28	0	12	S	3	12	IM	0	12	S	2	12	IM																							Class VII; no new data since 2012 cycle - two temp, pH data points not available during the 2012 cycle
5AROW007.62	VAP-K23R_ROW03B10	FPM,B	CU28	0	1	W	0	1	W	0	1	W	0	1	W				0	IN	0	IN	0	S							IN							Class VII; 2010 sed Probmon; no new data since 2012 cycle
5AROW008.64	VAP-K23R_ROW03B10	TM	CU28	0	13	S	4	13	IM	0	13	S	0	12	S																							Class VII; no data since 2010 cycle
5AROW013.14	VAP-K23R_ROW03B10	A,TM	CU28	0	25	S	5	25	IM	0	25	S	3	24	IM																							Class VII
5ARSE000.23	VAP-K07R_RSE01A96	TM	CM15	0	11	S	0	11	S	0	11	S	4	12	IM																							No data since 2010 cycle
5ARSE001.22	VAP-K07R_RSE01A96	A,TM	CM15	0	23	S	0	23	S	0	23	S	7	24	IM																							
5ARSE009.30	VAP-K07R_RSE01A96	TM	CM15	0	1	W	1	1	W	0	1	W									0	IN																No new data since 2012 cycle
5ARSE009.70	VAP-K07R_RSE01A96	TM	CM15	0	1	W	1	1	W	0	1	W									0	IN																No new data since 2012 cycle
5ARSK000.23	VAP-K10R_RSK01A00	TM	CM22	0	10	S	1	10	S	1	10	S	1	10	S																							No data since 2010 cycle
5ARSK003.08	VAP-K10R_RSK01A00	A,TM	CM22	0	24	S	4	24	IM	1	24	S	2	24	S																							
5ARSK006.97	VAP-K10R_RSK01A00	TM	CM22	0	12	S	6	12	IM	0	12	S	0	12	S																							No data since 2010 cycle
5ARSK009.28	VAP-K10R_RSK01A00	TM	CM22	0	12	S	4	12	IM	0	12	S	0	12	S																							No data since 2010 cycle
5ARSK011.59	VAP-K10R_RSK01A00	TM	CM22	0	10	S	2	10	IM	0	10	S	1	10	S																							No data since 2010 cycle
5ARYK002.34	VAC-K02R_RYK01A08	A,TM	CM07	0	24	S	0	24	S	0	24	S	2	14	IM																							2008 Meherrin River TMDL
5ARYR000.62	VAP-K07R_RYR01A08	TM,B	CM15	0	22	S	0	22	S	0	22	S	4	11	IM																	IM							No E. coli data since 2010 cycle; 2012 benthics
5ARYR001.23	VAP-K07R_RYR01A08	A,B	CM15	0	11	S	0	11	S	0	11	S									0	S									IM							2011 benthics
5ASAP001.46	VAP-K22R_SAP01B00	A	CU24	0	12	S	1	12	S	0	12	S	1	11	S																							
5ASAP013.69	VAP-K22R_SAP01A00	A	CU23	0	11	S	1	11	S	0	11	S	3	11	IM																							No new data since 2012 cycle
5ASCK006.96	VAT-K35R_SCK02A08	A,TR	CU65							0	30	S	7	30	IM																							
5ASCK013.24	VAT-K35R_SCK04A10	A	CU63							0	12	S	1	12	S																							
5ASEC001.11	VAP-K31R_SEC01B10	TM	CU52	0	12	S	5	12	IM	0	12	S	1	11	S																							Class VII; no data since 2010 cycle
5ASEC005.39	VAP-K31R_SEC01B10	TM	CU52	0	12	S	7	12	IM	0	12	S	1	12	S								0	S														Class VII; no data since 2010 cycle
5ASEC006.88	VAP-K31R_SEC01B10	TM	CU52	0	11	S	6	11	IM	0	11	S	1	11	S																							Class VII - no data since 2010 cycle
5ASEC008.74	VAP-K31R_SEC01A04	TM	CU52	0	12	S	4	12	IM	0	12	S	2	12	IM																							Class VII; no data since 2010 cycle
5ASEC010.97	VAP-K31R_SEC01A04	TM	CU52	0	12	S	6	12	IM	0	12	S	0	12	S																							Class VII; no data since 2010 cycle
5ASEC012.54	VAP-K31R_SEC01A04	TM	CU52	0	12	S	8	12	IM	0	12	S	0	12	S																							Class VII; no data since 2010 cycle
5ASEC014.08	VAP-K31R_SEC01A04	TM	CU52	0	12	S	2	12	IM	0	12	S	2	12	IM																							Class VII; sewage leaking from manhole upstream side of Rt. 1140 at golf course - both E. coli violations high - >8000 & 2700; no data since 2010 cycle
5ASHN000.77	VAP-K04R_SHN01A06	A,TM	CM11	0	24	S	0	24	S	0	24	S	12	23	IM																							
5ASMR007.48	VAC-K01R_SMR01A06	A,TM	CM03	0	36	S	0	36	S	0	36	S	6	25	IM						0	S																2008 Meherrin River TMDL
5ASNY000.65	VAP-K04R_SNY01A96	TM	CM11	0	12	S	0	12	S	0	12	S	3	12	IM																							No data since 2010 cycle
5ASNY003.19	VAP-K04R_SNY01A96	FPM,B	CM11	0	3	S	0	3	S	0	3	S	0	1	W				0	IN	0	S	0	S							IN							2011 probmon
5ASRE002.12	VAP-K29R_SRE01A02	A,B,TM	CU45	0	22	S	8	21	IM	0	22	S	4	21	IM						0	S									IN							Class VII; aka PL-4E; no data since 2010 cycle; 2008 benthics

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chowan River and Dismal Swamp Basin																																					
5ASRE005.89	VAP-K29R_SRE01A02	TM	CU45	0	12	S	5	11	IM	0	12	S	1	10	S						0	S																Class VII; no data since 2010 cycle - ammonia not available in 2012 cycle
5ASRN000.65	VAP-K32R_SRN01A94	B,TM	CU55	0	63	S	10	63	IM	12	63	IM	6	48	IM						1	O									IM							Class VII; high pH violations; 2005-2007 benthics; chronic ammonia exceedance
5ASRN000.66	VAP-K32R_SRN01A94	TM	CU55	0	60	S	15	60	IM	11	60	IM									0	S																Class VII; high pH violations
5ASRN001.24	VAP-K32R_SRN01A94	B,TM	CU55	0	64	S	10	64	IM	0	64	S									0	S									IM							Class VII; 2007 and 2009 benthics
5ASRN001.90	VAP-K32R_SRN01A94	TM,B	CU55	0	64	S	18	64	IM	0	63	S									0	S									IM							Class VII; 2007 and 2009 benthics
5ASRN001.99	VAP-K32R_SRN01A94	TM	CU55	0	59	S	27	59	IM	0	59	S									0	S																Class VII
5ASRN003.69	VAP-K32R_SRN01A94	TM	CU55	0	40	S	2	40	S	0	40	S									0	S																Class VII
5ASRN003.82	VAP-K32R_SRN02A06	TM	CU55	0	37	S	4	37	IM	0	37	S									0	S																Class VII
5ASTG002.18	VAP-K18R_STG01A98	A,B	CU14	0	16	S	0	16	S	0	16	S	1	12	S																IN							2011 benthics
5ASTG005.96	VAP-K18R_STG01A98	A	CU14	0	12	S	1	12	S	1	12	S	1	12	S						0	S																No data since 2010 cycle
5ASTG013.22	VAP-K18R_STG01B14	A	CU14	0	12	S	2	12	IM	1	12	S	0	12	S																							No new data since 2012 cycle - two data points not available during the 2012 cycle
5ASTH001.35	VAP-K17R_STH01A12	A	CU13	0	11	S	1	11	S	1	11	S	1	11	S																							No new data since 2012 cycle
5ASTN008.78	VAT-K38R_STN01A00	A,B,TR	CL03							0	36	S	3	35	S																IM							Benthic IM [04 - Retained]
5ASTO001.20	VAP-K21R_STO02B00	A,TR	CU25	0	36	S	0	36	S	0	36	S	2	36	S																							
5ASTO002.58	VAP-K21R_STO02B00	FPM	CU25	0	3	S	0	3	S	0	3	S	0	1	W				0	IN	0	S	0	S															2011 sed
5ASTO006.99	VAP-K21R_STO01B00	C	CU25																									1	IM	0	S							2007 FT: Hg 2 sp (striped bass, flier sunfish), PCBs ok, pest ok
5ASTO013.23	VAP-K21R_STO02C08	A	CU25	0	12	S	1	12	S	0	12	S	0	12	S																							
5ASTO022.61	VAP-K21R_STO02A00	A,B	CU22	0	19	S	0	19	S	1	19	S	0	12	S						0	S									IN							No E. coli data since 2010 cycle; 2012 benthics
5ASTV000.62	VAP-K06R_STV01A10	TM	CM16	0	10	S	0	10	S	1	10	S	5	10	IM																							No data since 2010 cycle
5ASYC003.90	VAC-K16R_SYC01A14	B	CU09	0	1	W	0	1	W	0	1	W																										2012 Bio Seay Creek and its benthic community is limited by available habitat. Hardpan clay is dominant and banks show signs of frequent scouring events. Algae and brown floc observed in slower reached of the stream, indicating a potential for nutrient enrichment.
5ATEA001.47	VAP-K06R_TEA01A10	TM	CM16	0	11	S	0	11	S	0	11	S	9	11	IM																							No data since 2010 cycle
5ATLR001.85	VAP-K04R_TLR01A10	TM	CM12	0	12	S	0	12	S	0	12	S	2	12	IM																							No data since 2010 cycle
5ATLR006.84	VAP-K04R_TLR01A10	FPM,B	CM12	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S	0	S								FS							2010 sed Probmon; no new data since 2012 cycle
5ATMT006.63	VAC-K16R_TMT01A10	A	CU10	0	12	S	4	12	IM	0	12	S	1	12	S						0	S																Check 7Q10
5ATRE008.48	VAT-K27R_TRE02A00	A,C	CU42							1	36	S	9	36	IM													7	IM										07-IM FT_Met Hg, As Largemouth Bass, Sunfish, Bowfin, Pickerel, Eel
5ATRE016.02	VAT-K27R_TRE01A00	A,C,TR	CU40							0	36	S	11	35	IM						0	S						7	IM	0	S								07-IM FT_Met Hg, As Largemouth Bass, Sunfish, Bowfin, Pickerel, Eel
5ATRE022.05	VAP-K26R_TRE02B98	A	CU39	0	13	S	3	13	IM	0	13	S	0	12	S						0	S																Class VII - no data since 2010 cycle - E. coli impairment
5ATRE028.49	VAP-K26R_TRE01B98	FPM,B	CU39	0	2	S	1	2	IN	0	2	S	0	1	W				0	IN	0	IN	0	S								IN							2008 Probmon; Class VII - no data since 2010 cycle
5ATRE038.07	VAP-K26R_TRE01A00	A,B,SS	CU37	0	25	S	0	25	S	0	25	S	2	24	S						0	S									FS							2008 benthics
5ATRO002.00	VAP-K05R_TRO01A10	TM	CM14	0	12	S	0	12	S	1	12	S	10	12	IM																							No data since 2010 cycle
5ATRR002.50	VAT-K13R_TRR01A00	A,TR	CM31							0	36	S	9	36	IM																							
5ATSK000.59	VAC-K02R_TSK01A14	A,B	CM04	0	2	S	0	2	S	0	2	S																				J						2011 Bio Tussekiah Creek exhibits high seasonal variability with a spring VSCI just below the impairment threshold. Bank condition and sediment scores indicate storm scour may be limiting habitat availability.
5AURH001.77	VAP-K26R_URH01A12	A	CU39	0	11	S	4	11	IM	0	11	S	0	11	S																							Class VII; no new data since 2012 cycle - two temp, pH data points not available during the 2012 cycle
5AWAC000.03	VAT-K36R_WAC01A08	SS,TR,CR	CU69				10	35	IM	2	35	S	5	35	IM																							Special Study - Data 2007 - 2012
5AWAQ008.93	VAP-K17R_WAQ01A98	A	CU12	0	12	S	1	12	S	1	12	S	1	12	S																							No new data since 2012 cycle
5AWAQ020.52	VAP-K17R_WAQ01B00	A	CU12	0	12	S	1	12	S	1	12	S	3	12	IM																							No new data since 2012 cycle
5AWIL000.38	VAP-K08R_WIL01A10	SS	CM18	0	1	W	0	1	W	0	1	W							0	S																		No data since 2010 cycle
5AWIL002.42	VAP-K08R_WIL01A10	A,B,TM,SS	CM18	0	35	S	3	35	S	4	35	IM	7	24	IM				0	S												FS							Total Zn result exceeds dissolved Zn standard. Although not a violation, will be OE; High BOD; mulch operation, discolored water; 2007-2012 benthics
5AWKS001.00	VAP-K31R_WKS03A10	A,B,TM	CU54	0	24	S	14	24	IM	0	24	S	3	18	IM																							Class VII; 2007 and 2009 benthics; no new data since 2012 cycle but benthics are delist: After further eval, was determined no defined channel as required for assessment using MACS protocols.
5AWKS002.12	VAP-K31R_WKS03A10	TM	CU54	0	12	S	7	12	IM	0	12	S	4	12	IM																							Class VII - no data since 2010 cycle
5AWKS003.66	VAP-K31R_WKS02A04	TM	CU54	0	12	S	8	12	IM	0	12	S	1	12	S																							Class VII - no data since 2010 cycle
5AWKS006.46	VAP-K31R_WKS02A04	TM	CU54	0	13	S	8	13	IM	0	13	S	0	12	S																							Class VII - no data since 2010 cycle
5AWKS009.11	VAP-K31R_WKS01A00	A,TM	CU54	0	21	S	2	21	S	0	21	S	6	21	IM																							Class VII
5AWKS013.53	VAP-K31R_WKS01A00	TM	CU54	0	12	S	3	12	IM	0	12	S	0	12	S																							Class VII; no data since 2010 cycle
5AWKS016.48	VAP-K31R_WKS01A00	TM	CU54	0	12	S	6	12	IM	0	12	S	2	12	IM																							Class VII - no data since 2010 cycle
5AWKS018.67	VAP-K31R_WKS01A00	TM	CU54	0	10	S	1	10	S	0	10	S	5	10	IM																							Class VII - no data since 2010 cycle
5AWKS019.17	VAP-K31R_WKS01A00	TM	CU54	0	10	S	5	10	IM	0	10	S	1	10	S																							Class VII - no data since 2010 cycle
5AWOK000.54	VAP-K20R_WOK01A00	A	CU20	0	11	S	2	11	IM	0	11	S	0	12	S																							aka PL-10A; no new data since 2012 cycle
5AWSN000.48	VAC-K15R_WSN01A08	A	CU06	0	11	S	0	11	S	0	11	S	2	11	IM																							2014 - New EC Impairment
5AX**-PETE-06-NPS	VAP-K23R_ROW01A98	NONA	CU26	0	5	S	2	5	IM	0	5	S																										NPS - level 3 - Class VII water

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chowan River and Dismal Swamp Basin																																					
5AX**-PETE-08-NPS	VAP-K23R_ROW01A98	NONA	CU26	0	5	S	0	5	S	0	5	S																									NPS - level 3 - Class VII water
5AXAD001.59	VAP-K19R_XAD01A12	TM	CU16	0	12	S	4	12	IM	0	12	S	1	12	S																						No new data since 2012 cycle
5AXAL000.02	VAP-K32R_XAL01A08	TM	CU55	0	24	S	1	24	S	0	23	S	7	24	IM						0	S																Class VII; previously called 5ASRN001.99RBI
5AXAW000.19	VAP-K32R_XAW01A08	TM	CU55	0	61	S	17	61	IM	0	61	S	20	53	IM						0	S																Class VII; elevated ammonia but no violations
5AXBL000.80	VAC-K16R_XBL01A94	A,B	CU08	0	15	S	0	15	S	0	15	S																			IM							2010 Bio 2008 Bio Below Blackstone WWTP
5AXBL001.18	VAC-K16R_XBL02A02	A,B	CU08	0	15	S	0	15	S	0	15	S																			IM							2010 Bio 2008 Bio Above Blackstone WWTP
5AXDR000.38	VAP-K32R_XDR01A06	TM	CU56	0	12	S	8	12	IM	0	12	S	4	12	IM																						Class VII; aka PL-2A; no data since 2010 cycle
5AXDT000.50	VAP-K32R_XDT01A08	TM	CU57	0	8	S	0	8	S	0	8	S	2	8	IM																						Class VII; aka PL-3B; no data since 2010 cycle
5AXDV000.46	VAP-K23R_XDV01A02	TM	CU31	0	12	S	2	12	IM	0	13	S	3	9	IM																						Class VII; aka PL-7D - no data since 2010 cycle
5AXDW001.85	VAP-K29R_XDW01A02	TM	CU46	0	7	S	5	7	IM	0	7	S	1	6	IN						0	S																Class VII; aka PL-5C; no data since 2010 cycle - ammonia not available in 2012 cycle
5AXDX001.35	VAP-K29R_XDX01A02	TM	CU45	0	6	S	0	6	S	0	6	S	1	4	IN						0	S																Class VII; aka PL-4B; no data since 2010 cycle - ammonia not available in 2012 cycle
5AXDZ001.73	VAT-K35R_XDZ01A04	SS	CU64							0	6	S	2	4	IN/O																						Special Study - Data 2007
5AXEC000.76	VAT-K28R_XEC01A14	B,FPM	CU47	0	2	S	1	2	IN/O	2	2	IM	0	1	IN				0	S											IM							Benthic ProbMon VCPMI [IM - 2012: S = 17.1, F = 37.5]; OE - Phosphorus, DO
5AXED000.75	VAT-K35R_SCK04A14	B,FPM	CU65							0	2	S	0	1	IN				0	S											FS							Benthic ProbMon VCPMI [FS -2012: S = 36.4, F = 53.9]
5AXEI000.27	VAC-K01R_XEI01A08	FPM,B	CM02																0	W											J							2001 Probabilistic Monitoring Insufficient information prohibits an accurate assessment. Personnel who performed the spring 2002 monitoring are no longer with the agency, therefore pertinent information about the stream is unavailable. No water data recorded.
5AXES000.85	VAP-K31R_XES01A08	TM	CU54	0	10	S	5	10	IM	0	10	S	1	10	S																						Class VII - no data since 2010 cycle
5AXET000.28	VAC-K02R_XET01A06	FPM,B	CM07	0	2	S	0	2	S	0	2	S	1	2	IN				0	S	0	S	0	S	0	S					FS							2003/2004 Probabilistic Monitoring Carry Over 2008 Bio This stream is very incised and dominated by sand. It has very high sediment deposition, low bank stability and poor bank vegetative protection. The riparian zone is small due to pasture on the left bank, but an electric fence keeps livestock out of stream. Drought conditions in fall 2008 caused the stream to be very stagnant.
5AXFG000.04	VAP-K32R_SRN02A06	TM,SS	CU55	0	38	S	4	38	IM	0	38	S									0	S																Class VII; elevated NH3 but no violations
5AXFH001.74	VAC-K03R_XFH01A06	TM	CM10	0	8	S	0	8	S	0	8	S	5	9	IM																						2006 Flat Rock Creek LDA
5AXFI001.99	VAC-K03R_XFI01A06	TM	CM10	0	8	S	0	8	S	0	8	S	0	9	S																						2006 Flat Rock Creek LDA
5AXFM000.88	VAP-K32R_XFM01A08	TM	CU55	0	1	W	1	1	W	0	1	W																										Class VII; no data since 2010 cycle
5AXFX000.46	VAP-K31R_XFX01A10	TM	CU54	0	9	S	2	9	IM	0	9	S	1	9	IN																						Class VII; no data since 2010 cycle
5AXGI001.79	VAT-K36R_XGI01A08	B,FPM	CU70							0	2	S	1	1	IN/O				0	S	0	S	0	S							IM							Benthic ProbMon VCPMI [IM- 2007: S=16.4, F= 8.9]; Sed= S, 2007, WaterTox = NH3
5AXGS000.96	VAP-K29R_XGS01A10	TM	CU44	0	10	S	3	9	IM	0	10	S	2	9	IM																						Class VII; no data since 2010 cycle
5AXGT000.50	VAP-K29R_XGT01A10	TM	CU46	0	6	S	0	6	S	0	6	S	2	6	IM																						Class VII; no data since 2010 cycle
5AXGU000.35	VAP-K11R_XGU01A10	TM	CM24	0	12	S	9	12	IM	6	12	IM	0	12	S																						No data since 2010 cycle
5AXGV000.92	VAP-K11R_XGV01A10	TM	CM24	0	7	S	0	7	S	3	7	IM	1	7	IN																						No data since 2010 cycle
5AXGW001.19	VAP-K11R_XGW01A10	TM	CM24	0	9	S	2	9	IM	2	9	IM	1	9	IN																						No data since 2010 cycle
5AXGX000.46	VAP-K31R_XGX01A12	TM	CU54	0	9	S	3	9	IM	0	9	S	3	9	IM																						Class VII; no data since 2010 cycle
5AXHJ000.33	VAP-K29R_ZZZ01A14	TM	CU44	0	1	W	0	1	W	0	1	W	0	1	W																						Class VII; no data since 2010 cycle
5AXHO000.46	VAP-K31R_XHO01A12	TM	CU54	0	12	S	7	12	IM	0	12	S	3	12	IM																						Class VII; no data since 2010 cycle
5AXHP000.88	VAP-K31R_XHP01A10	FPM,B	CU53	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	IN	0	S							IN							2008 Probmon; Class VII - no data since 2010 cycle
5AXHQ000.38	VAP-K06R_XHQ01A10	TM	CM16	0	11	S	0	11	S	0	11	S	3	12	IM																						No data since 2010 cycle
5AXHR000.32	VAC-K01R_XHR01A10	FPM,B	CM03	0	3	S	0	3	S	0	3	S	0	1	W				0	W	0	S	0	W	0	W					FS							2008 Probmon This stream had good habitat and an excellent riparian zone but was severely impacted by drought in the summer and fall of 2008 due to its small size. FS with observed effects for aquatic life use. Further sampling under normal flow conditions needed to accurately characterize stream benthic community; however this site was monitored as part of the probabilistic monitoring program, is accessed via private property, and will not be revisited.
5AXHS000.77	VAP-K31R_XHS01A12	TM	CU52	0	10	S	1	10	S	0	10	S	1	10	S																						Class VII; no data since 2010 cycle
5AXHW000.38	VAP-K19R_XHW01A12	TM	CU16	0	11	S	5	11	IM	1	11	S	1	11	S																						No new data since 2012 cycle
5AXHX001.19	VAP-K19R_XHX01A12	TM	CU16	0	9	S	0	9	S	0	9	S	2	9	IM																						No new data since 2012 cycle
5AXHY001.08	VAP-K19R_XHY01A12	TM	CU16	0	11	S	0	11	S	0	11	S	3	11	IM																						No new data since 2012 cycle
5AXIA000.48	VAC-K14R_XIA01A14	FPM,B	CU02	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S			0	W					FS							2011 FPM 5AXIA000.48 is a small stream greatly affected by flow during dry periods. Habitat scores and Taxa lists indicate the potential for a balanced community which is highly dependent on flow.
5AXIC-PETE-09-NPS	VAP-K23R_ROW01A98	NONA	CU26	0	5	S	0	5	S	0	6	S																										NPS - level 3 - Class VII water
5AXID-PETE-10-NPS	VAP-K21R_XID01A12	NONA	CU22	0	16	S	11	16	IM	16	16	IM																										NPS - Level 3

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chowan River and Dismal Swamp Basin																																					
5BBBC000.76	VAT-K42E_BBC01A04	A,TR	AS19				2	30	S	1	27	S				11	35	IM																			
5BBKW002.50	VAT-K41R_BKW01A00	A,C,TR	AS16				2	35	S	0	36	S	2	34	S												1	O									07-OE-FT_Met As Longnose Gar
5BBKY000.13	VAT-K42E_BKY04A14	C2,B	AS20				0	1	IN	0	1	IN				1	1	IN/O	0	IN	0	IN									FS							11 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BBKY000.86	VAT-K42E_BKY04A14	C2,B	AS20				0	1	IN	0	1	IN				1	1	IN/O			0	IN									FS							12 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BBKY000.99	VAT-K42E_BKY04A14	A,TR	AS20				0	32	S	2	32	S				4	32	IM																			
5BBKY002.04	VAT-K42E_BKY03A08	C2,B	AS20				0	2	IN	0	2	IN				0	1	IN	0	IN	0	IN									FS							08 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BBKY002.53	VAT-K42E_BKY03A08	C2,B	AS20				0	2	IN	0	2	IN				0	1	IN	0	IN	0	IN									FS							11 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BBKY003.47	VAT-K42E_BKY03A08	A,TR	AS20				0	32	S	0	32	S				0	32	S																			
5BBKY003.63	VAT-K42E_BKY03A08	C2,B	AS20				0	3	IN	0	3	IN				0	1	IN	0	IN	0	IN									FS							09 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BBKY004.16	VAT-K42E_BKY01A08	C2,B	AS20				0	2	IN	0	2	IN				0	1	IN	0	IN	0	IN									FS							08 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BBKY004.66	VAT-K42E_BKY01A08	C2,B	AS20				0	3	IN	0	3	IN				0	1	IN			0	IN									FS							05 Benthic Retained
5BBKY004.85	VAT-K42E_BKY01A08	C2,B	AS20				0	3	IN	0	3	IN				0	1	IN			0	IN									FS							12 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BBKY004.97	VAT-K42E_BKY03A08	C2,B	AS20				0	2	IN	0	2	IN				0	1	IN	0	IN	0	IN									J							11 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BBKY005.52	VAT-K42E_BKY03A08	C2,B	AS20				0	3	IN	0	3	IN				0	1	IN	0	IN	0	IN									FS							09 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BBKY005.60	VAT-K42E_BKY01A08	C2,B	AS20				0	2	IN	0	2	IN				1	1	IN	0	IN	0	IN									FS							09 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BBKY005.73	VAT-K42E_BKY01A08	C2,B	AS20				0	3	IN	0	3	IN				0	1	IN	0	IN	0	IN									FS							11 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BBKY005.75	VAT-K42E_BKY01A08	C2,B	AS20				0	3	IN	0	3	IN				0	1	IN	0	IN	0	IN									FS							09 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BBKY005.78	VAT-K42E_BKY01A08	C2,B	AS20				0	3	IN	0	3	IN				0	1	IN	0	IN	0	IN									FS							10 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BBKY005.83	VAT-K42E_BKY03A08	C2,B	AS20				0	2	IN	0	2	IN				0	1	IN			0	IN									FS							12 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BBKY006.37	VAT-K42E_BKY02A00	A,C,TR	AS20				0	32	S	0	32	S				1	32	S									1	O	1	O								07-OE, FT_Met As Blue Crab & 07-FT_PCB Carp
5BBKY006.48	VAT-K42E_BKY01A08	A,TR	AS20				0	32	S	2	32	S				0	32	S																			
5BBKY007.97	VAT-K42E_BKY01A08	C2,B	AS20				0	2	IN	0	2	IN				0	1	IN			0	IN									J							12 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BBKY009.60	VAT-K42E_BKY01A08	C2,B	AS19				0	1	IN	0	1	IN				0	1	IN			0	IN									FS							07 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BHPC000.00	VAT-K42E_HPC02A04	A,TR	AS18				1	32	S	0	32	S				4	31	IM																			
5BHPC001.46	VAT-K42E_HPC01A00	A,TR	AS18				0	30	S	0	27	S				8	34	IM																			
5BIND001.15	VAT-K40R_IND01A02	A,TR	AS10				12	35	IM	1	36	S	7	31	IM																						
5BLKD000.02	VAT-K39L_LKD01A06	L	AS04	0	13	S	0	13	S	13	13	IM	0	13	S						0	S													0	2		Lake Drummond pooled nutrient data: Chlorophyll a (0 viol / 2 obs) S 2009, 2012 (no algaecide application). Lake Drummond pooled DO and pH data: DO (3 viol / 126 obs) S, pH (126 viol / 126 obs) IM 2009, 2012. Water Toxics: NH3 = S.
5BLKD000.03	VAT-K39L_LKD01A06	L	AS04	0	14	S	0	14	S	14	14	IM	0	14	S						0	S													0	2		Lake Drummond pooled nutrient data: Chlorophyll a (0 viol / 2 obs) S 2009, 2012 (no algaecide application). Lake Drummond pooled DO and pH data: DO (3 viol / 126 obs) S, pH (126 viol / 126 obs) IM 2009, 2012. Water Toxics: NH3 = S.
5BLKD000.08	VAT-K39L_LKD01A06	L	AS04	0	26	S	2	26	S	26	26	IM	0	14	S						0	S													0	2		Lake Drummond pooled nutrient data: Chlorophyll a (0 viol / 2 obs) S 2009, 2012 (no algaecide application). Lake Drummond pooled DO and pH data: DO (3 viol / 126 obs) S, pH (126 viol / 126 obs) IM 2009, 2012. Water Toxics: NH3 = S.
5BLKD001.15	VAT-K39L_LKD01A06	L	AS04	0	28	S	1	28	S	28	28	IM	0	14	S						0	S													0	2		Lake Drummond pooled nutrient data: Chlorophyll a (0 viol / 2 obs) S 2009, 2012 (no algaecide application). Lake Drummond pooled DO and pH data: DO (3 viol / 126 obs) S, pH (126 viol / 126 obs) IM 2009, 2012. Water Toxics: NH3 = S.
5BLKD001.40	VAT-K39L_LKD01A06	L	AS04	0	29	S	0	29	S	29	29	IM	0	14	S						0	S													0	2		Lake Drummond pooled nutrient data: Chlorophyll a (0 viol / 2 obs) S 2009, 2012 (no algaecide application). Lake Drummond pooled DO and pH data: DO (3 viol / 126 obs) S, pH (126 viol / 126 obs) IM 2009, 2012. Water Toxics: NH3 = S.
5BLKD002.15	VAT-K39L_LKD01A06	L,C	AS04	0	16	S	0	16	S	16	16	IM	0	14	S						0	S					2	O							0	2		Lake Drummond pooled nutrient data: Chlorophyll a (0 viol / 2 obs) S 2009, 2012 (no algaecide application). Lake Drummond pooled DO and pH data: DO (3 viol / 126 obs) S, pH (126 viol / 126 obs) IM 2009, 2012.07-OE-FT_Met Hg(1) & As (1); Water Toxics: N
5BMDY000.00	VAT-K42E_MDY01A04	A,TR	AS19				0	30	S	0	27	S				10	35	IM																			
5BMDY001.00	VAT-K42E_MDY01A04	C	AS18																								1	O	0	S							07-OE- FT_Met Hg Bowfin & FT_PCB
5BMLD001.92	VAT-K41R_MLD02A06	A,TR	AS17				9	35	IM	0	35	S	5	32	IM																						
5BNLR000.97	VAT-K41R_NLR04A08	C2,B	AS17				0	1	IN	0	1	IN	0	1	IN				0	IN											J							08 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Chowan River and Dismal Swamp Basin																																					
5BNLR001.25	VAT-K41R_NLR04A08	C2,B	AS17				0	2	S	0	2	S	0	1	IN				0	IN	0	IN									FS							09 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BNLR009.68	VAT-K41R_NLR04A08	C2,B	AS16				0	1	IN	0	1	IN	0	1	IN				0	IN	0	IN									FS							09 C2 Benthic ProbMon (WoE), Conventional Data Insufficient-one sampling date.
5BNLR013.61	VAT-K41R_NLR02A06	A,TR	AS12				10	36	IM	0	36	S	1	36	S																						
5BNTW007.49	VAT-K40R_NTW04A08	A,TR	AS10				8	33	IM	0	33	S	2	33	S																						
5BNTW008.97	VAT-K40R_NTW03B10	A,TR	AS10				9	33	IM	1	33	S	3	33	S																						
5BNTW009.49	VAT-K40R_NTW03A08	A,TR	AS10				13	33	IM	1	33	S	3	32	S																						
5BNTW010.23	VAT-K40R_NTW03A08	A,TR	AS10				14	33	IM	1	33	S	3	32	S																						
5BNTW011.90	VAT-K40R_NTW02A00	A,C,TR	AS09				18	33	IM	2	33	S	2	33	S												2	IM	0	S								07-IM FT_Met Hg Largemouth Bass & Bowfin & FT_PCB
5BNTW012.86	VAT-K40R_NTW02A00	A,TR	AS09				21	33	IM	1	33	S	2	32	S																						
5BNWN000.00	VAT-K42E_NWN02A00	A,TM,TR	AS20				5	30	IM	1	27	S				14	35	IM																			
5BNWN001.84	VAT-K42E_NWN01A00	A,TR	AS20				10	29	IM	0	27	S				13	33	IM																			
5BPCT001.79	VAT-K41R_PCT01A02	A,B,TR	AS15				15	35	IM	0	36	S	6	33	IM																						03 Benthic Retained
5BSHB000.57	VAT-K42E_SHB01A00	A,TR	AS19				0	32	S	1	32	S				3	32	S																			
5BSHB000.70	VAT-K42E_SHB01A00	C2,B	AS19				0	2	S	0	2	S				0	1	IN			0	IN									FS							12 C2 Benthic ProbMon, Conventional Data Insufficient due to one sampling date.
5BSHB001.20	VAT-K42E_SHB01A00	C2,B	AS19				0	1	IN	0	1	IN				0	2	S			0	IN									FS							07 C2 Benthic ProbMon, Conventional Data Insufficient due to one sampling date.
5BWNC001.73	VAT-K41R_WNC02A04	A,TR	AS14				2	36	S	0	36	S	1	34	S																						
5BWNC003.65	VAT-K41R_WNC01A00	A,C,TR	AS14				11	30	IM	0	27	S				9	35	NA									1	O	2	IM								07-IM, FT_PCB White Catfish, Carp & FT-OE, Met_As Carp; Bacteria collected is not applicable for Class II Tidal Fresh.
5BWNC010.02	VAT-C08E_WNC01A00	A	AS14					36	IM	0	36	S				25	36	IM			0	S																WTOX=NH3, LYNPH
5BXAM000.60	VAT-K40R_XAM01A02	A,TR	AS09				18	33	IM	0	33	S	2	32	S																						
5BXAT000.30	VAT-K41R_XAT01A12	B,FPM	AS17				4	4	IM	0	4	S	1	2	IN/O				0	S			0	S							IM							Benthic ProbMon VCPMI [IM- 2009: S = 6.1, F = 11.3, 2010: S = 12.2, F = 26.2]; Sed =S, 2009/2010.
5BXCK000.00	VAT-K39R_XCK01A00	A,C,TR	AS06	0	36	S	3	35	S	0	36	S	0	34	S												5	IM	0	S								07-IM, FT_Met Hg Bowfin, Pickerel, Sunfish & Catfish & FT_PCB
614WAL	VAT-K36R_DKS01A10	CMON	CU66							0	10	IN	0	10	IN																						CMON Level II pH Data
619BLK	VAT-K36R_BLC01A06	CMON	CU67							0	39	IN																										CMON Level II pH Data
635SEA	VAT-K35R_ZZZ01A00	CMON	CU65							0	45	IN	0	42	IN																						CMON Level II pH and E.Coli Data, 07-IM FT_Met Hg, Largemouth Bass, Redear Sunfish, Bowfin, Chain Pickerel, White Catfish, Redhorse Sucker and Longnose Gar.
638CYP	VAT-K36R_CYS01A12	CMON	CU68							0	12	IN																										CMON Level II pH Data
640BER	VAT-K36R_CYS01A12	CMON	CU68							3	9	IN	0	5	IN																						CMON Level II pH Data
687DEL	VAT-K30R_ZZZ01A00	CMON	CU51	0	1	IN	0	1	IN	0	1	IN																										CMON Level II Data
687RND	VAT-K30R_ZZZ01A00	CMON	CU51	0	21	IN	0	19	IN	2	21	IN	0	20	IN																						
Franklin	VAT-K36R_ZZZ01A00	CMON	CU70	0	20	IN	2	17	IN	0	20	IN	0	19	IN																						CMON Level II pH Data
Gut	VAT-K30R_ZZZ01A00	CMON	CU51	0	16	IN				0	16	IN	0	15	IN																						Blackwater Nottoway Riverkeeper

* For lake/reservoir NUTRIENTS (i.e. Total Phosphorus or Chlorophyll a), "Exceed" refers to the number of exceedences per monitoring year (April-October) and "Samples" represent the number of monitoring years. A minimum of two monitoring years are required to make a supporting (S) or impaired (IM) assessment determination. Less than two full monitoring years result in an insufficient (IN) determination. Also, nutrients are only assessed in lakes listed in Section 187 of the WQS if there is documented algaecide use.

NOTE: Values in VAHU6 refer to the 6th order watershed in version 4 of Virginia's portion of the National Watershed Boundary Dataset.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Lower)																																					
2-BDY000.58	VAP-G06R_BDY01A04	TM	JL19	0	12	S	1	12	S	12	12	IM									0	S																
2-BDY-CH2-RNBP	VAP-G06R_BDY01A04	NONA	JL19																																		NPS benthic station - no data since 2010 cycle
2-BDY-RICH-04-NPS	VAP-G06R_BDY01A04	NONA	JL19	0	31	S	0	31	S	15	31	IM																										NPS - level 3
2-BEN001.42	VAT-G13E_BEN01A04	A,TR	JL49					35	IM	0	36	S				10	36	IM																				JMSMH
2BEN-SBC000.35-SUF	VAT-G13E_BEN01A04	NONA	JL49							0	8	S				3	20	IM																				City of Suffolk
2-BEV002.00	VAP-G06R_BEV01A00	A,B,TM	JL19	0	26	S	0	26	S	3	26	IM	3	12	IM																	FS						No E. coli data since 2012 cycle; 2009 benthics
2-BEV-BD1-RNBP	VAP-G06R_BEV01A00	NONA	JL19																																			NPS benthic station - no data since 2010 cycle
2-BEV-RICH-01-NPS	VAP-G06R_BEV01A00	NONA	JL19	0	31	S	0	31	S	0	31	S																										NPS - level 3
2-BLB002.23	VAP-G04R_BLB01A06	A,B	JL14	0	2	S	0	2	S	0	2	S																			FS						2010 benthics; no new data since 2012 cycle
2-BLY000.65	VAP-G03E_BLY01A98	A,C,TM,TR	JL07		55	NA		53		3	54	S	6	36	IM						2	IM					1	IM									3 chronic ammonia violations (OE); Trend Station; high pH; 2009 PCB Study - 2 samples both >HH
2-BLY003.42	VAP-G03R_BLY02A08	SS	JL07	0	2	S	0	2	S	0	2	S									0	S																2009 PCB Study - 2 H20 samples both ok; no new data since 2012 cycle - DO prev impaired
2-BLY005.73	VAP-G03R_BLY01A98	TM,B	JL07	0	15	S	0	16	S	1	14	S	2	12	IM						0	IN									IM						2009 PCB Study - 1 H20 sample - ok; 2011 benthics
2-BRO001.35	VAT-G15E_BRO01A02	A,C	JL54					36	IM	0	36	S				26	35	IM										2	IM									12-IM FTox PCBs - 12 Mummichog, Gizzard Shad, EBEMH
2-BRW002.50	VAP-G08R_BRW01A14	A	JL25	0	12	S	5	12	IM	1	12	S	6	12	IM																							
2-BTH-GM1-RNBP	VAP-G06R_BTS01A02	NONA	JL19																																			NPS benthic station - no data since 2010 cycle
2-BTS-RICH-03-NPS	VAP-G06R_BTS01A02	NONA	JL19	0	31	S	3	31	S	2	31	S																										NPS - level 3
2-BVR03.00-WH	VAP-G06R_BEV01A00	CMON	JL19	0	15	S							1	14	IN																							Westhaven HOA - level 3 temp, level 2 E. coli
2-BVR05.00-WH	VAP-G06R_BEV01A00	CMON	JL19	0	13	S							1	12	IN																							Westhaven HOA - level 3 temp, level 2 E. coli
2-BVR07.00-WH	VAP-G06L_XBT01A14	CMON	JL19	3	8	IM							1	8	IN																							Westhaven Lake - Westhaven HOA - level 3 temp, level 2 E. coli
2CBKR000.23	VAT-G10E_ZZZ01A00	C2,B	JL33					3	IM	0	3	IN				0	1	IN													J						JMSOH; 11,12 C2 Benthic ProbMon
2CBKR-COLOBR10-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					9	IM																													JMSOH, National Park Service Northeast Coastal & Barrier Network
2CBKR-COLOBR11-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					8	IM																													JMSOH, National Park Service Northeast Coastal & Barrier Network
2CBKR-COLOBR12-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					12	IM																													JMSOH, National Park Service Northeast Coastal & Barrier Network
2CBKR-COLOBR14-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					3	IM																													JMSOH, National Park Service Northeast Coastal & Barrier Network
2CBKR-COLOBR15-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					3	IM																													JMSOH, National Park Service Northeast Coastal & Barrier Network
2CBKR-COLOBR2-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					17	IM																													JMSOH, National Park Service Northeast Coastal & Barrier Network
2CBKR-COLOBR4-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					9	IM																													JMSOH, National Park Service Northeast Coastal & Barrier Network
2CBKR-COLOBR5-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					6	IM																													JMSOH, National Park Service Northeast Coastal & Barrier Network
2CBKR-COLOBR6-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					2	IM																													JMSOH, National Park Service Northeast Coastal & Barrier Network
2CBKR-COLOBR7-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					3	IM																													JMSOH, National Park Service Northeast Coastal & Barrier Network
2CBKR-COLOBR8-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					2	IM																													JMSOH, National Park Service Northeast Coastal & Barrier Network
2CBKR-COLOBR9-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					3	IM																													JMSOH, National Park Service Northeast Coastal & Barrier Network
2-CCH001.54	VAP-G02R_CCH01A00	A,TM	JL05	0	12	S	4	12	IM	0	12	S																										
2CCHK002.10	VAP-G08E_CHK02A00	C2	JL29		7	NA		7		0	7	W				0	1	W	0	IN	0	S	0	S	0	S										3		WOE - 2008: Category 3B; OH-M scenario 6 (possible toxic effects - PAHs and metals); 1 sample event; no data since 2010 cycle
2CCHK004.74	VAP-G08E_CHK02A00	C2	JL29							0	3	W				1	1	W	0	IN	0	IN	0	S	0	S										1		One sample event; 2011 WOE category 3B TF-M scenario 8
2CCHK019.81	VAP-G08E_CHK01A00	C2	JL25		2	NA		2		0	2	W				0	1	W			0	IN	0	S	0	S										1		One sample event; 2012 WOE category 2B TF-M scenario 6 (medium risk of sed contamination primarily metals - significant mortality)
2CCHK071.66	VAP-G05R_CHK01C12	A	JL17	0	12	S	0	12	S	1	12	S	2	12	IM																							No new data since 2012 cycle
2-CCH-RICH-06-NPS	VAP-G02R_CCH01A00	NONA	JL05	0	19	S	7	18	IM	1	19	S																											NPS - level 3; co-located with 2-CCH001.54
2CDPT000.15	VAT-G15E_DPT01A06	A,B	JL55					2	IM	0	2	IN				0	1	IN	0	IN	0	IN									J						WBEMH, 09 C2 Benthic ProbMon
2CDSC003.11	VAP-G08E_DSC01A00	C2	JL27		4	NA		4		0	4	W				0	1	W	0	IN	0	IN	0	S	0	S										1		2011 WOE category 2A TF-S scenario 2
2-CEL001.56	VAP-G01R_CEL01A04	A,SS	JL03	0	13	S	0	13	S	0	13	S	4	12	IM						0	IN																2009 PCB Study - 1 H20 sample - ok
2-CEL004.03	VAP-G01R_CEL01A04	A,B	JL03	0	2	S	0	2	S	0	2	S																			IN						2012 benthics
14J01	VAT-G15E_JMS01A00	CB-B	JL59																																			BIBI=3.67
14J02	VAT-G15E_JMS01A00	CB-B	JL59																																			BIBI=2.33
14J03	VAT-G15E_SBE01A00	CB-B	JL51																																			BIBI=2.33
14J04	VAT-G15E_JMS01A00	CB-B	JL58																																			BIBI=2.67
14J05	VAT-G15E_JMS05A06	CB-B	JL59																																			BIBI=3.33
14J06	VAT-G13E_NAN04A00	CB-B	JL49																																			BIBI=3
14J07	VAT-G13E_NAN04A00	CB-B	JL49																																			BIBI=3
14J08	VAT-G11E_JMS04A06	CB-B	JL49																																			BIBI=3.33
14J09	VAT-G11E_JMS04A06	CB-B	JL43																																			BIBI=2

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Lower)																																					
14J10	VAT-G11E_JMS04A06	CB-B	JL43																																		BIBI=3
14J12	VAT-G11E_JMS02A06	CB-B	JL43																																		BIBI=2
14J13	VAT-G11E_JMS02A06	CB-B	JL43																																		BIBI=2.33
14J14	VAT-G11E_JMS02A06	CB-B	JL43																																		BIBI=2
14J16	VAT-G11E_JMS03A06	CB-B	JL43																																		BIBI=2.33
14J17	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI=2.33
14J18	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI=2.33
14J19	VAT-G11E_JMS01A06	CB-B	JL35																																		BIBI=3
14J20	VAT-G10E_JMS01A06	CB-B	JL33																																		BIBI=3
14J21	VAT-G10E_CLG01A06	CB-B	JL34																																		BIBI=1.4
14J22	VAP-G04E_JMS02A02	CB-B	JL30		1	NA		1																													B-IBI = 1.4; JMSOHa
14J23	VAP-G04E_JMS02A02	CB-B	JL30		1	NA		1																													B-IBI = 1.4; JMSOHa
14J24	VAP-G04E_JMS02A02	CB-B	JL30		1	NA		1																													B-IBI = 1.8; JMSOHa
14J26	VAT-G10E_JMS02A06	CB-B	JL35																																		BIBI=1.4
14J27	VAT-G11E_JMS01B08	CB-B	JL35																																		BIBI=2.2
14J28	VAT-G11E_JMS04A06	CB-B	JL59																																		BIBI=2
14Z01	VAT-G15E_JMS01A00	CB-B	JL50																																		BIBI=2.2
14Z02	VAT-G15E_ELI03A08	CB-B	JL59																																		BIBI=5
14Z03	VAT-G15E_ELI03A08	CB-B	JL59																																		BIBI=1.8
14Z04	VAT-G15E_ELI03A08	CB-B	JL57																																		BIBI=4.6
14Z05	VAT-G15E_ELI03A08	CB-B	JL50																																		BIBI=1
14Z06	VAT-G15E_LAF02A06	CB-B	JL56																																		BIBI=3
14Z07	VAT-G15E_LAF02A06	CB-B	JL56																																		BIBI=3.4
14Z08	VAT-G15E_LAF02A06	CB-B	JL56																																		BIBI=3.4
14Z09	VAT-G15E_LAF01A06	CB-B	JL56																																		BIBI=1.4
14Z10	VAT-G15E_ELI02A06	CB-B	JL56																																		BIBI=1.4
14Z12	VAT-G15E_ELI02A06	CB-B	JL56																																		BIBI=4.2
14Z14	VAT-G15E_WBE02A00	CB-B	JL55																																		BIBI=1.8
14Z18	VAT-G15E_SCO01A06	CB-B	JL56																																		BIBI=1.8
14Z19	VAT-G15E_ELI02A06	CB-B	JL56																																		BIBI=1.4
14Z20	VAT-G15E_SBE02A06	CB-B	JL53																																		BIBI=1.8
14Z21	VAT-G15E_SBE02A06	CB-B	JL53																																		BIBI=2.2
14Z22	VAT-G15E_NMC01A00	CB-B	JL51																																		BIBI=2.2
14Z24	VAT-G15E_EBE02A06	CB-B	JL54																																		BIBI=1.8
14Z25	VAT-G15E_EBE02A06	CB-B	JL54																																		BIBI=2.2
14Z26	VAT-G15E_ELI02A06	CB-B	JL56																																		BIBI=4.2
14Z27	VAT-G15E_ELI02A06	CB-B	JL56																																		BIBI=3.4
14Z28	VAT-G15E_ELI02A06	CB-B	JL56																																		BIBI=1.4
14Z29	VAT-G15E_SBE01A00	CB-B	JL51																																		BIBI=1.8
14Z30	VAT-G15E_ELI03A08	CB-B	JL59																																		BIBI=1.4
14Z31	VAT-G15E_SBE02A06	CB-B	JL53																																		BIBI=2.2
15J01	VAT-G15E_JMS01A00	CB-B	JL59																																		BIBI = 3.67
15J02	VAT-G15E_ELI03A08	CB-B	JL59																																		BIBI = 2.33
15J03	VAT-G15E_SBE02A06	CB-B	JL53																																		BIBI = 2.33
15J04	VAT-G15E_JMS01A00	CB-B	JL59																																		BIBI = 2.67
15J05	VAT-G15E_JMS01A00	CB-B	JL59																																		BIBI = 2.67
15J06	VAT-G11E_JMS04A06	CB-B	JL49																																		BIBI = 2.67
15J07	VAT-G11E_JMS04A06	CB-B	JL43																																		BIBI = 3.33
15J08	VAT-G11E_JMS01A06	CB-B	JL43																																		BIBI = 4
15J09	VAT-G11E_JMS02A06	CB-B	JL43																																		BIBI = 2
15J10	VAT-G11E_JMS01A06	CB-B	JL43																																		BIBI = 2.33
15J11	VAT-G11E_JMS02A06	CB-B	JL43																																		BIBI = 3
15J12	VAT-G11E_JMS02A06	CB-B	JL43																																		BIBI = 1.67
15J13	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI = 1.67
15J15	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI = 2.67
15J16	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI = 2.6
15J17	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI = 2.67
15J18	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI = 2.33
15J19	VAT-G11E_JMS01B08	CB-B	JL35																																		BIBI = 3
15J20	VAT-G10E_JMS02A06	CB-B	JL35																																		BIBI = 2.2
15J21	VAT-G10E_JMS01A06	CB-B	JL33																																		BIBI = 2.2
15J22	VAP-G08E_CHK02A00	CB-B	JL28		1	NA		1																													B-IBI = 2.67; CHKOHa
15J23	VAP-G04E_JMS02A02	CB-B	JL30		1	NA		1																													B-IBI = 2.0; JMSOHa
15J24	VAP-G03E_JMS01B10	CB-B	JL11		1	NA		1																													B-IBI = 2.0; JMSTFa
15J26	VAT-G11E_JMS01A06	CB-B	JL43																																		BIBI = 2.33

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Lower)																																					
15J27	VAT-G11E_JMS02A06	CB-B	JL43																																		BIBI = 2
16J01	VAT-G15E_JMS01A00	CB-B	JL59																																		BIBI = 4.33
16J02	VAT-G15E_JMS01A00	CB-B	JL59																																		BIBI = 4.67
16J04	VAT-G15E_JMS01A00	CB-B	JL59																																		BIBI = 3.33
16J05	VAT-G15E_JMS01A00	CB-B	JL59																																		BIBI = 2
16J06	VAT-G15E_ELI02A06	CB-B	JL56																																		BIBI = 1.67
16J07	VAT-G15E_ELI02A06	CB-B	JL56																																		BIBI = 2.67
16J08	VAT-G13E_NAN04A00	CB-B	JL49																																		BIBI = 2.33
16J09	VAT-G13E_NAN04B10	CB-B	JL49																																		BIBI = 1.67
16J11	VAT-G11E_JMS02A06	CB-B	JL43																																		BIBI = 2.33
16J12	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI = 3
16J13	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI = 2.6
16J14	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI = 3.4
16J15	VAT-G11E_JMS01A06	CB-B	JL35																																		BIBI = 2
16J16	VAT-G11E_JMS01B08	CB-B	JL35																																		BIBI = 2
16J17	VAT-G10E_JMS02A06	CB-B	JL35																																		BIBI = 2.33
16J18	VAT-G10E_JMS01A06	CB-B	JL33																																		BIBI = 2.2
16J19	VAP-G04E_JMS02A02	CB-B	JL29		1	NA		1																													B-IBI = 2.0; JMSOHa
16J20	VAP-G04E_JMS03A04	CB-B	JL15		1	NA		1																													B-IBI = 2.67; JMSTFa
16J21	VAP-G04E_JMS03A04	CB-B	JL15		1	NA		1																													B-IBI = 4.2; JMSTFa
16J22	VAP-G04E_JMS03A04	CB-B	JL15		1	NA		1																													B-IBI = 2.67; JMSTFa
16J23	VAP-G04E_JMS01A02	CB-B	JL13		1	NA		1																													B-IBI = 3; JMSTFa
16J25	VAP-G04E_JMS01A02	CB-B	JL13		1	NA		1																													B-IBI = 2.33; JMSTFa
16J26	VAT-G11E_JMS02A06	CB-B	JL43																																		BIBI = 2.33
16J27	VAT-G11E_JMS02A06	CB-B	JL43																																		BIBI = 2.67
16J28	VAT-G15E_JMS01A00	CB-B	JL59																																		BIBI = 3.67
17J01	VAT-G15E_JMS01A00	CB-B	JL58																																		BIBI = 3
17J02	VAT-G15E_JMS01A00	CB-B	JL58																																		BIBI = 3
17J04	VAT-G11E_JMS04A06	CB-B	JL43																																		BIBI = 4.5
17J06	VAT-G11E_JMS02A06	CB-B	JL43																																		BIBI = 3.5
17J07	VAT-G11E_KIN01A06	CB-B	JL43																																		BIBI = 3.5
17J08	VAT-G11E_JMS02A06	CB-B	JL43																																		BIBI = 2.5
17J09	VAT-G11E_WWK03A08	CB-B	JL38																																		BIBI = 4
17J10	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI = 3.5
17J11	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI = 1.5
17J12	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI = 3.5
17J13	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI = 3.5
17J14	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI = 2.5
17J15	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI = 2
17J16	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI = 2
17J17	VAT-G11E_JMS01A06	CB-B	JL35																																		BIBI = 1.5
17J18	VAT-G11E_JMS01B08	CB-B	JL35																																		BIBI = 4.33
17J19	VAP-G04E_JMS02A02	CB-B	JL30		1	NA		1																													B-IBI = 3; JMSOHa
17J20	VAP-G04E_JMS02A02	CB-B	JL30		1	NA		1																													B-IBI = 2.33; JMSOHa
17J21	VAP-G04E_JMS02A02	CB-B	JL30		1	NA		1																													B-IBI = 3; JMSOHa
17J22	VAP-G08E_CHK02A00	CB-B	JL29		1	NA		1																													B-IBI = 3.67; CHKOHa
17J23	VAP-G04E_JMS03A04	CB-B	JL15		1	NA		1																													B-IBI = 1.67; JMSTFa
17J24	VAP-G04E_JMS01A02	CB-B	JL11		1	NA		1																													B-IBI = 2.33; JMSTFa
17J25	VAP-G02E_ZZZ02B14	CB-B	JL06		1	NA		1																													B-IBI = 3; JMSTF-UA
17J27	VAP-G03E_JMS01B10	CB-B	JL11		1	NA		1																													B-IBI = 3.67; JMSTFa
17J29	VAT-G15E_JMS01A00	CB-B	JL59																																		BIBI = 5
18J01	VAT-G15E_JMS01A00	CB-B	JL59																																		BIBI = 3.33
18J02	VAT-G15E_JMS01A00	CB-B	JL59																																		BIBI=3.67
18J03	VAT-G15E_ELI03A08	CB-B	JL59																																		BIBI=1.67
18J06	VAT-G15E_EBE01A00	CB-B	JL54																																		BIBI=2.33
18J07	VAT-G15E_JMS01A00	CB-B	JL58																																		BIBI=3
18J08	VAT-G13E_NAN04B10	CB-B	JL49																																		BIBI=2.67
18J09	VAT-G11E_JMS04A06	CB-B	JL43																																		BIBI=2.67
18J10	VAT-G11E_JMS03A06	CB-B	JL43																																		BIBI=2
18J11	VAT-G11E_JMS03A06	CB-B	JL43																																		BIBI=2.33
18J12	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI=2
18J13	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI=2.2
18J15	VAT-G11E_JMS01A06	CB-B	JL35																																		BIBI=1.4
18J16	VAT-G11E_JMS01A06	CB-B	JL35																																		BIBI=2.2
18J17	VAT-G11E_JMS01B08	CB-B	JL35																																		BIBI=2.6

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Lower)																																					
18J18	VAT-G10E_JMS01B08	CB-B	JL35																																		BIBI=1.8
18J19	VAT-G10E_JMS01A06	CB-B	JL35																																		BIBI=1.8
18J20	VAP-G04E_JMS02A02	CB-B	JL30					1																													B-IBI = 1.67; JMSOHa
18J21	VAP-G04E_JMS02A02	CB-B	JL30					1																													B-IBI = 2.0; JMSOHa
18J22	VAP-G04E_JMS02A02	CB-B	JL30					1																													B-IBI = 1.33; JMSOHa
18J24	VAP-G04E_JMS01A02	CB-B	JL11					1																													B-IBI = 1.0; JMSTFa
18J26	VAT-G11E_JMS04A06	CB-B	JL43																																		BIBI=1.33
18J27	VAT-G15E_JMS01A00	CB-B	JL59																																		BIBI=4
18J28	VAT-G15E_JMS01A00	CB-B	JL37																																		BIBI=2.2
18J29	VAT-G15E_JMS05A06	CB-B	JL50																																		BIBI=1.67
19J01	VAT-G15E_MIG01A10	CB-B	JL58																																		BIBI=2.67
19J02	VAT-G15E_MIG01A10	CB-B	JL58																																		BIBI=2.33
19J03	VAT-G15E_JMS01A00	CB-B	JL59																																		BIBI=3
19J04	VAT-G15E_EBE02A06	CB-B	JL54																																		BIBI=3
19J05	VAT-G15E_SBE02A06	CB-B	JL53																																		BIBI=3.33
19J06	VAT-G15E_JMS01A00	CB-B	JL58																																		BIBI=3.67
19J07	VAT-G11E_JMS04A06	CB-B	JL59																																		BIBI=3
19J08	VAT-G11E_JMS04A06	CB-B	JL43																																		BIBI=3
19J09	VAT-G11E_JMS02A06	CB-B	JL43																																		BIBI=2.67
19J10	VAT-G11E_PGN02B14	CB-B	JL41																																		BIBI=3
19J11	VAT-G11E_PGN02A08	CB-B	JL41																																		BIBI=2.33
19J12	VAT-G11E_JMS02A06	CB-B	JL43																																		BIBI=2
19J13	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI=3
19J14	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI=2.67
19J15	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI=2.67
19J16	VAT-G11E_JMS01A06	CB-B	JL37																																		BIBI=2.67
19J17	VAT-G11E_JMS01A06	CB-B	JL35																																		BIBI=3.4
19J18	VAT-G11E_JMS01B08	CB-B	JL35																																		BIBI=2.6
19J19	VAT-G10E_JMS02A06	CB-B	JL35																																		BIBI=2.2
19J20	VAP-G04E_JMS02A02	CB-B	JL30		1	NA		1																													B-IBI = 2.67; JMSOHa
19J21	VAP-G04E_JMS01A02	CB-B	JL13		1	NA		1																													B-IBI = 3; JMSTFa
19J22	VAP-G03E_JMS01B10	CB-B	JL11		1	NA		1																													B-IBI = 2.5; JMSTFa
19J23	VAP-G03E_JMS01A00	CB-B	JL11		1	NA		1																													B-IBI = 1; JMSTFa
19J25	VAP-G03E_JMS01A00	CB-B	JL07		1	NA		1																													B-IBI = 2; JMSTFa
19J27	VAP-G08E_CHK02A00	CB-B	JL29		1	NA		1																													B-IBI = 2.6; CHKOHa
2-ALL000.04	VAP-G05R_ALL01A14	TM	JL16	0	1	W	0	1	W	0	1	W									0	IN															2012 water organics
2-ALL001.11	VAP-G05R_ALL01A14	TM	JL16	0	2	S	1	2	IN	0	2	S									0	IN															storm event site
2-ALM000.42	VAP-G01R_ALM01A98	A,TM,SS	JL01	0	21	S	0	21	S	0	21	S	3	12	IM						1	IM															2009 PCB Study - 2 samples both >HH <ALUS
2-BBR02.10-WH	VAP-G06R_BRA01A14	CMON	JL19	0	8	S							0	8	IN																						Westhaven HOA - level 3 temp, level 2 E. coli
2-BDM003.16	VAP-G09R_BDM01A98	TM	JL26	0	11	S	2	11	IM	2	11	IM	3	9	IM																						SAV; no new data since 2012 cycle
2-BDM004.12	VAP-G09R_BDM01A98	A,TM	JL26	1	37	S	13	37	IM	2	37	S	4	20	IM						0	S															PWS; tannic
2-BDM004.60	VAP-G09R_BDM01A98	TM	JL26	0	11	S	7	11	IM	3	11	IM	3	9	IM						0	S															tannic; very black; no new data since 2012 cycle
2-BDM005.70	VAP-G09R_BDM01A98	TM	JL26	0	11	S	0	11	S	1	11	S	5	9	IM						0	S															dark water; no new data since 2012 cycle
2CELI002.83	VAT-G15E_ELI03A08	C2,B	JL56					6	IM	0	6	IN				0	1	IN													FS						ELIPH, 12 C2 Benthic ProbMon
2CELI003.61	VAT-G15E_ELI02A06	A,B,C2	JL56					14	IM	0	14	IN				0	1	IN	0	IN	0	IN			0	S					J						ELIPH, 10 C2 Benthic ProbMon
2CELI004.12	VAT-G15E_ELI02A06	C2,B	JL56					8	IM	0	8	IN				0	1	IN	0	IN	0	IN									J						ELIPH, 08 C2 Benthic ProbMon
2CELI005.00	VAT-G15E_ELI02A06	C2,B	JL56					4	IM	0	4	IN				0	1	IN													FS						ELIPH, 12 C2 Benthic ProbMon
2-CHK000.77	VAP-G08E_CHK02A00	C2	JL29		2	NA		2		0	2	W	0	1	W						0	IN	0	S	0	S									1		WOE - 2007: Category 3B, OH-M scenario 5; 1 sample event; no data since 2010 cycle
2-CHK002.17	VAP-G08E_CHK02A00	A,C,TR	JL29		38	NA		38		0	38	S				1	35	S										1	IM						12		Trend Station; 2012 FT PCBs 3 sp (blue catfish, carp, and gizzard shad)
2-CHK004.82	VAP-G08E_CHK02A00	C2	JL29		2	NA		2		0	2	W				0	1	W			0	IN	0	S	0	S									1		WOE - 2007: Category 3B; OH-M scenario 5; 1 sample event; no data since 2010 cycle
2-CHK006.14	VAP-G08E_CHK02A00	CB,TR	JL29		262	NA		256		0	262	S				7	69	S			0	S													69		Trend Station
2-CHK014.33	VAP-G08E_CHK02A00	A	JL28		25	NA		25		0	25	S				3	11	IM			0	S															No enterococci data since 2010 cycle
2-CHK023.64	VAP-G08E_CHK01A00	A,TR	JL25		37	NA		37		1	37	S				3	34	S																			Trend Station
2-CHK025.15	VAP-G07L_CHK01A00	L	JL24	0	59	S	8	50	IM	0	59	S	0	14	S						0	S													0	2	S	pooled DO= 29 vios/166 obs (IM); pooled pH =0/197 obs (S), PWS
2-CHK026.94	VAP-G07L_CHK01A00	L	JL24	0	70	S	9	54	IM	0	70	S	0	14	S						0	S													0	2	S	pooled DO= 29 vios/166 obs (IM); pooled pH =0/197 obs (S), PWS
2-CHK029.54	VAP-G07L_CHK01A00	L	JL24	0	68	S	12	62	IM	0	68	S	0	14	S						0	S															pooled DO= 29 vios/166 obs (IM); pooled pH =0/197 obs (S), PWS
2-CHK032.77	VAP-G07R_CHK01A00	TM,TR	JL23	0	24	S	0	24	S	1	24	S																									Trend Station - decreasing DO %sat
2-CHK035.26	VAP-G07R_CHK01A00	CB	JL23	0	116	S	6	116	S	8	115	S									0	S															
2-CHK038.53 / 2CCHK038.53	VAP-G07R_CHK01A00	FPM,B	JL23	0	1	W	0	1	W	0	1	W	0	1	W				0	IN	0	IN	0	S							IN						2011 sed; 2011 benthics

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Lower)																																					
2-CHK042.22	VAP-G06R_CHK03A02	A	JL22	0	12	S	0	12	S	3	12	IM	0	12	S						0	S																co-located with 2-CHK-CR3-NN, so combined pH violation rate ok; no data since 2010 cycle
2-CHK052.57	VAP-G06R_CHK02A14	A,B	JL20	0	2	S	0	2	S	0	2	S																		IN							2012 benthics; Class VII
2-CHK055.04	VAP-G06R_CHK01A98	A,TM	JL19	0	24	S	0	24	S	0	24	S																									Class VII water
2-CHK056.68	VAP-G06R_CHK01A98	TM	JL19	0	1	W	0	1	W	0	1	W	1	1	W						0	IN															Class VII water - 2012 PCB study - 1 sample - ok
2-CHK062.57	VAP-G06R_CHK01A98	A,TR	JL19	0	50	S	10	50	IM	0	50	S	7	36	IM																						Class VII water
2-CHK067.30	VAP-G05R_CHK02A04	A	JL17	0	12	S	2	12	IM	0	12	S	3	12	IM																						Class VII water; no new data since 2012 cycle
2-CHK070.14	VAP-G05R_CHK02A04	FPM,B	JL17	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S	0	S							IN							2007 Probmon; Class VII water; no data since 2010 cycle
2-CHK076.59	VAP-G05R_CHK01B10	A,CB,TR	JL17	0	38	S	1	38	S	7	38	IM	7	37	IM																						Trend Station
2-CHK079.23	VAP-G05R_CHK01A00	A,B,SS,TM	JL16	0	37	S	1	37	S	3	37	S	1	12	S						0	S									IM							2008, 2010 and 2012 benthics
2-CHK079.68	VAP-G05R_CHK01A00	TM	JL16	0	1	W	0	1	W	0	1	W																									
2-CHK081.80	VAP-G05R_CHK01A00	TM,B	JL16	0	2	S	0	2	S	0	2	S																			IM							2012 benthics
2-CHK082.52	VAP-G05R_CHK01A00	TM	JL16	0	1	W	0	1	W	0	1	W									0	IN															
2CHR-PCCR01-JCCS	VAT-G10R_ZZZ01A00	NONA	JL31										1	13	IN/O																						James City County Stormwater Division
2CJMS055.04	VAP-G04E_JMS03A04	C2	JL13		8	NA		8		0	8	S	0	1	W				0	IN	0	IN	0	S	0	S									1		1 sample event; 2010 water organics (HH only); no new data since 2012 cycle; 2010 WOE category 5A OH-M scenario 8 (possible cumulative chronic effects of metals & PAHs in sed)
2CJMS057.69 / 2-JMS057.69	VAP-G04E_JMS01A02	C,TM	JL13		3	NA		3		0	3	S															1	IM									2012 FT - PCBS 2 sp (gizzard shad, carp); 2012 sed - PCBs ok
2CJMS084.70	VAP-G02E_JMS02A00	C2	JL06		2	NA		2		0	2	W	0	1	W				0	S	0	S	0	S	0	S									1		1 sample event; 2010 water organics (HH only); no new data since 2012 cycle; 2010 WOE category 5A TF-M scenario 2 (possible cumulative chronic effects of metals & PAHs in sed)
2CJOP000.34	VAP-G05R_JOP01A14	FPM	JL18	0	3	S	0	3	S	0	3	S	1	1	W				0	IN	0	S															
2CKMK000.05	VAT-G15E_KMK01A12	A,B	JL56					1	IM	0	1	IN				0	1	IN	0	IN	0	IN									J						LAFMH, 09 C2 Benthic ProbMon
2CLAF004.35	VAT-G15E_LAF01A06	C2,B	JL56					1	IM	0	1	IN				0	1	IN	0	S											J						LAFMH, 11 C2 Benthic ProbMon
2-CLG000.23	VAT-G10E_CLG01A06	A,TR	JL34					34	IM	0	34	S				3	34	O																			JMSOH
2-CLG001.77	VAT-G10E_CLG01A06	A,B	JL34					3	IM	0	3	IN				0	1	IN	0	IN	0	IN									J						JMSOH, 09 C2 Benthic ProbMon , JMSOH
2CLG-COLOCC1-NPSN	VAT-G10E_CLG01A06	NONA	JL34					24	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2CLG-COLOCCUT1-NPSN	VAT-G10E_CLG01A06	NONA	JL34					5	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2CMIG000.85	VAT-G15E_ZZZ01A00	A,B,C2	JL58					1	IM	0	1	IN				0	1	IN	0	IN	0	IN									J						JMSPH, 08 C2 Benthic ProbMon
2CMOC001.95	VAP-G08E_MOC01A02	C2	JL29		10	NA		10		0	10	S				1	3	IN	0	S	0	S	0	S	0	S									3		2010 water organics (HH only); no new data since 2012 cycle; 2010 WOE (2 visits) category 3B OH-S scenario 8 & category 2A, OH-S scenario 2
2CNAN000.66	VAT-G13E_NAN04A00	A,B,C2	JL49					1	IM	0	1	IN				0	1	IN	0	IN	0	IN									J						JMSMH,08 C2 Benthic ProbMon
2CNAN000.69	VAT-G13E_NAN04A00	C2,B	JL49					4	IM	0	4	IN				0	1	IN	0	S											FS						JMSMH, 11 C2 Benthic ProbMon
2CNAN001.18	VAT-G13E_NAN04A00	A,B,C2	JL49					5	IM	0	5	IN				0	1	IN	0	IN	0	IN			0	S					J						JMSMH, 10 C2 Benthic ProbMon
2CNAN002.00	VAT-G13E_NAN04A00	C2,B	JL49					4	IM	0	4	IN				0	1	IN	0	S											J						JMSMH, 11 C2 Benthic ProbMon
2CNAN010.55	VAT-G13E_NAN03A06	A,B	JL49					4	IM	0	4	IN				0	1	IN	0	IN	0	IN									J						JMSMH, 09 C2 Benthic ProbMon
2CNAN017.59	VAT-G13E_NAN01A00	C2,B	JL48					5	IM	0	5	IN				1	1	IN/O													FS						JMSMH, 12 C2 Benthic ProbMon
2-CNR000.66	VAP-G07R_CNR02A00	TM	JL24	0	12	S	1	12	S	1	12	S	0	12	S																						No new data since 2012 cycle
2-CNR001.54	VAP-G07R_CNR01A00	TM	JL24	0	12	S	0	12	S	1	12	S	1	12	S																						No new data since 2012 cycle
2-CNR001.58	VAP-G07R_CNR01A00	TM	JL24	0	12	S	0	12	S	2	12	IM	2	12	IM																						No new data since 2012 cycle - mistaken pH violation rate in 2012 cycle
2-CNR002.69	VAP-G07R_CNR01A00	TM	JL24	0	12	S	4	12	IM	3	12	IM	4	12	IM																						No new data since 2012 cycle
2-CPN004.81	VAT-G11R_CPN01A00	A,B	JL40	0	5	S	0	5	S	0	5	S	2	2	IN/O																FS						VCPMI [2009_FS: S=37.2, F=100] DELIST
2CPN-1-IRC	VAT-G11R_CPN01A00	CMON	JL40	0	26	S	0	26	S	0	25	IN	1	7	IN/O																						Isle of Wight Ruritan Club
2CRIC000.14	VAT-G11E_JMS04A06	A,B	JL43					2	IM	0	2	IN				0	1	IN	0	IN	0	IN									J						JMSMH, 09 C2 Benthic ProbMon
2CRIC000.41	VAT-G11E_JMS04A06	C2,B	JL43					2	IM	0	2	IN				1	1	IN/O													J						JMSMH, 12 C2 Benthic ProbMon
2-CRL001.83	VAT-G14R_CRL02A08	A,CR	JL46	0	35	S	9	34	IM	1	35	S	5	35	IM						0	S															WTOX=NH3
2-CRL004.04	VAT-G14R_CRL01A08	A,B	JL46	0	4	S	0	4	S	1	4	IN/O	1	1	IN/O						0	S									FS						VCPMI [2009_FS: S=33.9, F=83.3] DELIST BENTHIC, WTOX=NH3
2CRL-1-IRC	VAT-G14R_CRL01A08	CMON	JL46	0	17	S	3	17	IN/O	1	16	IN/O																									Isle of Wight Ruritan Club
2-CRT001.00	VAP-G03R_CRT01B00	A,B	JL10	0	14	S	1	14	S	1	14	S	3	12	IM																IN						2012 benthics
2CSBE005.84	VAT-G15E_SBE02A06	A,B,C2	JL53					12	IM	0	12	IN				0	1	IN	0	IN	0	IN			0	S					IM						SBEMH, 10 C2 Benthic ProbMon (cumulative effects of multiple contaminants (metals & PAHs) most probable). All three benthic indices score degraded.
2CUCK003.62	VAP-G04E_UCK01A06	C2	JL14		2	NA		2		0	2	W	0	1	W						0	IN	0	S	0	S									1		One sample event; 2012 WOE category 2A TF-M scenario 2
2CUCK005.21	VAP-G04E_UCK01A06	C2	JL14		2	NA		2		0	2	W	0	1	W				0	IN	0	IN	0	S	0	S									1		WOE - 2008: Category 2A; OH-M scenario 2; 1 sample event; no data since 2010 cycle
2CWBE000.70	VAT-G15E_WBE02A00	C2,B	JL55					7	IM	0	7	IN				0	1	IN	0	IN											IM						WBEMH, 12 C2 Benthic ProbMon (High probability of chronic effects from sediment metals and PAH contamination)
2CWBE004.37	VAT-G15E_WBE01A02	C2,B	JL55					5	IM	0	5	IN				1	1	IN/O													J						WBEMH, 12 C2 Benthic ProbMon
2CWLY002.23	VAT-G15E_WLY01A06	A,B,C2	JL57					3	IM	0	3	IN				1	1	IN/O	0	IN	0	IN			0	S					J						JMSPH, 10 C2 Benthic ProbMon
2CXAA000.08	VAP-G07R_XAA01A10	TM	JL23	0	12	S	1	12	S	3	12	IM																									No new data since 2012 cycle
2CXAB000.15	VAP-G07R_XAB01A10	TM	JL24	0	12	S	0	12	S	2	12	IM	1	12	S																						No new data since 2012 cycle

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Lower)																																					
2-KMG003.11	VAP-G03R_KMG01A02	TM	JL07																		0	IN															2012 PCB Study - 1 sample - ok
2KMK-10-FNE	VAT-G15E_KMK01A12	CMON	JL56													3	12	IM																			LAFMH, Friends of Norfolk Environment
2KMK-11-FNE	VAT-G15E_KMK01A12	CMON	JL56													1	12	S																			LAFMH, Friends of Norfolk Environment
2KMK-1-FNE	VAT-G15E_KMK01A12	CMON	JL56													6	12	IM																			LAFMH, Friends of Norfolk Environment
2KMK-2-FNE	VAT-G15E_KMK01A12	CMON	JL56													4	12	IM																			LAFMH, Friends of Norfolk Environment
2KMK-3-FNE	VAT-G15E_KMK01A12	CMON	JL56													3	12	IM																			LAFMH, Friends of Norfolk Environment
2KMK-4-FNE	VAT-G15E_KMK01A12	CMON	JL56													3	12	IM																			LAFMH, Friends of Norfolk Environment
2KMK-5-FNE	VAT-G15E_KMK01A12	CMON	JL56													2	12	IM																			LAFMH, Friends of Norfolk Environment
2KMK-6-FNE	VAT-G15E_KMK01A12	CMON	JL56													3	12	IM																			LAFMH, Friends of Norfolk Environment
2KMK-7-FNE	VAT-G15E_KMK01A12	CMON	JL56													3	12	IM																			LAFMH, Friends of Norfolk Environment
2KMK-8-FNE	VAT-G15E_KMK01A12	CMON	JL56													3	12	IM																			LAFMH, Friends of Norfolk Environment
2KMK-9-FNE	VAT-G15E_KMK01A12	CMON	JL56													4	12	IM																			LAFMH, Friends of Norfolk Environment
2KNC-SKC000.05-SUF	VAT-G13E_KNC01A00	NONA	JL49							0	8	S				8	21	IM																			City of Suffolk
2-KSL002.62	VAP-G01R_KSL01A04	A,SS	JL03	0	1	S	0	1	S	0	1	S									1	IN/O															No new data since 2012 cycle; 2009 PCB Study - 1 H20 sample - >HH <ALUS
2CXAC000.20	VAP-G08E_XAC01A10	C2	JL28		8	NA		8		0	8	W				0	1	W	0	IN	0	IN	0	S	0	S								1			WOE - 2008: Category 5A; TF-M scenario 1 (probable acute and chronic effects of sed PAHs, possibly metals); 1 sample event; no data since 2010 cycle
2CXAF000.46	VAP-G08R_XAF01A12	FPM,B	JL29	0	2	S	2	2	IM	0	2	S	0	1	W				1	IN/O	0	S	0	S							IN						Class VII water; 2009 sed and benthics; 2009 dissolved Nickel chronic exceedance; no new data since 2012 cycle
2CXAG000.50	VAP-G05R_SNF02A12	TM	JL17	0	12	S	4	12	IM	6	12	IM	3	12	IM																						No new data since 2012 cycle
2CXAH000.35	VAP-G09R_XAH01A12	TM	JL26	0	9	S	4	9	IM	1	9	IN	2	6	IM						0	S															
2CXAI000.50	VAP-G09R_XAI01A12	TM	JL26	0	11	S	0	11	S	1	11	S																									No new data since 2012 cycle
2CXAJ000.69	VAP-G09R_XAJ01A12	TM	JL26	0	11	S	2	11	IM	1	11	S																									No new data since 2012 cycle
2CXAJ002.12	VAP-G09R_XAJ01A12	TM	JL26	0	1	W	0	1	W	1	1	W																									No new data since 2012 cycle
2CXAK000.08	VAP-G09R_XAK01A12	TM	JL26	0	11	S	2	11	IM	1	11	S																									No new data since 2012 cycle
2CXAL000.15	VAP-G09R_XAL01A12	TM	JL26	0	11	S	6	11	IM	2	11	IM																									No new data since 2012 cycle
2CXAM000.42	VAP-G09R_XAM01A12	TM	JL26	0	11	S	0	11	S	1	11	S																									No new data since 2012 cycle
2CXAN000.08	VAP-G03R_BER01A06	TM	JL07	0	1	W	1	1	W	0	1	W									1	IN/O															2009 PCB Study - 1 H20 sample - >HH
2CXAY000.23	VAP-G01R_XAY01A06	SS	JL01	0	1	W	1	1	W	0	1	W									1	IN/O															2009 water column PCB study - 1 sample > both HH & ALUS; no new data since 2012 cycle
2CXBB000.62	VAP-G04R_XBB01A14	A	JL14	0	12	S	1	12	S	0	12	S	2	12	IM																						
2CXBC-1-VMN	VAP-G05R_ZZZ01B02	CMON	JL18	0	8	IN	2	7	IN/O	3	8	IN/O	0	2	IN																						VMN - level 2
2CXBD000.15	VAP-G01R_XBD01B04	A,TM	JL03	0	10	S	3	10	IM	3	10	IM																									
2CXBE000.69	VAP-G02R_XBE01A14	TM	JL06	0	10	S	0	10	S	4	10	IM																									
2CXBG000.02	VAP-G01R_XBG01A14	TM	JL01	0	1	W	0	1	W	0	1	W	1	1	W						1	IN/O															2012 PCB MS4 station - 1 sample > HH < ALUS
2CXBL000.23	VAP-G03R_XBL01A14	TM	JL07																		0	IN															2012 PCB Study - 1 sample - ok
2CXBM000.12	VAP-G03R_XBM01A14	TM	JL07																		0	IN															2012 PCB Study - 1 sample - ok
2CXBP000.08	VAP-G05R_XBP01A14	TM	JL16	0	1	W	0	1	W	0	1	W									0	IN															
2CYP-1-IRC	VAT-G11R_CYP01A14	CMON	JL40	0	9	S	0	9	S	0	9	IN	2	7	IN/O																						Isle of Wight Ruritan Club
2CYP-CYP2-ALL	VAT-G11E_CYP01A06	CMON	JL40					11	IM	0	11	S																									Alliance for the Chesapeake Bay, JMSMH
2-DEP000.26	VAT-G11E_DEP01A02	A,TR	JL38					36	IM	0	36	S				8	36	IM																			JMSMH
2-DKM000.04	VAP-G07R_DKM01A10	TM	JL24	0	12	S	0	12	S	0	12	S	0	12	S																						No new data since 2012 cycle
2-DRK000.31	VAP-G10R_DRK01A14	A,B	JL32	0	12	S	0	11	S	0	12	S	4	12	IM						0	S									IN						No data since 2010 cycle; 2008 benthics; previously considered tidal mistakenly
2-DSC003.19	VAP-G08E_DSC01A00	A	JL27		11	NA		11		0	11	S				1	11	S																			No data since 2010 cycle - enterococci impairment
2-DSC005.91	VAP-G09L_DSC01A00	L	JL26	0	144	S	7	102	S	4	144	S	0	21	S						0	S												0	3	S	Low DO in hypolimnion only TSI(TP) = 49, TSI(CA) = 52, TSI(SD) = 61 pooled DO= 12/191 obs (S); pooled pH =7 vios/254 obs (S)PWS; no new data since 2012 cycle
2-DSC007.09	VAP-G09L_DSC01A00	L	JL26	0	110	S	5	89	S	3	110	S	0	20	S						0	S												0	3	S	Epilimnion/nonstratified = DO 2/20, (Assume stratification in July per 2-DSC005.91 TSIs during stratified periods = TSI(TP) = 52, TSI(CA) = 56, TSI(SD) = 63 pooled DO= 12/191 obs (S); pooled pH =7 vios/254 obs (S)PWS; no new data since 2012 cycle
2-DSC011.33	VAP-G09R_DSC01A00	TM	JL26	0	11	S	5	11	IM	2	11	IM																									No new data since 2012 cycle
2-DSC012.67	VAP-G09R_DSC01A00	A,TM	JL26	0	24	S	1	24	S	1	24	S	0	1	W						0	S															PWS; no E. coli data since 2010 cycle - prev impairment
2-DSC014.53	VAP-G09R_DSC01A00	TM	JL26	0	11	S	5	11	IM	1	11	S																									beaver dam, dark water; no new data since 2012 cycle
2-DSC015.32	VAP-G09R_DSC01A00	TM	JL26	0	11	S	4	11	IM	2	11	IM																									No new data since 2012 cycle
2-EBE000.40	VAT-G15E_EBE02A06	A,SS	JL54					221	IM	0	228	S				2	34	S																			EBEMH
2-EBE002.97	VAT-G15E_EBE02A06	A,TM,SS	JL54																						0	S											12-SedTox PCBs
2-EBE002.98	VAT-G15E_EBE02A06	A,C,TM,TR	JL54					432	IM	0	427	S				3	68	S							0	S			2	IM							12-IM FTox PCBs - 12 Mummichog, Gizzard Shad, 12-SedTox PCBs, EBEMH
2-ELI000.68	VAT-G15E_ELI03A08	A,TM,SS	JL59																						0	S											12-SedTox PCBs, ELIPH
2-ELI000.69	VAT-G15E_ELI03A08	C,TM,SS	JL59																						0	S			3	IM							12-IM FTox PCBs -12 Croaker, Gizzard Shad, Spot, 12-SedTox PCBs, ELIPH
2-ELI002.00	VAT-G15E_ELI03A08	A,TR	JL59					954	IM	0	944	S				0	68	S																			ELIPH
2-ELI003.52	VAT-G15E_ELI02A06	A	JL56					423	IM	0	435	S				0	34	S																			ELIPH

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Lower)																																					
2-ELI004.79	VAT-G15E_ELI02A06	A,C,TR	JL56					422	IM	0	427	S				1	69	S			0	S							1	O								12-O Ftox PCBs -12 Mummichog, ELIPH, WTOX=NH3
2-ELI006.92	VAT-G15E_ELI01A06	A,TR	JL56					823	IM	0	805	S				3	69	S			0	S																ELIPH, WTOX=NH3
2-FAC000.85	VAP-G01R_FAC01A00	A,SS,TR	JL02	0	28	S	0	28	S	0	28	S	2	24	S						0	S																Trend Station; 2009 PCB Study - 2 H20 samples both ok
2-FAC003.85	VAP-G01L_FAC01A98	L	JL02	0	87	S	13	57	IM	10	86	IM	0	14	S						0	S													0	2	S	DO 13/14 in hypolimnion, 1/23 in top layer TSI(TP) = 59, TSI(CA) = 53, TSI(SD) = 62;'pooled DO= 11 vios/60 obs (IM); pooled pH =10 vios/ 97 obs (S); pooled E.coli 2/26(S), no new data since 2012 cycle
2-FAC008.17	VAP-G01R_FAC02C08	A	JL02	0	16	S	0	16	S	1	16	S																										No new data since 2012 cycle
2-FAC009.46	VAP-G01R_FAC02C08	A,TR,TM	JL02	0	37	S	0	37	S	0	37	S	4	36	IM																							
2-FAC-18-CWT	VAP-G01R_FAC02C08	CMON	JL02	0	35	IN	1	26	IN	0	47	IN																										Chesterfield Water Trends - level II; previously 2-FAC-18-FOCR
2-FAC-19-CWT	VAP-G01R_FAC01A00	CMON	JL02	0	22	IN	0	22	IN	0	31	IN																										previously 2-FAC-19-FOCR - Chesterfield WaterTrends - level 2
2-FAC-201-CWT	VAP-G01R_XDA01A12	CMON	JL02	0	11	IN																																Walton Lake - previously 2-FAC-201-FOCR - Chesterfield WaterTrends - level 2 - no new data since 2012 cycle
2-FAC-202-CWT	VAP-G01R_XDA01A12	CMON	JL02	0	20	IN	4	19	IN/O	0	20	IN																										Walton Lake - previously 2-FAC-202-FOCR - Chesterfield WaterTrends level 2
2-FAC-203-CWT	VAP-G01R_XDA01A12	CMON	JL02	0	11	IN																																Walton Lake - previously 2-FAC-203-FOCR - Chesterfield WaterTrends level 2 - no new data since 2012 cycle
2-FAC-204-CWT	VAP-G01R_XDA01A12	CMON	JL02	0	20	IN	3	19	IN/O	0	20	IN																										Walton Lake - previously 2-FAC-204-FOCR - Chesterfield WaterTrends level 2
2-FAC-38-CWT	VAP-G01R_FAC02A04	CMON	JL02							0	10	IN																										Lake Salisbury - Chesterfield WaterTrends - level 2
2-GIL000.42	VAP-G01R_GIL01A04	A,TM,SS	JL01	0	37	S	0	37	S	3	37	S	17	32	IM						1	IM																E. coli geomean 2/2 (IM) - however many below detection; pH high; 2009 PCB Study - 2 samples both >HH <ALUS;
2-GIL001.00	VAP-G01R_GIL01A04	TM	JL01	0	5	S	0	5	S	0	5	S																										previously named 2-GIL000.42; no data since 2010 cycle - previous high pH impairment
2-GIL001.77	VAP-G01R_GIL01A04	TM	JL01	0	15	S	0	15	S	1	15	S	19	20	IM																							pH violation was below standard; E. coli geomean 1/1 (OE) - no new data since 2012 cycle
2-GOD000.77	VAP-G01R_GOD01A00	A,TM,SS	JL01	0	20	S	0	20	S	0	20	S	8	14	IM						1	IM																2009 PCB Study - 2 samples both >HH <ALUS
2-GOR000.35	VAP-G08E_GOR01A06	A	JL29		27	NA		26		0	27	S				4	33	IM																				No new data since 2012 cycle
2-GRC000.96	VAP-G05R_GRC01A04	TM,B	JL16	0	61	S	19	61	IM	5	61	S									0	S									IN							2007-2008 and 2010 benthics - no new data, but determination that variability due to small impoundment. VSCI not designed for that situation so delist
2-GRK000.35	VAP-G01R_GRK01A12	SS	JL02	0	1	W	0	1	W	0	1	W									1	IN/O																2009 PCB Study - 1 H20 sample - >HH
2-GRV000.01	VAP-G03E_GRV01A02	SS	JL07		2	NA		2		0	2	S									1	O																2009 PCB Study - 2 H20 sample - one ok, other >HH
2GRW-1-IRC	VAT-G14R_ZZZ01B14	CMON	JL47	0	17	S	8	17	IN/O	2	16	IN/O																										Isle of Wight Ruritan Club
2GRW-2-IRC	VAT-G11R_ZZZ01A00	CMON	JL40	0	13	S	9	13	IN/O	8	13	IN/O	0	1	IN																							Isle of Wight Ruritan Club
2GRW-3-IRC	VAT-G14L_NWB01A08	CMON	JL47	0	8	S	5	8	IM	1	8	IN/O	0	6	IN																							Lake Burnt Mills pooled DO and pH data: DO (45 viol / 255 obs) IM; pH (55 viol / 644 obs) S. Isle of Wight Ruritan Club, Level II data except DO which is Level III
2-GTB000.65	VAP-G01R_GTB01A12	A	JL03	0	12	S	2	12	IM	1	12	S	1	12	S																							No new data since 2012 cycle - two data points not in last cycle's data pull
2-GTB-25-CWT	VAP-G01R_GTB01A12	CMON	JL03	0	9	IN	1	11	IN	1	18	IN																										Chesterfield WaterTrends - level II
2-GUN004.00	VAP-G03R_GUN01A00	A,TM	JL10	0	16	S	8	16	IM	0	16	S	0	3	S						0	S																Class VII water - no data since 2010 cycle
2-GUN004.34	VAP-G03R_GUN01A00	TM	JL10	0	1	W	0	1	W	0	1	W									0	IN																Class VII water - no data since 2010 cycle
2-GUN004.53	VAP-G03R_GUN01A00	TM	JL10	0	1	W	0	1	W	0	1	W									0	IN																Class VII water - no data since 2010 cycle
2-GUN005.77	VAP-G03R_GUN01A00	TM	JL10	0	1	W	0	1	W	0	1	W									0	IN																Class VII water - no data since 2010 cycle
2-GUN006.54	VAP-G03R_GUN01A00	TM	JL10	0	1	W	0	1	W	0	1	W									0	IN																Class VII water - no data since 2010 cycle
2-GUN007.43	VAP-G03R_GUN01A00	TM	JL10	0	1	W	0	1	W	0	1	W									0	IN																Class VII water - no data since 2010 cycle
2-HAI000.64	VAT-G15E_HAI01A06	A	JL58					12	IM	0	12	S				3	12	IM			0	S																JMSPH, WTOX=NH3
2-HAO-21-CWT	VAP-G01R_HAO01A08	CMON	JL02	2	46	IN	0	46	IN	0	68	IN																										previously 2-HAO-21-FOCR - Chesterfield WaterTrends - level 2
2-HEC-NFHFP4-ALL	VAP-G03R_HEC01A00	CMON	JL09	0	1	W	0	1	W	0	1	W																										Harrison Lake - ACB - no data since 2010 cycle - Level 2 pH, level 3 temp and DO
2-HOF000.44	VAT-G15E_HOF01A06	A,TR,CR	JL50					14	IM	0	14	S				5	12	IM																				JMSMH
2HOF-HCWF PIER	VAT-G15E_HOF01A06	CMON	JL50					68	IM	2	71	IN																										JMSMH, Hoffler Creek Wildlife Refuge
2-HRN-HC-ACB	VAP-G06R_HRN01A02	CMON	JL19	0	3	S	0	2	S	0	3	S	1	2	IN																							ACB - level 3 temp, DO, and pH; level 2 E. coli
2-HVC000.06	VAT-G15E_LAF01A06	A	JL56					7	IM	0	7	S				3	14	IM																				LAFMH
2-IND000.98	VAT-G15E_IND01A02	A,TR	JL54					35	IM	0	36	S				23	35	IM																				EBEMH
2-JMS005.72	VAT-G15E_JMS01A00	A,CB,TR	JL59					1044	IM	0	1002	S				0	67	S			0	S																JMSPH
2-JMS013.10	VAT-G11E_JMS04A06	A,C,CB,TR	JL43					408	IM	0	396	S				0	66	S			0	S			0	S			2	IM								12-IM FTox PCBs - 12 Mummichog, Gizzard Shad, 12-SedTox PCBs, JMSMH
2-JMS013.11	VAT-G11E_JMS04A06	A,TM,SS	JL43																						0	S												12-SedTox PCBs
2-JMS021.04	VAT-G11E_JMS01A06	A,CB,TR	JL37					550	IM	0	533	S				0	123	S			0	S																JMSMH
2-JMS032.59	VAT-G10E_JMS01B08	A,CB,TR	JL35					642	IM	3	622	S				0	64	S			0	S																JMSOH
2-JMS040.03	VAT-G10E_JMS01A06	C,TM,SS	JL33																						0	S			0	S								12-SedTox PCBs, 12-FT PCBs
2-JMS040.04	VAT-G10E_JMS01A06	TM,SS	JL33																						0	S												12-SedTox PCBs
2-JMS041.27	VAT-G10E_JMS01A06	A,SS	JL33					21	IM	0	21	S				0	22	S																				JMSOH
2-JMS042.92	VAT-G10E_JMS01A06	A,CB,TR	JL30					592	IM	0	574	S				3	62	S			0	S																JMSOH
2-JMS050.57	VAP-G04E_JMS02A02	A,TM	JL15		75	NA		73		0	75	S				1	62	S			0	S																transitional
2-JMS052.02	VAP-G04E_JMS03A04	A	JL15		22	NA		21		0	21	S	2	22	S																					12		No new data since 2012 cycle

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Lower)																																					
2-JMS052.67	VAP-G04E_JMS03A04	C	JL15																				0	S			1	IM									2012 FT - PCBS 3 sp (gizzard shad, carp, blue catfish); 2012 sed - PCBs ok
2-JMS052.68	VAP-G04E_JMS03A04	C	JL15																				0	S													2012 sed - PCBs ok
2-JMS055.94	VAP-G04E_JMS03A04	CB,TR	JL13		617	NA		599		0	617	S	1	71	S						0	S													68		Trend Station
2-JMS066.88	VAP-G03E_JMS01B10	A,C,SS	JL11		2	NA		2		0	2	S									0	S			0	S	1	IM									2009 PCB Study - 2 samples both ok; 2012 FT - PCBs 2 sp (gizzard shad, blue catfish); 2012 sed - PCBs ok
2-JMS069.08	VAP-G03E_JMS01B10	CB,TR	JL11		576	NA		560		0	577	S	2	68	S						0	S													67		Trend Station
2-JMS074.44	VAP-G03E_JMS01A00	A,C,TR	JL07		83	NA		81		0	82	S	1	3	O						0	S			0	S	1	IM							33		no E. coli data since 2012 cycle - E. coli geomean 1/3 (OE) if couldn't be calculated would be 5/45 (IM) ; 2009 PCB Study - 2 samples both ok; 2012 FT - PCBs 3 sp (blue catfish, gizzard shad, carp); 2012 sed - PCBs ok
2-JMS074.45	VAP-G03E_JMS01A00	C	JL07																				0	S													2012 sed - PCBs ok
2-JMS075.04	VAP-G03E_JMS01A00	CB,TR	JL07		590	NA		569		0	590	S	9	68	IM						0	S													69		Trend Station
2-JMS079.11	VAP-G02E_JMS02A00	TM	JL06		12	NA		12		0	11	S	3	3	IM																						Geomean 3/3 -some nondetects - if couldn't be calculated would be 7/12 (IM); no new data since 2012 cycle
2-JMS087.01	VAP-G02E_JMS02A00	A,C	JL06		72	NA		70		1	72	S	4	67	S						1	IM			0	S	1	IM									PWS - NO3 ok; 2009 PCB Study - 2 samples both >HH
2-JMS087.02	VAP-G02E_JMS02A00	C	JL06																				0	S													2012 sed - PCBs ok
2-JMS093.21	VAP-G02E_JMS02A00	TM	JL06		12	NA		12		0	11	S	1	3	O																						Geomean 1/3 (OE) - if couldn't be calculated would be 1/12 (S); no new data since 2012 cycle
2-JMS097.41	VAP-G02E_JMS01A00	TM	JL06		12	NA		12		0	11	S	1	3	O																						Geomean 1/3 - if couldn't be calculated would be 2/12 (IM); no new data since 2012 cycle
2-JMS097.77	VAP-G02E_JMS01A00	C	JL06																								1	IM									2012 FT - PCBs 3 sp (carp, gizzard shad, channel catfish)
2-JMS099.30	VAP-G01E_JMS03A02	CB,TR	JL03		665	NA		650		6	665	S	4	63	S						0	S													68		Trend station
2-JMS104.16	VAP-G01E_JMS03A02	CB,TR	JL01		502	NA		485		0	502	S	13	65	IM						0	S													68		Trend Station
2-JMS104.58	VAP-G01E_JMS03A02	TM	JL01		12	NA		12		1	11	S	3	3	IM																						Geomean 2/3 but most were nondetects (3/12 instantaneous); no new data since 2012 cycle
2-JMS106.55	VAP-G01E_JMS03A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS107.32	VAP-G01E_JMS03A02	TM	JL01		12	NA		12		0	11	S	2	3	IM																						Geomean 2/3 but many nondetects (3/12 instantaneous); no new data since 2012 cycle
2-JMS107.94	VAP-G01E_JMS03A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.27	VAP-G01E_JMS03A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.28	VAP-G01E_JMS03A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.29	VAP-G01E_JMS03A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.32	VAP-G01E_JMS03A02	TM	JL01		11	NA		11		0	11	S	7	11	IM																						Geomean 1/1; no new data since 2012 cycle
2-JMS108.33	VAP-G01E_JMS03A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.52	VAP-G01E_JMS03A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.53	VAP-G01E_JMS03A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.54	VAP-G01E_JMS03A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.55	VAP-G01E_JMS03A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.68	VAP-G01E_JMS02A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.69	VAP-G01E_JMS02A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.70	VAP-G01E_JMS02A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.72	VAP-G01E_JMS02A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.73	VAP-G01E_JMS02A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.74	VAP-G01E_JMS02A02	TM	JL01		15	NA		15		0	15	S	12	15	IM																						Geomean 1/1 (OE); no new data since 2012 cycle
2-JMS108.83	VAP-G01E_JMS01A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						believed to be in the Richmond WWTP effluent mix; no new data since 2012 cycle
2-JMS108.84	VAP-G01E_JMS01A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.85	VAP-G01E_JMS01A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.92	VAP-G01E_JMS01A02	TM	JL01		1	NA		1		1	1	W	1	1	W																						In Richmond WWTP effluent; no new data since 2012 cycle
2-JMS108.93	VAP-G01E_JMS01A02	TM	JL01		2	NA		2		0	2	S	2	2	IM																						No new data since 2012 cycle
2-JMS108.94	VAP-G01E_JMS01A02	TM	JL01		3	NA		3		0	3	S	3	3	IM																						No new data since 2012 cycle
2-JMS108.95	VAP-G01E_JMS01A02	TM	JL01		2	NA		2		0	2	S	2	2	IM																						No new data since 2012 cycle
2-JMS108.96	VAP-G01E_JMS01A02	TM	JL01		2	NA		2		0	2	S	2	2	IM																						No new data since 2012 cycle
2-JMS108.97	VAP-G01E_JMS01A02	TM	JL01		20	NA		20		0	20	S	2	2	IM																						Geomean 2/2; 17/20 instantaneous (IM); no new data since 2012 cycle
2-JMS108.98	VAP-G01E_JMS01A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS108.99	VAP-G01E_JMS01A02	TM	JL01		2	NA		2		0	2	S	2	2	IM																						No new data since 2012 cycle
2-JMS109.00	VAP-G01E_JMS01A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS109.01	VAP-G01E_JMS01A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS109.02	VAP-G01E_JMS01A02	TM	JL01		2	NA		2		0	2	S	2	2	IM																						No new data since 2012 cycle
2-JMS109.03	VAP-G01E_JMS01A02	TM	JL01		1	NA		1		0	1	W	1	1	W																						No new data since 2012 cycle
2-JMS109.04	VAP-G01E_JMS01A02	TM	JL01		3	NA		3		0	3	S	3	3	IM																						No new data since 2012 cycle
2-JMS109.05	VAP-G01E_JMS01A02	TM	JL01		2	NA		2		0	2	S	2	2	IM																						No new data since 2012 cycle
2-JMS109.06	VAP-G01E_JMS01A02	TM	JL01		2	NA		2		0	2	S	2	2	IM																						No new data since 2012 cycle
2-JMS109.07	VAP-G01E_JMS01A02	TM	JL01		3	NA		3		0	3	S	3	3	IM																						No new data since 2012 cycle
2-JMS109.08	VAP-G01E_JMS01A02	TM	JL01		2	NA		2		0	2	S	2	2	IM																						No new data since 2012 cycle
2-JMS109.09	VAP-G01E_JMS01A02	TM	JL01		3	NA		3		0	3	S	3	3	IM																						No new data since 2012 cycle

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Lower)																																					
2-JMS109.10	VAP-G01E_JMS01A02	TM	JL01		3	NA		3		0	3	S	4	4	IM																							No new data since 2012 cycle
2-JMS109.11	VAP-G01E_JMS01A02	TM	JL01		2	NA		2		0	2	S	2	2	IM																							No new data since 2012 cycle
2-JMS109.12	VAP-G01E_JMS01A02	TM	JL01		3	NA		3		0	3	S	3	3	IM																							No new data since 2012 cycle
2-JMS109.13	VAP-G01E_JMS01A02	TM	JL01		3	NA		3		0	3	S	3	3	IM																							No new data since 2012 cycle
2-JMS109.14	VAP-G01E_JMS01A02	TM	JL01		2	NA		2		0	2	S	2	2	IM																							No new data since 2012 cycle
2-JMS109.15	VAP-G01E_JMS01A02	TM	JL01		3	NA		3		0	3	S	3	3	IM																							No new data since 2012 cycle
2-JMS109.16	VAP-G01E_JMS01A02	TM	JL01		34	NA		34		0	33	S	6	6	IM																							Geomean 6/6; 24/34 instantaneous (IM)
2-JMS109.17	VAP-G01E_JMS01A02	TM	JL01		3	NA		3		0	3	S	3	3	IM																							No new data since 2012 cycle
2-JMS109.18	VAP-G01E_JMS01A02	TM	JL01		3	NA		3		0	3	S	3	3	IM																							No new data since 2012 cycle
2-JMS109.19	VAP-G01E_JMS01A02	TM	JL01		3	NA		3		0	3	S	3	3	IM																							No new data since 2012 cycle
2-JMS109.20	VAP-G01E_JMS01A02	TM	JL01		4	NA		4		0	4	S	4	4	IM																							No new data since 2012 cycle
2-JMS109.21	VAP-G01E_JMS01A02	TM	JL01		1	NA		1		0	1	W	1	1	W																							No new data since 2012 cycle
2-JMS109.22	VAP-G01E_JMS01A02	TM	JL01		1	NA		1		0	1	W	1	1	W																							No new data since 2012 cycle
2-JMS109.35	VAP-G01E_JMS01A02	TM	JL01		1	NA		1		0	1	W	1	1	W																							No new data since 2012 cycle
2-JMS109.36	VAP-G01E_JMS01A02	TM	JL01		1	NA		1		0	1	W	1	1	W																							No new data since 2012 cycle
2-JMS109.37	VAP-G01E_JMS01A02	TM	JL01		1	NA		1		0	1	W	1	1	W																							No new data since 2012 cycle
2-JMS109.38	VAP-G01E_JMS01A02	TM	JL01		2	NA		2		0	2	S	3	3	IM																							No new data since 2012 cycle
2-JMS109.39	VAP-G01E_JMS01A02	TM	JL01		14	NA		14		0	14	S	12	14	IM																							Geomean 1/1 (OE); no new data since 2012 cycle
2-JMS109.40	VAP-G01E_JMS01A02	TM	JL01		3	NA		3		0	3	S	3	3	IM																							No new data since 2012 cycle
2-JMS109.41	VAP-G01E_JMS01A02	TM	JL01		3	NA		3		0	3	S	3	3	IM																							No new data since 2012 cycle
2-JMS109.42	VAP-G01E_JMS01A02	TM	JL01		3	NA		3		0	3	S	3	3	IM																							No new data since 2012 cycle
2-JMS109.45	VAP-G01E_JMS01A02	TM	JL01		14	NA		14		0	14	S	11	14	IM																							Geomean 1/1 (OE); no new data since 2012 cycle
2-JMS109.47	VAP-G01E_JMS01A02	TM	JL01		16	NA		16		0	17	S	11	16	IM																							Geomean 1/1 (OE); no new data since 2012 cycle
2-JMS109.90	VAP-G01E_JMS01A02	TM	JL01		1	NA		1		0	1	W	1	1	W																							No new data since 2012 cycle
2-JMS110.00	VAP-G01E_JMS01A02	C	JL01																						0	S			1	IM								2012 FT - 4 sp (striped bass, carp, blue catfish, flathead catfish); 2012 sed - PCBs ok
2-JMS-8-CWT	VAP-G02E_JMS02A00	CMON	JL06		243	NA		243		0	243	IN	3	11	IN/O																							previously 2-JMS-FOCRE-ALL - Chesterfield WaterTrends - Level II
2-JMS-FOCR27A-ALL	VAP-G02E_JMC01A10	CMON	JL06		4	NA		4		0	4	IN	0	4	IN																							FOCR - Level II - no data since 2010 cycle
2-JOG000.62	VAT-G11E_JOG02A08	A,TR	JL41					31	IM	0	31	S				3	31	S																				JMSMH
2JOG-JC1-ALL	VAT-G11E_JOG02A08	CMON	JL41					8	IM	0	8	S																											Alliance for the Chesapeake Bay, JMSMH
2-JRN000.81	VAP-G07R_JRN01A00	A	JL23	0	12	S	0	12	S	0	12	S																										
2-KAN000.03	VAP-G01E_KAN01A14	SS	JL01	0	2	S	0	2	S	0	2	S									1	O																2009 PCB Study - 2 H20 samples - one ok, other exceeds both HH and ALUS
2-LAF001.15	VAT-G15E_LAF02A06	A,CB,TR	JL56					212	IM	0	209	S				1	70	S			0	S																LAFMH
2-LAF001.65	VAT-G15E_LAF01A06	A	JL56					7	IM	0	7	S				2	13	IM																				LAFMH
2-LAF001.78	VAT-G15E_LAF01A06	A	JL56					7	IM	0	7	S				6	13	IM																				LAFMH
2-LAF001.95	VAT-G15E_LAF01A06	A	JL56					7	IM	0	7	S				10	13	IM																				LAFMH
2-LAF002.21	VAT-G15E_LAF01A06	A	JL56					7	IM	0	7	S				2	13	IM																				LAFMH
2-LAF002.81	VAT-G15E_LAF01A06	A	JL56					7	IM	0	7	S				2	13	IM																				LAFMH
2-LAF003.35	VAT-G15E_LAF01A06	A	JL56					7	IM	0	7	S				3	14	IM																				LAFMH
2-LAF003.40	VAT-G15E_LAF01A06	A	JL56					7	IM	0	7	S				3	12	IM																				LAFMH
2-LAF003.83	VAT-G15E_LAF01A06	A,C,SS,TR	JL56					212	IM	0	209	S				6	71	S			0	S			0	S			3	IM								12-IM FTox PCBs - 12 Croaker, Gizzard Shad, Mummichog, 12-Sed , WTOX=NH3, LAFMH
2-LAF003.84	VAT-G15E_LAF01A06	A,TM	JL56																						0	S												12-SedTox PCBs, LAFMH
2-LAF004.07	VAT-G15E_LAF01A06	A	JL56					7	IM	0	7	S				3	13	IM																				LAFMH
2-LAF004.58	VAT-G15E_LAF01A06	A	JL56					7	IM	0	7	S				3	13	IM																				LAFMH
2-LAW000.42	VAT-G11E_LAW01A00	A	JL36					12	IM	0	12	S				4	12	IM			0	S																WTOX-NH3, JMSMH
2-LCN000.20	VAT-G12L_LCN01A06	L	JL45	0	165	S	14	58	IM	4	165	S	0	21	S						0	S														0	2		Lake Cohoon pooled nutrient data: Chla (0 viol / 2 obs) S 2009,2012. Lake Cohoon pooled DO and pH data: DO (15 viol / 75 obs) IM; pH (4 viol / 198 obs) S. Water Toxics - NH3=S
2-LHR001.76	VAT-G11L_LHR01A08	L	JL38	0	21	S	3	21	S	0	21	S	0	7	S						0	S													0	1	IN	0	1		Lee Hall pooled nutrient data: Chla and TP (0 viol / 1 obs) IN 2010. Lee Hall pooled DO and pH data: DO (4 viol /38 obs) S; pH (0 viol / 38 obs) S. Water Toxics - NH3=S
2-LHR002.56	VAT-G11L_LHR01A08	A	JL38	0	17	S	1	17	S	0	17	S	0	7	S						0	S																	Lee Hall pooled DO and pH data: DO (4 viol /38 obs) S; pH (0 viol / 38 obs) S. Water Toxics - NH3=S
2-LKH000.04	VAP-G05R_SNF02A12	TM	JL17	0	12	S	0	12	S	2	12	IM	2	12	IM																							No new data since 2012 cycle
2-LKH001.00	VAP-G05R_SNF02A12	TM	JL17	0	12	S	3	12	IM	2	12	IM	1	12	S																							No new data since 2012 cycle
2-LKH001.46	VAP-G05R_SNF02A12	TM	JL17	0	12	S	0	12	S	1	12	S	2	12	IM																							No new data since 2012 cycle
2-LKH002.42	VAP-G05R_SNF02A12	TM	JL17	0	12	S	2	12	IM	2	12	IM	4	12	IM																							No new data since 2012 cycle
2-LKH003.42	VAP-G05R_SNF02A12	TM	JL17	0	12	S	1	12	S	2	12	IM	2	12	IM																							No new data since 2012 cycle
2-LMD000.02	VAT-G12L_LMD01A06	L	JL45	0	123	S	13	85	IM	0	123	S	0	21	S						0	S													2	2	IM	0	2		Lake Meade pooled nutrient data: TP & Chla (2 viol / 2 obs) IM 2009,2012 (algaecide application- use TP data). Lake Cohoon pooled DO and pH data: DO (38 viol / 225 obs) IM; pH (4 viol / 308 obs) S. Water Toxics - NH3=S
2-LMD000.20	VAT-G12L_LMD01A06	L	JL45	0	38	S	6	25	IM	0	38	S	0	7	S						0	S																	Lake Cohoon pooled DO and pH data: DO (38 viol / 225 obs) IM; pH (4 viol / 308 obs) S. Water Toxics - NH3=S

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Lower)																																					
2-LMD000.41	VAT-G12L_LMD01A06	L	JL45	0	26	S	5	26	IM	0	26	S	0	7	S						0	S																Lake Cohoon pooled DO and pH data: DO (38 viol / 225 obs) IM; pH (4 viol / 308 obs) S. Water Toxics - NH3=S
2-LMD001.41	VAT-G12L_LMD01A06	L	JL45	0	96	S	13	70	IM	2	96	S	0	21	S						0	S																Lake Cohoon pooled DO and pH data: DO (38 viol / 225 obs) IM; pH (4 viol / 308 obs) S. Water Toxics - NH3=S
2-LMD002.07	VAT-G12L_LMD01A06	L	JL45	0	25	S	1	19	IM	2	25	S	0	7	S						0	S																Lake Cohoon pooled DO and pH data: DO (38 viol / 225 obs) IM; pH (4 viol / 308 obs) S. Water Toxics - NH3=S
2-LMD004.35	VAT-G12L_LCN01A06	L	JL45	0	33	S	1	17	IM	0	33	S	0	7	S						0	S																Lake Cohoon pooled DO and pH data: DO (15 viol / 75 obs) IM; pH (4 viol / 198 obs) S. Water Toxics - NH3=S
2-LPR000.02	VAT-G14L_LPR01A06	L	JL46	0	164	S	14	87	IM	0	164	S	0	20	S						0	S										0	2	S	0	2		Lake Prince pooled nutrient data: TP & Chla (0 viol / 2 obs) S 2009, 2012. Lake Prince pooled DO and pH data: DO (253 viol / 1566 obs) IM; pH (2 viol / 1859 obs) S. Water Toxics - NH3=S
2-LPR007.55	VAT-G14L_LPR01A06	L	JL46	0	33	S	3	20	IM	0	33	S	0	7	S						0	S																Lake Prince pooled DO and pH data: DO (253 viol / 1566 obs) IM; pH (2 viol / 1859 obs) S. Water Toxics - NH3=S
2-LSL000.04	VAT-G11L_LSL01G06	L	JL42	0	85	S	11	85	IM	0	85	S	0	13	S						0	S												0	2		Lone Star Lake G pooled nutrient data: Chla (0 viol / 2 obs) S 2008,2011 . Lone Star Lake G pooled DO and pH data: DO (11 viol / 85 obs) IM; pH (0 viol / 85 obs) S . Water Toxics - NH3=S
2-LSL000.16	VAT-G11L_LSL01F06	L	JL42	0	76	S	1	53	S	0	76	S	0	14	S						0	S										0	2	S	0	2		Lone Star Lake F pooled nutrient data: TP & Chla (0 viol / 2 obs) S 2008, 2011 algaecide app. Lone Star Lake F pooled DO and pH data: DO (1 viol / 53 obs) S; pH (0 viol / 76 obs) S. Water Toxics - NH3=S
2-LSL000.20	VAT-G11L_LSL01I06	L	JL42	0	76	S	4	55	S	3	76	S	0	13	S						0	S										1	2	IN				Lone Star Lake I pooled nutrient data: TP & Chla (1 viol /2 obs) 2008, 2011 algaecide app (maintain IM in 2014). Lone Star Lake I pooled DO and pH data: DO (4 viol / 55 obs)S; pH (3 viol /76 obs) S . Water Toxics - NH3=S
2-LTL001.20	VAP-G08L_LTL01A06	L	JL28	0	193	S	2	124	S	0	193	S	0	14	S						0	S													0	2	S	PWS;previously assessed by TRO (Little Creek Reservoir); Pooled DO=1/230(S) pH=0/576(S) no new data since 2012 cycle
2-LTL001.60	VAP-G08L_LTL01A06	L	JL28	0	209	S	0	117	S	0	209	S	0	14	S						0	S													0	2	S	PWS;previously assessed by TRO (Little Creek Reservoir); Pooled DO=1/230(S) pH=0/576(S); no new data since 2012 cycle
2-LTL002.46	VAP-G08L_LTL01A06	L	JL28	0	174	S	0	102	S	0	174	S	0	13	S						0	S													0	2	S	PWS;previously assessed by TRO (Little Creek Reservoir); Pooled DO=1/230(S) pH=0/576(S); no new data since 2012 cycle
2-MCR002.38	VAP-G08R_MCR01A04	A	JL27	0	12	S	3	12	IM	1	12	S	2	12	IM																							No new data since 2012 cycle
2-MDT000.10	VAP-G05R_MDT01A02	TM	JL16	0	2	S	1	2	IN	0	2	S									0	IN																
2-MDT001.72	VAP-G05R_MDT01A02	TM	JL16	0	1	W	0	1	W	0	1	W									0	IN																
2-MIC000.03	VAT-G10E_MIC01A00	A,TM,TR	JL33					34	IM	0	34	S				17	34	IM																				JMSOH
2MIC-COLOMC1-NPSN	VAT-G10E_MIC01A00	NONA	JL33					30	IM																													JMSOH, National Park Service Northeast Coastal & Barrier Network
2MIC-COLOMC2-NPSN	VAT-G10E_MIC01A00	NONA	JL33					6	IM																													JMSOH, National Park Service Northeast Coastal & Barrier Network
2MIC-MCLP01-JCCS	VAT-G10R_ZZZ01A00	NONA	JL33										3	12	IN/O																							James City County Stormwater Division
2MIC-MCMS02-JCCS	VAT-G10R_ZZZ01A00	NONA	JL33										9	27	IN/O																							James City County Stormwater Division
2MIC-MCPW01-JCCS	VAT-G10E_MIC01A00	NONA	JL33											12	NA																							James City County Stormwater Division
2MIC-MCUT03-JCCS	VAT-G10R_ZZZ01A00	NONA	JL33										7	12	IN/O																							James City County Stormwater Division
2-MIG000.67	VAT-G15E_MIG01A10	C	JL58																								2	O	3	IM								08-IM FTox PCBs-08 Bluefish, Gizzard Shad & Croaker; OE, FT_Met-As,Pb Blue Crab & Oyster
2-MIG001.49	VAT-G15E_MIG01A10	C	JL58																								0	S	2	IM								08-IM FTox PCBs-08 Mummichog & Gizzard
2-MIG002.32	VAT-G15E_MIG01A10	C	JL58																								0	S	4	IM								08-IM FTox PCBs-08 Bluefish, Mummichog, Gizzard Shad & Croaker
2-MOC002.50	VAP-G08E_MOC01A02	PFWQ	JL29		1	NA		1		0	1	W																										No data since 2010 cycle
2-MOC005.97	VAP-G08E_MOC01A02	A,TM	JL29		15	NA		15		8	15	IM				3	11	IM			0	S																previously mistakenly called riverine; no data since 2010 cycle; near tidal limit
2-MOC006.67	VAP-G08R_MOC01A98	TM	JL29	0	1	W	1	1	W	0	1	W																										Class VII water - no data since 2010 cycle
2-MOC010.97	VAP-G08R_MOC01A98	TM	JL29	0	6	S	3	6	IM	0	6	S									0	S																Class VII water - no data since 2010 cycle
2-MOC-CR8-ALL	VAP-G08E_MOC01A02	CMON	JL29		9	NA		9		0	9	IN																										ACB - level 3 temp and DO; level 2 pH - no data since 2010 cycle
2-NAN001.73	VAT-G13E_NAN04A00	A,B,C2	JL49					3	IM	0	3	IN				0	1	IN			0	S									J							07 C2 Benthic ProbMon, WTOX=NH3, JMSMH
2-NAN005.96	VAT-G13E_NAN04B10	A,B,C2	JL49					2	IM	0	2	IN				0	1	IN			0	S									J							07 C2 Benthic ProbMon, WTOX=NH3, JMSMH
2-NAN019.14	VAT-G13E_NAN01A00	A,TR	JL48					35	IM	0	36	S				27	36	IM																				JMSMH
2NAN-NR1-NRPA	VAT-G13E_NAN04A00	CMON	JL49					12	IM					12	NA																							JMSMH, Alliance for the Chesapeake Bay
2NAN-NR2-NRPA	VAT-G13E_NAN04A00	CMON	JL49					12	IM					12	NA																							JMSMH, Alliance for the Chesapeake Bay
2NAN-NR3-NRPA	VAT-G13E_NAN04B10	CMON	JL49					12	IM					12	NA																							JMSMH, Alliance for the Chesapeake Bay
2NAN-NR4-NRPA	VAT-G13E_NAN03A06	CMON	JL49					12	IM					12	NA																							JMSMH, Alliance for the Chesapeake Bay
2NAN-NR5-NRPA	VAT-G13E_NAN03A06	CMON	JL49					12	IM					12	NA																							JMSMH, Alliance for the Chesapeake Bay
2NAN-NR6-NRPA	VAT-G13E_NAN02A06	CMON	JL48					12	IM					12	NA																							JMSMH, Alliance for the Chesapeake Bay
2NAN-NR7-NRPA	VAT-G13E_NAN01A00	CMON	JL48					12	IM					12	NA																							JMSMH, Alliance for the Chesapeake Bay
2NAN-SNR000.20-SUF	VAT-G13E_NAN04A00	NONA	JL49							0	8	S				1	21	S																				City of Suffolk
2NAN-SNR001.48-SUF	VAT-G13E_NAN04A00	NONA	JL49							0	8	S				0	21	S																				City of Suffolk
2NAN-SNR0011.83-SUF	VAT-G13E_NAN03A06	NONA	JL49							0	21	S				11	22	IM																				City of Suffolk
2NAN-SNR0013.50-SUF	VAT-G13E_NAN02A06	NONA	JL48							0	21	S				14	22	IM																				City of Suffolk

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Lower)																																					
2NAN-SNR0015.58-SUF	VAT-G13E_NAN01A00	NONA	JL48							0	21	S				14	22	IM																			City of Suffolk
2NAN-SNR0018.24-SUF	VAT-G13E_NAN01A00	NONA	JL48							0	19	S				14	20	IM																			City of Suffolk
2NAN-SNR0018.82-SUF	VAT-G13E_NAN01A00	NONA	JL48							0	21	S				11	23	IM																			City of Suffolk
2NAN-SNR0019.27-SUF	VAT-G13E_NAN01A00	NONA	JL48							0	18	S				9	18	IM																			City of Suffolk
2NAN-SNR0019.46-SUF	VAT-G13E_NAN01A00	NONA	JL48							0	17	S				8	17	IM																			City of Suffolk
2NAN-SNR002.86-SUF	VAT-G13E_NAN04A00	NONA	JL49							0	8	S				0	21	S																			City of Suffolk
2NAN-SNR007.88-SUF	VAT-G13E_NAN03A06	NONA	JL49							0	8	S				3	21	IM																			City of Suffolk
2NAN-SNR008.82-SUF	VAT-G13E_NAN03A06	NONA	JL49							0	8	S				3	21	IM																			City of Suffolk
2-NTR000.23	VAP-G05R_NTR01A00	FPM,B	JL18	0	2	S	0	2	S	0	2	S	1	1	W				0	IN	0	S	0	S							IM							2011 sed; 2011 benthics
2NUB-1-IRC	VAT-G14R_ZZZ01B14	CMON	JL47	0	11	S	6	10	IN/O	0	4	IN																										Isle of Wight Ruritan Club
2-NWB002.93	VAT-G14L_NWB02A08	L	JL47	0	150	S	22	130	IM	0	150	S	0	13	S						0	S												2	2	IM	2	2		Western Branch pooled nutrient data: TP & Chla (2 viol / 2 obs) IM 2009, 2012. Western Branch pooled DO and pH data: DO (182 viol / 1271 obs) IM; pH (3 viol /1544 obs) S. Water Toxics - NH3=S
2-NWB004.14	VAT-G14L_NWB02A08	L	JL47	0	37	S	3	27	IM	0	37	S	0	7	S						0	S																	Western Branch pooled DO and pH data: DO (182 viol / 1271 obs) IM; pH (3 viol /1544 obs) S. Water Toxics - NH3=S
2-NWB004.67	VAT-G14L_NWB02A08	L	JL47	0	107	S	7	89	IM	1	107	S	0	13	S						0	S												2	2	IM	2	2		Western Branch pooled nutrient data: TP & Chla (2 viol / 2 obs) IM 2009, 2012. Western Branch pooled DO and pH data: DO (182 viol / 1271 obs) IM; pH (3 viol /1554 obs) S. Water Toxics - NH3=S
2-NWB006.06	VAT-G14L_NWB02A08	L	JL47	0	128	S	15	86	IM	0	128	S	0	13	S						0	S												2	2	IM	2	2		Western Branch pooled nutrient data: TP & Chla (2 viol / 2 obs) IM 2009, 2012. Western Branch pooled DO and pH data: DO (182 viol / 1271 obs) IM; pH (3 viol /1544 obs) S. Water Toxics - NH3=S
2-NWB006.56	VAT-G14L_LPR01A06	L	JL46	0	53	S	9	33	IM	1	53	S	0	7	S						0	S																	Lake Prince pooled DO and pH data: DO (253 viol / 1566 obs) IM; pH (2 viol / 1859 obs) S. Water Toxics - NH3=S
2-NWB007.04	VAT-G14L_NWB01A08	L	JL47	0	60	S	4	21	IM	0	60	S	0	6	S						0	S															0	1		Lake Burnt Mills pooled nutrient data: Chla (0 viol / 1 obs) IN 2010. Lake Burnt Mills pooled DO and pH data: DO (45 viol / 255 obs) IM; pH (55 viol / 644 obs) S. Water Toxics - NH3=S
2-NWB009.48	VAT-G14L_NWB01A08	L	JL47	0	12	S	1	3	IM	0	12	S	0	2	S						0	S																	Lake Burnt Mills pooled DO and pH data: DO (45 viol / 255 obs) IM; pH (55 viol / 644 obs) S. Water Toxics - NH3=S
2-NWB010.54	VAT-G14L_NWB01A08	L	JL47	0	9	S	1	4	IM	0	9	S	0	2	S						0	S																	Lake Burnt Mills pooled DO and pH data: DO (45 viol / 255 obs) IM; pH (55 viol / 644 obs) S. Water Toxics - NH3=S
2-PAR000.12	VAT-G15E_PAR02A10	A,TR,CR	JL53					67	IM	0	67	S				19	64	IM			0	S																	WTOX=NH3, SBEMH
2-PAR000.77	VAT-G15E_PAR01A06	A,C,TR,CR	JL53					60	IM	0	60	S				27	58	IM			0	S							2	IM									12-IM FTox PCBs - 12 Mummichog, Gizzard Shad, WTOX=NH3, SBEMH
2-PAR001.77	VAT-G15E_PAR01A06	A,C,TR,CR	JL53					34	IM	0	34	S				34	34	IM			0	S							1	O									12-IM FTox PCBs - 12 Gizzard Shad, WTOX=NH3, SBEMH
2-PCT002.46	VAP-G01R_PCT01A06	A,B,SS	JL03	0	49	S	0	49	S	4	49	S	4	24	IM						0	S									IM							2007, 2008 and 2011 benthics; 2009 PCB Study - 1 H20 sample - ok
2-PEL000.77	VAP-G07R_PEL01B10	TM	JL23	0	12	S	7	12	IM	1	12	S																											station at upstream side of large beaver dam; no new data since 2012 cycle
2-PEL001.92	VAP-G07R_PEL01A10	TM	JL23	0	12	S	0	12	S	0	12	S																											No new data since 2012 cycle
2-PGN000.00	VAT-G11E_PGN03A10	A,TR	JL41					15	IM	0	15	S				0	15	S																					JMSMH
2-PGN000.80	VAT-G11E_PGN02C14	A,TR	JL41					15	IM	0	15	S				0	15	S																					JMSMH
2-PGN001.19	VAT-G11E_PGN02B14	A,TR	JL41					31	IM	0	31	S				4	31	IM																					JMSMH
2-PGN002.58	VAT-G11E_PGN02A08	A,TR	JL41					14	IM	0	14	S				1	14	S																					JMSMH
2-PGN003.57	VAT-G11E_PGN02A08	A,TR	JL41					31	IM	0	31	S				3	31	S																					JMSMH
2-PGN004.57	VAT-G11E_PGN01A08	A,TR	JL39					31	IM	0	31	S				4	30	IM																					JMSMH
2-PGN005.46	VAT-G11E_PGN01A08	A,TR	JL39					31	IM	0	31	S				7	31	IM																					JMSMH
2-PGN006.65	VAT-G11E_PGN01A08	A,TR	JL39					31	IM	0	31	S				5	31	IM																					JMSMH
2-PGN007.44	VAT-G11E_PGN01A08	A,TR	JL39					15	IM	0	15	S				3	15	IM																					JMSMH
2-PGN008.42	VAT-G11E_PGN01A08	A,TR	JL39					31	IM	0	31	S				12	31	IM																					JMSMH
2-PGN010.07	VAT-G11R_PGN01A04	A,TR	JL39	0	36	S	0	35	S	0	36	S	10	36	IM						0	S																	WTOX=NH3
2PGN-32-ALL	VAT-G11E_PGN01A08	CMON	JL39					100	IM	0	100	S																											Alliance for the Chesapeake Bay, JMSMH
2PGN-GP1-ALL	VAT-G11E_PGN02B14	CMON	JL41					8	IM	0	8	S																											Alliance for the Chesapeake Bay, JMSMH
2-PKC001.84	VAT-G12L_LKK01A06	L	JL44	0	77	S	10	32	IM	8	77	S	0	14	S						0	S												2	2	IM	0	2	IM	Lake Kilby pooled nutrient data: TP (2 viol / 2 obs) IM 2009, 2012 (algaecide application). Lake Kilby pooled DO and pH data: DO (10 viol / 32 obs) IM; pH (8 viol / 77 obs) S . Water Toxics - NH3=S
2-POW000.60	VAT-G10E_POW01A02	A,TR	JL31					33	S	0	33	S				18	33	IM																					JMSOH
2POW-COLOPC2-NPSN	VAT-G10E_POW01A02	NONA	JL31					24	IM																														JMSOH, National Park Service Northeast Coastal & Barrier Network
2POW-COLOPC3-NPSN	VAT-G10E_POW01A02	NONA	JL31					4	IM																														JMSOH, National Park Service Northeast Coastal & Barrier Network
2POW-COLOPC4-NPSN	VAT-G10E_POW01A02	NONA	JL31					2	IM																														JMSOH, National Park Service Northeast Coastal & Barrier Network
2POW-COLOPC5-NPSN	VAT-G10E_POW01A02	NONA	JL31					2	IM																														JMSOH, National Park Service Northeast Coastal & Barrier Network
2POW-PCCR02-JCCS	VAT-G10R_POW01A00	NONA	JL31										4	11	IN/O																								James City County Stormwater Division
2POW-PCJR01-JCCS	VAT-G10E_POW01A02	NONA	JL31											12	NA																								James City County Stormwater Division
2POW-PCLF01-JCCS	VAT-G10E_POW01A02	NONA	JL31											10	NA																								James City County Stormwater Division

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Lower)																																					
2POW-PCMB01-JCCS	VAT-G10R_POW01A00	NONA	JL31										1	12	IN																						James City County Stormwater Division
2POW-PCMS05-JCCS	VAT-G10R_POW01A00	NONA	JL31										0	10	IN																						James City County Stormwater Division
2POW-PCPW01-JCCS	VAT-G10E_POW01A02	NONA	JL31											12	NA																						James City County Stormwater Division
2-PSK-20-CWT	VAP-G01R_PSK01A04	CMON	JL02	0	21	IN	0	21	IN	0	19	IN																									previously 2-PSK-20-FOCR - Chesterfield WaterTrends - level 2
2PSM-COLOPC1-NPSN	VAT-G10E_MIC01A00	NONA	JL33					9	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2-PTH000.23	VAP-G03E_PTH01A00	C	JL07																										1	IM							2012 FT - PCBs 2 sp (green sunfish, pumpkinseed sunfish)
2-PTH000.42	VAP-G03R_PTH01A10	SS	JL07	0	2	S	0	2	S	0	2	S										1	IM														2009 PCB Study - 2 samples > both HH & ALUS; no new data since 2012 cycle
2-PWH002.12	VAP-G06R_PWH01A02	A,TM	JL19	0	12	S	2	12	IM	0	12	S																									
2-PWL005.73	VAP-G03R_PWL01A04	A,B	JL08	0	14	S	0	13	S	0	14	S	1	11	S							0	S									FS						No data since 2010 cycle; 2007 benthics
2-RDK000.77	VAP-G01R_RDK01A12	A	JL03	0	11	S	0	11	S	1	11	S	4	11	IM																						No new data since 2012 cycle
2-RDW000.50	VAP-G01R_RDW01A06	A,SS	JL03	0	13	S	3	13	IM	1	13	S	0	12	S							0	S														2009 PCB Study - 1 H20 sample - ok; no new data since 2012 cycle
2RIC-RIC-ALL	VAT-G11E_RIC01A06	CMON	JL43					108	IM	0	111	IN																									Alliance for the Chesapeake Bay, JMSMH
2-ROT001.15	VAP-G02R_ROT02A00	A,TM	JL06	0	12	S	0	12	S	0	12	S										0	S														
2-ROT003.15	VAP-G02R_ROT01A00	A,TM	JL06	0	12	S	3	12	IM	2	12	IM																									
2-RTY000.54	VAP-G05R_ZZZ01A14	TM	JL16	0	1	W	0	1	W	0	1	W																									
2-RUM002.46	VAP-G07R_RUM01B14	A,TM	JL23	0	30	S	18	30	IM	6	30	IM	0	12	S							0	S														No NH3 data since 2012 cycle
2-RUM004.38	VAP-G07R_RUM01A98	TM	JL23	0	18	S	8	18	IM	4	18	IM										0	S														No new data since 2012 cycle
2-RUM005.54	VAP-G07R_RUM01A98	TM	JL23	0	12	S	3	12	IM	9	12	IM																									No new data since 2012 cycle
2SAN-COLOBR1-NPSN	VAT-G10E_POW01A02	NONA	JL33					13	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2SAN-COLOSB1-NPSN	VAT-G10E_POW01A02	NONA	JL33					2	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2SAN-COLOSB2-NPSN	VAT-G10E_POW01A02	NONA	JL33					4	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2-SBE001.53	VAT-G15E_SBE03A06	A,TR	JL53													6	35	IM																			
2-SBE001.98	VAT-G15E_SBE02A06	A	JL53					409	IM	0	421	S				3	35	S				0	S														WTOX=NH3, SBEMH
2-SBE006.00	VAT-G15E_SBE02A06	C	JL53																										3	IM							12-IM FTox PCBs - 12 Croaker, Gizzard Shad, Mummichog, SBEMH
2-SBE006.26	VAT-G15E_SBE02A06	A	JL53					155	IM	0	160	S				3	34	S				0	S			0	S										12-SedTox PCBs, WTOX=NH3, SBEMH
2-SBE006.27	VAT-G15E_SBE02A06	A,TM,SS	JL53																							0	S										12-SedTox PCBs, SBEMH
2-SGL001.00	VAT-G13E_SGL01A00	A,TR	JL48					35	IM	5	36	IM				28	36	IM																			
2-SKC001.17	VAP-G04L_SKC01A08	A,SS	JL15	0	12	S	3	10	IM	0	12	S	0	12	S							0	S														reservoir; no data since 2010 cycle
2-SMN001.42	VAP-G07R_SMN01A00	A	JL23	0	12	S	3	12	IM	4	12	IM	3	12	IM																						No new data since 2012 cycle
2-SMN002.19	VAP-G07R_SMN01A00	B	JL23	0	1	W	0	1	W	0	1	W																			IN						2010 benthics; no new data since 2012 cycle
2-SNF000.04	VAP-G05R_SNF01A02	A,TM	JL17	0	24	S	2	24	S	2	24	S	5	23	IM							0	S														No new data since 2012 cycle
2-SNF000.23	VAP-G05R_SNF02A12	TM	JL17	0	12	S	1	12	S	0	12	S	3	12	IM																						No new data since 2012 cycle
2-SNF000.87	VAP-G05R_SNF02A12	TM	JL17	0	12	S	0	12	S	2	12	IM	1	12	S																						No new data since 2012 cycle
2-SNF001.27	VAP-G05R_SNF02A12	TM	JL17	0	12	S	0	12	S	3	12	IM	3	12	IM																						No new data since 2012 cycle
2-SNF001.58	VAP-G05R_SNF02A12	TM	JL17	0	12	S	1	12	S	3	12	IM	5	11	IM																						No new data since 2012 cycle
2-SNF003.70	VAP-G05R_SNF02A12	TM	JL17	0	12	S	3	12	IM	4	12	IM	3	12	IM																						No new data since 2012 cycle
2-SNF005.59	VAP-G05R_SNF02A12	TM	JL17	0	10	S	1	10	S	4	10	IM	6	10	IM																						No new data since 2012 cycle
2-SNF006.44	VAP-G05R_SNF02A12	TM	JL17	0	10	S	1	10	S	5	10	IM	1	10	S																						No new data since 2012 cycle
2-SPE000.17	VAT-G12L_SPE01A06	L	JL44	0	70	S	12	46	IM	1	70	S	0	20	S							0	S												2	3		Speights Run pooled nutrient data: Chla (2 viol / 3 obs) IM 2008, 2009, 2012. Speights Run pooled DO and pH data: DO (21 viol / 88 obs) IM; pH (1 viol /137 obs) S. Water Toxics - NH3=S
2-SPE001.18	VAT-G12L_SPE01A06	L	JL44	0	67	S	9	42	IM	0	67	S	0	20	S							0	S														Speights Run pooled DO and pH data: DO (21 viol / 88 obs) IM; pH (1 viol /137 obs) S. Water Toxics - NH3=S
2-STM000.08	VAT-G15E_STM01A10	A,B,C2	JL54					2	IM	0	2	IN				0	1	IN				0	S								IM						07 C2 Benthic ProbMon, EBEMH
2TFR-COLOTT10-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					7	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT11-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					6	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT12-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					3	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT13-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					4	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT14-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					2	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT15-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					2	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT16-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					3	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT18-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					3	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT19-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					3	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Lower)																																					
2TFR-COLOTT1-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					18	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT20-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					3	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT21-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					3	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT22-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					3	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT23-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					6	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT24-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					2	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT2-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					19	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT3-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					23	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT4-NPSN	VAT-G10E_JMS01A06	NONA	JL33					3	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT5-NPSN	VAT-G10E_JMS01A06	NONA	JL33					3	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT6-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					3	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT7-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					3	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT8-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					3	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2TFR-COLOTT9-NPSN	VAT-G10E_ZZZ01A00	NONA	JL33					3	IM																												JMSOH, National Park Service Northeast Coastal & Barrier Network
2-TIC002.69	VAP-G02R_TIC01A00	A	JL05	0	12	S	1	12	S	0	12	S	2	12	IM																						PWS
2TTS-TC1-ALL	VAT-G11E_ZZZ01A00	CMON	JL41					48	IM	0	48	IN																										JMSMH, Alliance for the Chesapeake Bay
2-UPM000.26	VAP-G05R_UPM01A02	TM	JL18	0	12	S	0	12	S	0	12	S																										
2-UPM001.35	VAP-G05R_UPM01A02	A	JL18	0	12	S	0	12	S	0	12	S	4	12	IM																							
2-UPM003.53	VAP-G05R_UPM01A02	TM	JL18	0	12	S	0	12	S	1	12	S																										No data since 2010 cycle
2-UPM-2-VMN	VAP-G05R_UPM01A02	CMON	JL18	0	4	IN	1	4	IN	1	4	IN	3	3	IN/O																						VMN - level 2; no new data since 2012 cycle
2-UPM-4-VMN	VAP-G05R_UPM01A02	CMON	JL18	0	8	IN	1	8	IN	3	8	IN/O	4	6	IN/O																						VMN - level 2
2-UPM-5-VMN	VAP-G05R_UPM01A02	CMON	JL18	0	4	IN	0	5	IN	0	4	IN	4	5	IN/O																						VMN - level 2; no new data since 2012 cycle
2-UPM-6-VMN	VAP-G05R_UPM01A02	CMON	JL18	0	4	IN	0	5	IN	0	4	IN	4	5	IN/O																						VMN - level 2; no new data since 2012 cycle
2-WAS002.69	VAP-G09R_WAS01A00	TM	JL26	0	12	S	6	12	IM	0	12	S																										
2-WBE002.11	VAT-G15E_WBE02A00	A,C	JL55					121	IM	0	121	S				1	35	S			0	S			0	S			2	IM								12-IM FTox PCBs - 12 Gizzard Shad, Mummichog, 12-SedTox -PCBs, WTOX=NH3, WBEMH
2-WBE002.12	VAT-G15E_WBE02A00	A,TM,SS	JL55																						0	S											12-SedTox PCBs, WBEMH
2-WBE004.44	VAT-G15E_WBE01A02	A,CB,TR	JL55					274	IM	0	266	S				5	70	S			0	S																WTOX=NH3, WBEMH
2WBN-SWB000.30-SUF	VAT-G13E_WBN01A06	NONA	JL48							0	21	S				11	21	IM																				City of Suffolk
2-WER000.02	VAP-G03L_WER04A06	L,A	JL09	0	68	S	9	55	IM	30	68	IM	0	14	S						0	S																previously called 2-WER002.06.
2-WER001.93	VAP-G03R_WER03A00	A	JL09	0	11	S	0	11	S	6	11	IM	2	12	IM						0	S																No data since 2010 cycle
2-WLR000.42	VAP-G03R_WLR01A06	A	JL08	0	12	S	0	12	S	0	11	S	4	11	IM																							No new data since 2012 cycle
2-WOS002.69	VAP-G06R_WOS01A98	A,TM	JL21	0	27	S	0	27	S	0	27	S	3	12	IM						0	S																Class VII water; no E. coli data since 2010 cycle
2-WRD005.40	VAP-G04R_WRD01A00	A,B,TR	JL12	0	38	S	0	37	S	1	37	S	5	36	IM																			FS				2009 benthics
2-WSN-MH1-RNBP	VAP-G02R_WSN01A00	NONA	JL05																																		NPS benthic station - no data since 2010 cycle
2-WSN-RICH-07-NPS	VAP-G02R_WSN01A00	NONA	JL05	0	30	S	2	30	S	0	30	S																										NPS - level 3
2-WWK003.98	VAT-G11E_WWK02A08	A,TR	JL38					36	IM	0	36	S				6	36	IM																				JMSMH
2-X**-31-CWT	VAP-G01R_ZZZ01B14	CMON	JL02	0	1	W	0	1	W	0	1	W																										Chesterfield Water Trends - level II
2-XAQ-2-CWT	VAP-G01R_XAQ01A10	CMON	JL02	0	132	IN	9	131	IN	0	145	IN																										previously 2FAC-FOCRRNC-ALL; Chesterfield Water Trends - level II
2-XAR-CR5-ACB	VAP-G05R_XAR03A06	CMON	JL18	0	19	S	0	19	S	1	19	S	7	19	IN/O																							ACB - level 3 temp, DO, and pH - level 2 E. coli
2-XBZ-22-CWT	VAP-G01R_XBZ01A14	CMON	JL02	0	10	IN	0	8	IN	0	10	IN																										Chesterfield Water Trends - level II
2-XDA-3-CWT	VAP-G01R_XDA01A12	CMON	JL02	0	51	IN	3	51	IN	0	51	IN	0	10	IN																							previously 2-XDA-3-FOCR - Chesterfield Water Trends - level 2
2-XDD000.01	VAP-G05R_XDD01A98	TM	JL16	0	1	W	1	1	W	1	1	W																										
2-XDD000.32	VAP-G05R_XDD01A98	B,TM	JL16	1	65	S	0	65	S	26	65	IM									1	O													IM				3 chronic ammonia exceedances; elevated pH; 2007 benthics
2-XDD000.40	VAP-G05R_XDD01A98	TM	JL16	2	64	S	0	63	S	31	64	IM									1	O																2 chronic ammonia exceedances; high pH and DO
2-XDD000.84	VAP-G05R_XDD01A98	B,TM	JL16	0	70	S	1	70	S	1	70	S									1	O													IM				2 chronic ammonia exceedances; 2007-2008, 2010 benthics
2-XDD000.91	VAP-G05R_XDD01A98	TM	JL16	0	61	S	3	61	S	0	61	S									1	O																3 chronic ammonia exceedances
2-XDD001.23	VAP-G05R_XDD02A06	TM	JL16	0	38	S	14	38	IM	29	38	IM									0	S																low pH
2-XDM-CB1-RNBP	VAP-G06R_XDM01A04	NONA	JL19																																		NPS benthic station - no data since 2010 cycle
2-XDM-RICH-02-NPS	VAP-G06R_XDM01A04	NONA	JL19	0	30	S	0	30	S	0	30	S																										NPS - level 3
2-XHC000.12	VAP-G10R_XHC01A08	A,SS	JL32	0	17	S	4	17	IM	1	16	S	3	11	IM																							No new data since 2012 cycle
2-XJK000.23	VAT-G15E_LAF01A06	A	JL56					7	IM	0	7	S				3	14	IM																				LAFMH
2-XJK000.78	VAT-G15E_LAF01A06	A	JL56					7	IM	0	7	S				5	13	IM																				LAFMH

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Lower)																																					
2-XOI000.65	VAP-G05R_SNF02A12	TM	JL17	0	12	S	3	12	IM	3	12	IM	2	12	IM																						No new data since 2012 cycle
2XOY-MCMS05-JCCS	VAT-G10R_ZZZ01A00	NONA	JL31										9	12	IN/O																						James City County Stormwater Division
2-XPF-DB1-RNBP	VAP-G01R_XBD01B04	NONA	JL03																																		NPS benthic station - no data since 2010 cycle
2-XPF-DB2-RNBP	VAP-G01R_XBD01B04	NONA	JL03																																		NPS benthic station - no data since 2010 cycle
2-XPF-RICH-08-NPS	VAP-G01R_XBD01B04	NONA	JL03	0	11	S	0	11	S	0	11	S																									NPS - level 3
2-XQW-FOCRLAG-FOCR	VAP-G02E_XQW01A08	CMON	JL06		1	NA							0	1	W																						FOCR - level 2 - no data since 2010 cycle
2-XSZ001.58	VAP-G01R_XSZ01A04	TM	JL03	0	13	S	0	13	S	0	13	S	5	11	IM																						
2-XSZ002.04	VAP-G01R_XSZ01A04	SS	JL03	0	1	W	0	1	W	0	1	W									1	IN/O															2009 PCB Study - 1 H20 sample - >HH
2-XVO000.10	VAP-G01R_XVO01A08	SS	JL01	0	2	S	0	2	S	2	2	IM																									IR station; no new data since 2012 cycle
2-XVO000.16	VAP-G01R_XVO01A08	SS	JL01	0	2	S	0	2	S	0	2	S																									IR station; no new data since 2012 cycle
2-XVP000.04	VAP-G01R_XVP01A08	SS	JL01	0	2	S	0	2	S	0	2	S							4	IM																	2008 and 2009 -Acute Cu & Zn, chronic Cd & Ni (OE); no new data since 2012 cycle - prev pH impairment
2-XWS000.85	VAP-G07R_XWS01A10	TM	JL23	0	18	S	3	18	IM	4	18	IM									0	S															Tannic, comments of black water, murky water, upstream filamentous algae; no new data since 2012 cycle
2-XXQ-3-VMN	VAP-G05R_ZZZ01B02	CMON	JL18	0	5	IN	0	4	IN	0	5	IN	0	3	IN																						VMN - level 2
2-XYO000.03	VAP-G03R_XYO01A06	SS	JL07	0	2	S	1	2	IN	1	2	IN									1	IM															2009 PCB Study - 2 samples both >HH
2-XYS000.15	VAP-G01R_XYS01A12	SS	JL01	0	1	W	1	1	W	0	1	W									1	IN/O															2009 PCB Study - 1 H20 sample - >HH
2-XZK000.06	VAT-G10R_XZK01A10	A,CR	JL33	0	12	S	0	12	S	0	12	S	11	12	IM						0	S															WTOX=NH3
2-XZS000.38	VAP-G06R_XZS01A10	FPM,B	JL21	0	2	S	2	2	IM	0	2	S	0	1	W				0	IN	0	IN	0	S								IN					2008 Probmon; Class VII water; no data since 2010 cycle
2-XZW000.46	VAP-G03R_GUN01A00	TM	JL10	0	1	W	0	1	W	0	1	W									0	IN															Class VII water - no data since 2010 cycle
2-XZW001.34	VAP-G03R_GUN01A00	TM	JL10	0	5	S	2	5	IM	0	5	S									0	S															Class VII water - no data since 2010 cycle
2-XZX000.23	VAP-G03R_GUN01A00	TM	JL10	0	1	W	0	1	W	0	1	W									0	IN															Class VII water - no data since 2010 cycle
2-XZY000.04	VAP-G03R_GUN01A00	TM	JL10	0	1	W	0	1	W	0	1	W									0	IN															Class VII water - no data since 2010 cycle
2-XZY000.39	VAP-G03R_GUN01A00	TM	JL10	0	3	S	2	3	IM	0	3	S									0	S															Class VII water - no data since 2010 cycle
2-XZY000.58	VAP-G03R_GUN01A00	TM	JL10	0	1	W	0	1	W	0	1	W									0	IN															Class VII water - no data since 2010 cycle
2-XZY001.88	VAP-G03R_GUN01A00	TM	JL10	0	2	S	0	2	S	0	2	S									0	S															Class VII water - no data since 2010 cycle
2-YRM004.96	VAP-G08R_YRM01A12	A	JL28	0	12	S	4	12	IM	0	12	S	0	11	S																						No new data since 2012 cycle
BM1	VAT-G14L_NWB01A08	NONA	JL47	3	439	S	19	167	IM	29	390	S																										Lake Burnt Mills pooled DO and pH data: DO (45 viol / 255 obs) IM; pH (55 viol / 644 obs) S.
BM2	VAT-G14L_NWB01A08	NONA	JL47	1	173	S	15	52	IM	23	173	S																										Lake Burnt Mills pooled DO and pH data: DO (45 viol / 255 obs) IM; pH (55 viol / 644 obs) S.
CHK001.47	VAP-G08E_CHK02A00	NONA	JL29		84	NA		84		0	84	S									0	S															VIMS Dataflow - no data since 2010 cycle
CHK006.14	VAP-G08E_CHK02A00	NONA	JL29		59	NA		59		0	59	S																									VIMS Dataflow - no data since 2010 cycle
CHK008.30	VAP-G08E_CHK02A00	NONA	JL28		99	NA		99		0	99	S									0	S															VIMS Dataflow - no data since 2010 cycle
CHK015.12	VAP-G08E_CHK02A00	NONA	JL28		361	NA		361		0	361	S									0	S															VIMS ConMon station - no data since 2010 cycle
CHK023.96	VAP-G08E_CHK01A00	NONA	JL25		189	NA		189		5	189	S									0	S															VIMS Dataflow; high pH - no data since 2010 cycle
EBE1	VAT-G15E_EBE02A06	CB	JL54					191	IM	0	257	S									0	S															EBEMH, ODU STATION
ELI2	VAT-G15E_ELI02A06	CB	JL56					315	IM	0	433	S																										ELIPH, ODU
ER1	VAT-G15E_LAF01A06	NONA	JL56					83	IM	0	111	S																										LAFMH, Collected by HRSD under contract to DEQ
ER10	VAT-G15E_ELI03A08	CB	JL59					80	IM	0	105	S																										ELIPH, Collected by HRSD under contract to DEQ
ER12	VAT-G15E_ELI02A06	NONA	JL56					81	IM	0	107	S																										ELIPH, Collected by HRSD under contract to DEQ
ER39	VAT-G15E_ELI02A06	NONA	JL56					76	IM	0	101	S																										ELIPH, Collected by HRSD under contract to DEQ
ER6	VAT-G15E_LAF02A06	NONA	JL56					164	IM	0	212	S																										LAFMH, Collected by HRSD under contract to DEQ
ERAC	VAT-G15E_LAF01A06	NONA	JL56							0	5	S																										LAFMH, Collected by HRSD under contract to DEQ
ERNYCC	VAT-G15E_LAF01A06	NONA	JL56							0	10	S																										LAFMH, Collected by HRSD under contract to DEQ
FC-01L-01	VAP-G01L_FAC01A98	CMON	JL02	0	16	IN	0	16	IN	0	16	IN																										Chesterfield Water Trends Level II data
FC-01L-02	VAP-G01L_FAC01A98	CMON	JL02	0	16	IN	0	15	IN	0	17	IN																										Chesterfield Water Trends Level II data
FC-01L-03	VAP-G01L_FAC01A98	CMON	JL02	0	16	IN	0	17	IN	0	15	IN																										Chesterfield Water Trends Level II data
FC-01L-04	VAP-G01L_FAC01A98	CMON	JL02	0	12	IN	0	12	IN	0	12	IN																										Chesterfield Water Trends Level II data
FC-01L-05	VAP-G01L_FAC01A98	CMON	JL02	0	20	IN	0	20	IN	0	20	IN																										Chesterfield Water Trends Level II data
FC-01L-06	VAP-G01L_FAC01A98	CMON	JL02	0	7	IN	0	7	IN	0	7	IN																										Chesterfield Water Trends Level II data
HAVENCR	VAT-G15E_LAF01A06	SS	JL56					1	IM	0	1	IN				5	9	IM																				LAFMH
JMS002.55	VAT-G15E_JMS01A00	A	JL58					175	IM	0	517	S																										JMSPH, VIMS
JMS017.96	VAT-G11E_JMS03A06	CB	JL43					121	IM	0	121	S																										JMSMH, VIMS
JMS018.23	VAT-G11E_JMS03A06	A	JL43					189	IM	0	405	S																										JMSMH, VIMS
JMS032.59	VAT-G11E_JMS01D14	A	JL35					137	IM	0	137	S																										JMSOH, VIMS
JMS042.92	VAT-G10E_JMS01A06	A	JL33					135	IM	0	135	S																										JMSOH, VIMS
JMS043.78	VAP-G04E_JMS02A02	NONA	JL30		209	NA		209		22	426	S									0	S															VIMS ConMon; high pH - plus 9/209 instantaneous pH (no data since 2010 cycle)
JMS048.03	VAP-G04E_JMS02A02	NONA	JL30		152	NA		152		0	152	S									0	S															VIMS - no data since 2010 cycle
JMS050.74	VAP-G04E_JMS02A02	NONA	JL30		108	NA		108		0	108	S									0	S															VIMS - no data since 2010 cycle
JMS055.94	VAP-G04E_JMS03A04	NONA	JL13		137	NA		137		0	137	S																										VIMS - no data since 2010 cycle
JMS062.82	VAP-G04E_JMS01A02	NONA	JL13		120	NA		120		0	120	S									0	S															VIMS - no data since 2010 cycle
JMS069.08	VAP-G03E_JMS01B10	NONA	JL11		90	NA		90		0	90	S																										VIMS - no data since 2010 cycle
JMS073.37	VAP-G03E_JMS01A00	NONA	JL07		404	NA		404		94	445	IM									0	S															VIMS ConMon; high pH - plus 9/404 instantaneous pH (no data since 2010 cycle)

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Lower)																																					
JMS075.04	VAP-G03E_JMS01A00	NONA	JL07		133	NA		133		0	133	S																									VIMS - no data since 2010 cycle
JMS082.49	VAP-G02E_JMS02A00	NONA	JL06		111	NA		111		0	111	S									0	S															VIMS Dataflow - no data since 2010 cycle
JMS094.45	VAP-G02E_JMS02A00	NONA	JL06		100	NA		100		0	100	S									0	S															VIMS Dataflow - no data since 2010 cycle
JMS099.00	VAP-G01E_JMS03A02	NONA	JL03		270	NA		270		0	442	S																									VIMS ConMon - plus 0/270 instantaneous pH (no data since 2010 cycle)
JMS104.16	VAP-G01E_JMS03A02	NONA	JL01		118	NA		118		0	118	S																									VIMS - no data since 2010 cycle
JMS109.62	VAP-G01E_JMS01A02	NONA	JL01		84	NA		84		0	84	S									0	S															VIMS - no data since 2010 cycle
JMSMH_16M	VAT-G11E_JMS04A06	NONA	JL59					112	IM	0	136	S																									JMSMH, HRSD
JMSMH_1A_M	VAT-G11E_JMS04A06	NONA	JL43					117	IM	0	143	S																									JMSMH, HRSD
JMSMH_20M	VAT-G11E_JMS01A06	NONA	JL37					112	IM	0	138	S																									JMSMH, HRSD
JMSMH_23M	VAT-G11E_JMS01B08	NONA	JL35					113	IM	0	138	S																									JMSMH, HRSD
JMSMH_8M	VAT-G11E_JMS01A06	NONA	JL37					116	IM	0	137	S																									JMSMH, HRSD
JMSPH_12P	VAT-G15E_JMS01A00	NONA	JL59					117	IM	0	144	S																									JMSPH, HRSD
JMSPH_13P	VAT-G15E_JMS01A00	NONA	JL59					117	IM	0	145	S																									JMSPH, HRSD
JMSPH_21P	VAT-G15E_JMS01A00	NONA	JL59					116	IM	0	143	S																									JMSPH, HRSD
JMSPH_5P	VAT-G15E_JMS05A06	NONA	JL59					121	IM	0	149	S																									JMSPH, HRSD
JMSPH_9P	VAT-G15E_JMS01A00	NONA	JL59					121	IM	0	150	S																									JMSPH, HRSD
LAF001.63	VAT-G15E_LAF02A06	CB	JL56							0	178	S																									VIMS
LAF004.70	VAT-G15E_LAF01A06	CB	JL56							0	185	S																									VIMS
LE5.5-W	VAT-G15E_JMS01A00	CB	JL58					527	IM	0	527	S																									JMSPH, ODU
LP1	VAT-G14L_LPR01A06	NONA	JL46	0	484	S	38	302	IM	0	438	S																									Lake Prince pooled DO and pH data: DO (253 viol / 1566 obs) IM; pH (2 viol / 1859 obs) S.
LP2	VAT-G14L_LPR01A06	NONA	JL46	0	398	S	37	255	IM	0	362	S																									Lake Prince pooled DO and pH data: DO (253 viol / 1566 obs) IM; pH (2 viol / 1859 obs) S.
LP3	VAT-G14L_LPR01A06	NONA	JL46	0	433	S	69	284	IM	0	433	S																									Lake Prince pooled DO and pH data: DO (253 viol / 1566 obs) IM; pH (2 viol / 1859 obs) S.
LP4	VAT-G14L_LPR01A06	NONA	JL46	0	208	S	25	136	IM	0	191	S																									Lake Prince pooled DO and pH data: DO (253 viol / 1566 obs) IM; pH (2 viol / 1859 obs) S.
LP5	VAT-G14L_LPR01A06	NONA	JL46	0	252	S	24	152	IM	0	224	S																									Lake Prince pooled DO and pH data: DO (253 viol / 1566 obs) IM; pH (2 viol / 1859 obs) S.
RET5.1A	VAP-G08E_CHK02A00	NONA	JL29		130	NA		126																										33			45			VECOS
RET5.2	VAP-G04E_JMS02A02	NONA	JL30		116	NA		116																										29			42			VECOS
SBE2	VAT-G15E_SBE03A06	CB	JL53					2	IM																															SBEMH, Collected by ODU under contract to DEQ
SBE5	VAT-G15E_SBE02A06	CB	JL53					2	IM																															SBEMH, Collected by ODU under contract to DEQ
SIMSCR	VAP-G01R_XAY01A06	SS	JL01	0	1	W	1	1	W	0	1	W									1	IN/O															2009 PCB Study - 1 H20 sample - >HH
TF5.2A	VAP-G01E_JMS03A02	NONA	JL01		128	NA		124																										34			41			VECOS
TF5.3	VAP-G01E_JMS03A02	NONA	JL03		128	NA		124																										34			41			VECOS
TF5.5	VAP-G03E_JMS01A00	NONA	JL07		128	NA		121																										34			43			VECOS
TF5.5	VAP-G03E_JMS01A00	NONA	JL07		1	NA		2																																ODU
TF5.5A	VAP-G03E_JMS01B10	NONA	JL11		129	NA		126																										35			43			VECOS
TF5.6	VAP-G04E_JMS03A04	NONA	JL13		130	NA		126																										33			44			VECOS
VA523358	VAT-G15E_JMS01C06	VDHB	JL58													2	19	IM																				Monthly Geometric Mean violated the standard for Enterococci based on Beach Bacteria data. Geo Mean exceedance: 6/2010 and 7/2010. OE for Swimming Advisories.
VA722627	VAT-G15E_JMS01B06	VDHB	JL58													1	20	IM																				Monthly Geometric Mean violated the standard for Enterococci based on Beach Bacteria data. Geo Mean exceedance: 6/2010. Mutiple Swimming Advisories.
VA747813	VAT-G11E_JMS03C06	VDHB	JL43													2	21	IM																				Monthly Geometric Mean violated the standard for Enterococci based on Beach Bacteria data. Geo Mean exceedance: 9/2010, 6/2011 and 7/2011. Multiple Swimming Advisories.
VA747818	VAT-G11E_JMS03B06	VDHB	JL43													3	20	IM																				Monthly Geometric Mean violated the standard for Enterococci based on Beach Bacteria data. Geo Mean exceedance: 6/2010, 8/2010, and 7/2011 . Multiple Swimming Advisories.
VA862384	VAT-G15E_WLY03A06	VDHB	JL57													1	6	IM																				Monthly Geometric Mean violated the standard for Enterococci based on Beach Bacteria data. Geo Mean exceedance: 9/2011 . OE for Swimming Advisories.
WB1	VAT-G14L_NWB02A08	NONA	JL47	0	474	S	43	372	IM	0	431	S																									Western Branch pooled DO and pH data: DO (182 viol / 1271 obs) IM; pH (3 viol /1544 obs)S
WB2	VAT-G14L_NWB02A08	NONA	JL47	1	433	S	48	337	IM	0	394	S																									Western Branch pooled DO and pH data: DO (182 viol / 1271 obs) IM; pH (3 viol /1544 obs)S
WB3	VAT-G14L_LPR01A06	NONA	JL46	0	357	S	34	287	IM	0	324	S																									Lake Prince pooled DO and pH data: DO (253 viol / 1566 obs) IM; pH (2 viol / 1859 obs) S.
WB4	VAT-G14L_NWB02A08	NONA	JL47	1	342	S	44	230	IM	2	296	S																									Western Branch pooled DO and pH data: DO (182 viol / 1271 obs) IM; pH (3 viol /1544 obs)S
WBE1	VAT-G15E_WBE02A00	CB	JL55					76	IM	0	103	S																									WBEMH, ODU

* For lake/reservoir NUTRIENTS (i.e. Total Phosphorus or Chlorophyll a), "Exceed" refers to the number of exceedences per monitoring year (April-October) and "Samples" represent the number of monitoring years. A minimum of two monitoring years are required to make a supporting (S) or impaired (IM) assessment determination. Less than two full monitoring years result in an insufficient (IN) determination. Also, nutrients are only assessed in lakes listed in Section 187 of the WQS if there is documented algaecide use.

NOTE: Values in VAHU6 refer to the 6th order watershed in version 4 of Virginia's portion of the National Watershed Boundary Dataset.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-HNS-HN1-EVP	VAV-H18R_HNS01A08	CMON	JM46	0	6	IN	0	5	IN	1	6	IN	0	6	S																						Field data Level II, E-coli/toxics data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-HNS-HN2-EVP	VAV-H18R_HNS01A08	CMON	JM46	0	6	IN	0	5	IN	1	6	IN	3	6	IM																						Field data Level II; E-coli/toxics data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-HNS-HS2-EVP	VAV-H18R_HNS01A08	CMON	JM46	0	6	IN	0	5	IN	1	6	IN	5	6	IM																						Field data Level II; E-coli/toxics data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-HOL000.99	VAC-J01R_HOL01A04	A	JA03																																		NO NEW DATA Assessment Dropped
2-HOL001.05	VAC-J01L_HOL01A06	L,C	JA03	0	57	S	0	27	S	0	57	S	0	7	S						0	S	0	S	0	S	1	O	0	S					0	1		2004 Holiday Lake Only one sampling year 2005 FT/Sediment OE - Hg 1 Species
2-HOL003.15	VAC-J01R_HOL01B04	FPM,B,TR	JA03	0	46	S	0	46	S	0	46	S	3	36	S				0	W	0	S									FS							2004 Probabilistic Monitoring This is a targeted reference site and ambient trend. 2010-2011 Bio This is a targeted reference site.
2-HOX003.60	VAC-H21R_HOX01A08	A	JM53	0	1	W	0	1	W	0	1	W																										DGIF Data Collection Site - Alkalinity/Hardness
2-HRA-PETE-02-NPS	VAP-J15R_HRA01A04	NONA	JA40	0	31	S	0	30	S	0	29	S																										NPS data level III
2-HRA-PETE-03-NPS	VAP-J15R_HRA01A04	NONA	JA40	0	18	S	0	18	S	0	18	S																										NPS data level III
2-HRC-HER01-SW	VAV-H27R_HRC01A12	CMON	JR11																											FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-HRD000.36	VAV-H19R_HRD01A00	A	JM49	0	11	S	0	11	S	0	11	S	1	11	S																						WQS - Basin 2B: Section 11: Class III: Special Standards:
2-HRD002.06	VAV-H19R_HRD01A00	A,B,FPM	JM49	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	0	S							FS							WQS - Basin 2B: Section 11: Class III: Special Standards:
2-HRD011.57	VAV-H19R_HRD01A00	A,TR	JM48	0	36	S	0	35	S	0	36	S	8	36	IM																						WQS - Basin 2B: Section 11: Class III: Special Standards: Trend analysis was performed at station 2-HRD011.57 in the 2006 cycle. No statistically significant trends were detected.
2-HRD-01-TJSWCD	VAV-H19R_HRD01A00	CMON	JM49	0	13	S							2	27	IN																						TJSWCD Level II Coli-scan Data WQS - Basin 2B: Section 11: Class III: Special Standards
02030000	VAV-H19R_HRD02A10	USGS	JM48	0	9	S															0	S																WQS - Basin 2B: Section 11: Class III: Special Standards:
02032640	VAV-H27R_RRN02A00	USGS	JR11	0	11	S															0	S																WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
02035000	VAP-H33R_JMS01A98	USGS	JM72	66	1920	S	0	263	S	101	1778	S									0	S																collocated with 2-JMS157.28 - USGS conmon
02040000	VAP-J07R_APP01A98	USGS	JA23	0	12	S															0	S																No new data since 2010 cycle, USGS Level III
02041000	VAP-J11R_DPC01B00	USGS	JA32	0	12	S															0	S																No new data since 2010 cycle, USGS Level III
02041650	VAP-J15R_APP01A98	USGS	JA40	0	1	S															0	S																No new data since 2010 cycle, USGS Level III
1BBLK-14-FBRG	VAV-B26R_BLK01A00	CMON	JR09										3	8	IN/O																						2008 Cycle Coli-scan data - Level II WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
2-ABL001.40	VAV-H31R_ABL01A00	A	JR22	0	12	S	0	11	S	0	12	S	1	12	S																						WQS: Basin 2B: Section 11: Class III: Special Standards:
2-ANG001.27	VAC-J06R_ANG02A00	B,SS,TM	JA16	0	2	S	0	2	S	0	2	S	3	10	IM						0	S									IM							NO NEW BACTERIA DATA 2011 Bio This stream has marginally stable banks in addition to excessive sedimentation. Angola Creek otherwise has decent habitat. Hog Farm Special Study Station Appomattox Basin TMDL
2-ANG003.35	VAC-J06R_ANG01A00	B,TM,SS	JA16	0	7	S	0	7	S	0	7	S	0	0	IM						0	S									FS							NO NEW BACTERIA DATA Hog Farm Special Study Station Appomattox Basin TMDL Regional Biological Station - Water of Concern FS Biologist notes on field form: 11/20/2007: Recent drought conditions (highly impacted). Suspect stream dried completely or nearly completely during drought. Biologist notes on field form 11/17/2008: Locals said Angola Creek downstream was dry within past month. Additional fall sampling needed to accurately characterize the benthic community in non-drought conditions. In general, this stream tends to score lower in the fall as a result of low water during summer seasons.
2ANG-ANG17-CVW	VAC-J06R_ANG02A00	CMON	JA16										14	42	IM																						Clean Virginia Waterways Station
2-APP001.53	VAP-J15E_APP02A98	CB,C,TR	JA45				0	374	S	0	405	S	10	68	IM						0	S	0	S	0	S	0	S	1	IM								TREND Station; 2012 FT: PAHs ok, PCBs 3 sp (striped bass, gizzard shad, carp), pest ok, metals ok; 2009 PCB Special Study 0/2(S)
2-APP009.52	VAP-J15E_APP01A98	A	JA40				1	13	S	0	13	S	1	12	S						0	S																
2-APP012.79	VAP-J15R_APP01A12	A,B,C,TR	JA40	0	42	S	0	40	S	1	41	S	5	35	IM						0	S							2	S	FS							TREND Station;2009 PCB Special Study 0/2(S)
2-APP016.38	VAP-J15R_APP01A98	A,CB,TR	JA40	0	117	S	0	115	S	0	117	S									0	S																Same as USGS 02041650; Trend Station
2-APP019.34	VAP-J15R_APP01A98	A	JA40	0	13	S	1	12	S	0	13	S	1	12	S						0	S																No new data since 2010 cycle
2-APP020.23	VAP-J14L_APP01A00	L	JA39	0	124	S	17	94	IM	0	124	S	0	13	S						0	S													0	2	S	5A; Top 10/41 (24.4%); bottom 26/26 (100%). PWS; pooled DO= 22vios/253 obs (S); pooled pH =0 vios/191 obs (S) no new data since 2012
2-APP023.27	VAP-J14L_APP01A00	L	JA39	0	67	S	4	57	S	0	67	S	0	11	S						0	S													0	2	S	5A; Top 7/36 (19.4%); bottom 8/10 (80%); PWS;pooled DO= 22vios/253 obs (S); pooled pH =0 vios/191 obs (S) no new data since 2012

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-APP026.67	VAP-J14L_APP01A00	L	JA39	0	59	S	1	49	S	0	59	S	0	11	S						0	S										0	2	S	0	2	S	5A Top 5/28 (17.8%); bottom 0/3; PWS;pooled DO= 22vios/253 obs (S); pooled pH =0 vios/191 obs (S) no new data since 2012
2-APP028.58	VAP-J14L_APP01A00	L	JA39	0	33	S	0	33	S	0	33	S	1	9	S						0	S																PWS; pooled DO= 22 vios/253 obs (S); pooled pH =0 vios/191 obs (S) no new data since 2012 cycle
2-APP029.23	VAP-J14L_APP01A00	L	JA36	0	20	S	0	20	S	0	20	S	0	6	S						0	S																PWS pooled DO= 22 vios/253 obs (S); pooled pH =0 vios/191 obs (S) no new data since 2012 cycle
2-APP037.08	VAP-J12R_APP01A08	A	JA36	0	12	S	0	12	S	0	12	S	3	12	IM				0	S	0	S	0	S	0	S												
2-APP050.23	VAP-J10R_APP01A98	A,TM,TR	JA28	0	35	S	0	35	S	0	35	S	5	34	IM						0	S																TREND Station;
2-APP068.93	VAP-J07R_APP01A98	A,TM	JA21	0	24	S	0	24	S	0	24	S	5	23	IM						0	S																
2-APP080.58	VAP-J07R_APP01A98	FPM,B	JA21	0	2	S	0	2	S	0	2	S	1	1	W				0	S	0	S	0	S	0	S					FS							2007 sed; Water metals in 2007, No new data since 2010 cycle
2-APP081.04	VAP-J07R_APP01A98	SS,A	JA21	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																
2-APP085.85	VAC-J06R_APP05A02	A,TM,TR	JA19	0	41	S	0	41	S	0	41	S	9	35	IM						0	S																Appomattox Basin TMDL
2-APP090.12	VAC-J06R_APP05A02	A,TM	JA17	0	12	S	0	12	S	0	12	S	2	12	S						0	S																NO NEW DATA Appomattox Basin TMDL
2-APP095.21	VAC-J06R_APP05A02	FPM	JA16	0	1	W	0	1	W	0	1	W	1	1	IN				0	W	0	W	0	W	0	W												Assessment Dropped 2006 FPM - Recommend future sampling with large river methods. Large river non-target for current DEQ sampling techniques; river is rarely wadeable at this site. Large portion of suitable macroinvertebrate habitat was inaccessible. Accessible habitat limited to large woody debris.
2-APP110.93	VAC-J01R_APP05A04	A,TM,TR	JA09	0	74	S	0	73	S	0	74	S	9	72	IM						0	S																Appomattox River Basinwide TMDL Study Trend Analysis Performed - Statistically significant trends were detected (TSS, increasing) USGS Temperature Data Level 3 - 0/14
2-APP114.05	VAC-J01R_APP05A04	FPM	JA05	0	1	W	0	1	W	0	1	W							0	W	0	W	0	W	0	W												Assessment Dropped 2002 Probabilistic Monitoring - only one Spring sample Recommend future sampling with appropriate large river methods.
2-APP118.04	VAC-J01R_APP03A02	A,C,TM,TR	JA05	0	41	S	0	41	S	0	41	S	9	36	IM						0	S	0	S	0	S	2	O	1	O								Appomattox River Basinwide TMDL Study Trend Analysis Performed - No Statistically significant trends were detected 2005 FT/Sediment - As 2 Species, Hg 1 Species OE - PCB 1 Species
2-APP122.15	VAC-J01R_APP03A02	A	JA05	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																
2-APP127.08	VAC-J01R_APP02A02	TM	JA03	0	11	W	0	11	W	0	11	W	4	10	IM																							NO NEW DATA Appomattox River Basinwide TMDL Study
2-APP137.55	VAC-J01R_APP02A02	A	JA03	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																
2-APP143.57	VAC-J01R_APP02A02	A,B,C	JA02	0	3	S	0	3	S	0	3	S									0	S	0	S	0	S	1	O	0	S	FS							2010/2012 BIO This section of the Appomattox River was wadeable with numerous riffles. There was sedimentation occurring, but the macroinvertebrate habitat was optimal. 2005 FT/Sediment OE - Hg 1 Species, PB 2 Species, As 1 Species 2006 FC bacteria: 3/9 = IM
2-APP152.57	VAC-J01R_APP01B04	A	JA01	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																
2-APP-APCO-01-NPS	VAC-J01R_APP01B04	CMON	JA01	0	5	S	0	5	S	0	5	S																										Level III NPS Data
2-APP-APCO-03-NPS	VAC-J01R_APP01B04	CMON	JA01	0	5	S	0	5	S	0	5	S																										Level III NPS Data
2APP-APP1-CVW	VAC-J01R_APP02A02	CMON	JA03										2	46	S																							Clean Virginia Waterways Station
2APP-APP2-CVW	VAC-J01R_APP05A04	CMON	JA09										13	74	IM																							Clean Virginia Waterways Station Formerly Station 2AAP-F-CVW
2-ARS000.11	VAC-J01R_ARS01A04	A	JA01	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																No New Data
2-AUS001.12	VAC-H21R_AUS01A00	SS	JM52	0	18	W	0	18	W	0	17	W	0	7	W						0	W																Assessment Dropped Hog Farm Special Study & Follow-up (Delist for pH)
2-BAG002.25	VAV-H31R_BAG01A06	A,B	JR21	0	13	S	0	12	S	1	13	S	1	12	S																FS							WQS - Basin 2B: Section 11: Class III: Special Standards:
2-BAG-1-SOS	VAV-H31R_BAG01A06	CMON	JR21																												MP							SOS data Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-BAG-BAG01-SW	VAV-H31R_BAG01A06	CMON	JR21																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 11: Class III: Special Standards:
2-BAG-BAG02-SW	VAV-H31R_BAG01A06	CMON	JR21																												J							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 11: Class III: Special Standards:
2BBAA003.06	VAC-H36R_BAA01A12	FPM,B	JM68	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W								FS	0	1	W	0	1		2010 FPM This site was sampled as part of the probabilistic monitoring program. This stream had optimal habitat, with slight embeddedness and pronounced sedimentation.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2BBNC001.23	VAC-H02R_BNC01A02	A,B	JM05	0	4	S	0	4	S	0	4	S																			FS							2009-2010/2012 BIO This stream is in the George Washington National Forest and has optimal riffle habitat. The stream experiences more sedimentation and embeddedness than others in the area due to road crossings upstream. The USFS sampled this site in spring 2008 and calculated an SCI score of 62.7. 2BBNC-5042-USFS Level III Assessment - FS
2BBOB000.19	VAV-H13R_BOB01A10	A	JM32	0	12	S	0	12	S	0	12	S	5	12	IM																							WQS - Basin 2B: Section 11d: Class III: Special Standards:
2BBYN000.59	VAC-H21R_BYN01A12	A,B	JM53	0	3	S	0	2	S	0	3	S																			J							2009/2012 BIO This stream had adequate epifaunal substrate and relatively stable banks, but was experiencing some sediment deposition. The bank stability in 2012 was marginal and fall 2012 biologist notes indicated logging upstream on the left bank. Current SCI scores are so close to the impairment threshold that one more year of data will be collected in order to accurately assess water quality in this stream reach.
2BBYR000.08	VAP-H34R_BYR01A98	FPM,B	JM61	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S	0	S							FS							2011 sed; 2011 benthics
2-BCR000.20	VAC-H05R_BCR01A00	A	JM12	0	24	S	0	24	S	0	24	S	3	24	IM						0	S	0	S	0	S												No New Data
2-BCR007.68	VAC-H05R_BCR01A00	FPM,B	JM12	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S			0	W					FS							2012 FPM There is some sedimentation and bank erosion occurring in Beaver Creek, but otherwise it has optimal habitat.
2-BDC000.79	VAP-H38R_BDC01A98	A	JM79	0	12	S	0	12	S	1	12	S	5	12	IM																							PWS
2-BDYL-1-SOS	VAV-H24R_DYL01A00	CMON	JR04																												MP							SOS data Level II WQS - Basin 2B: Section 10i: Class III: Special Standards: PWS
2BECH000.53	VAC-H02R_ECH01A02	A,B	JM05	0	4	S	0	4	S	0	4	S																			FS							2009-2010 BIO This stream is in the George Washington National Forest and has optimal habitat.
2-BEK000.10	VAC-H05R_BEK01A06	A	JM14	0	12	S	0	12	S	0	12	S	6	12	IM						0	S																
2-BEK001.40	VAC-H05R_BEK01A06	A,B	JM14	0	5	S	0	5	S	0	5	S																			FS							2009-2010 Bio The riffles in this section of Beck Creek were mostly bedrock covered in an algal film. The watershed is mostly forested with some agriculture and a gravel road bordered the stream on the left bank.
2-BEP-BVE01-SW	VAV-H30R_BEP01A12	CMON	JR18																												IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10s: Class III: Special Standards: PWS
2-BFC001.11	VAC-H36R_BFC01A08	A	JM66	0	12	S	0	12	S	0	12	S	1	12	IM						0	S																2014 Delist for Bacteria
2-BFL002.00	VAC-J02R_BFL02A02	A,B,TM	JA08	0	13	S	0	13	S	0	13	S	0	12	S						0	S	0	S	0	S					FS							Appomattox River Basinwide TMDL Study SCI scores are higher in the fall season due to increased leaf pack availability. Habitat very dependent on large woody debris, which trap leaf packs. The spring 2005 sample was taken in June, which may have excluded early emergent families. This may have caused an inconsistent SCI score for this sample. Spring 2006 was uncharacteristically dry, which may account for the slightly low SCI score for that sample. These data are reflected in the upstream sample at site 2-BFL009.69. This site has pronounced sediment deposition, and marginal/suboptimal epifaunal substrate. Need additional data in order to accurately characterize this stream; Will revisit site.
2-BFL009.69	VAC-J02R_BFL02A02	B,CR	JA08	0	2	S	0	2	S	0	2	S																			FS							Citizen Monitoring Request 2012 Biomon SCI scores are higher in the fall season due to increased leaf pack availability. Habitat very dependent on large woody debris, which trap leaf packs. 2010 samples were collected in early September, Stream had abundant new-fall and stable habitat in 2012 with good flows.
2-BFL011.03	VAC-J02R_BFL02A02	A,TM,TR	JA08	0	41	S	0	41	S	0	41	S	7	36	IM						0	S																Appomattox River Basinwide TMDL Study Trend Analysis Performed - Statistically significant trends detected (TN - increasing)
2-BFL011.64	VAC-J02R_BFL03A06	FPM,B	JA08	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W	0	W					FS							2008 FPM
2-BFL016.60	VAC-J02R_BFL03A06	A	JA07	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																2014 New Bacteria Impairment
2-BFL016.79	VAC-J02R_BFL03A06	FPM,B	JA07	0	1	W	0	1	W	0	1	W							0	W	0	W	0	W	0	W					FS							2012 Carryover Prob Mon 2006 FC bacteria: 0/2 = S
2BFL-BUF0-CVW	VAC-J02R_BFL02A02	CMON	JA08										7	28	IM																							Clean Virginia Waterways Station
2BFL-BUF15-CVW	VAC-J02R_BFL02A02	CMON	JA08										4	39	IM																							Clean Virginia Waterways Station Formerly 2BFL-B-CVW
2BFL-BUF3-CVW	VAC-J02R_BFL02A02	CMON	JA08										7	51	IM																							Clean Virginia Waterways Station Formerly 2BFF-B-CVW
2-BGC000.58	VAC-H20R_BGC01A98	A	JM58	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																
2-BGC005.37	VAC-H20R_BGC02A04	SS,C	JM58	0	12	S	0	12	S	0	12	S									0	S							0	S								2008 Ammonia Special Study
2-BGU001.39	VAC-J06R_BGU01A98	A,TM	JA18	0	9	S	0	9	S	0	9	S	2	9	IM						0	S	0	S	0	S												Appomattox Basin TMDL
2-BGU005.67	VAC-J06R_BGU01A98	A	JA18	0	12	S	0	12	S	0	12	S	5	12	IM						0	S																

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-BGU005.95	VAC-J06R_BGU01A98	FPM,B	JA18	0	1	W	0	1	W	0	1	W	0	1	W				0	W	0	W	0	W	0	W					FS							2005 Probabilistic Monitoring SCI scores are higher in the fall season due to increased leaf pack availability. Habitat very dependent on large woody debris, which trap leaf packs.
2BHOX000.62	VAC-H21R_HOX01A08	A,B	JM53	0	3	S	0	2	S	0	3	S																			IM							2009/2012 BIO Biologist notes from 2009 indicated that the riffles were highly embedded and unstable, which was likely a result of relatively unstable stream banks and heavy local watershed erosion. Sediment is a likely stressor in this stream.
2-BID002.11	VAV-H29R_BID01A00	A	JR16	0	12	S	0	12	S	0	12	S	2	12	IM																							WQS - Basin 2B: Section 10m: Class III: Special Standards: PWS
2-BID-BKI01-SOS	VAV-H29R_BID01A00	CMON	JR16																												LP							SOS data Level II WQS - Basin 2B: Section 10m: Class III: Special Standards: PWS
2-BID-BKI01-SW	VAV-H29R_BID01A00	CMON	JR16										2	8	IN/O																IM							Stream Watch Benthic Data Level III; Bacteria Level II WQS - Basin 2B: Section 10m: Class III: Special Standards: PWS
2-BID-BKX01-SW	VAV-H29R_BID02A00	CMON	JR16																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10m: Class III: Special Standards: PWS
2-BIO000.45	VAC-H36R_BIO01A08	A,B	JM70	0	14	S	0	14	S	0	14	S	0	12	S						0	S									FS							2009 Bio This site is in the Cumberland State Forest and had marginal bank stability, pronounced sediment deposition, and suboptimal epifaunal substrate.
2BJMS110.53	VAP-H39R_JMS03A98	TM,B	JM86	0	7	S	0	7	S	0	7	S																			FS							2009-2012 benthics
2BJMS113.47	VAP-H39R_JMS02A98	FPM,B	JM86	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S	0	S							FS							2009 Probmon; no new data since 2012 cycle
2BJMS136.77	VAP-H38R_JMS02A04	FPM,B	JM78	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	IN	0	S							IN							2010 Probmon
2BJMS143.23	VAP-H38R_JMS01A06	FPM,B	JM78	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S	0	S							IN							2011 probmon
2BJMS181.54	VAC-H20R_JMS01A02	FPM	JM50	0	1	W	0	1	W	0	1	W	0	1	W				0	W	0	W																2012 FPM - Large River
2BJMS264.58	VAC-H03R_JMS06A02	FPM,B	JM07	0	2	S	0	2	S	0	2	S	0	1	W			NA	0	W	0	S	0	W							J							2010 FPM This section of the James River was sampled as part of the probabilistic monitoring program. Large river non-target for current DEQ sampling techniques. No assessment tool available for large river benthic communities.
2-BKC001.43	VAV-H09R_BKC01A14	A,B	JM24	0	1	W	0	1	W	0	1	W																			IM							WQS - Basin 2B: Section 11c: Class III: Special Standards: PWS
2-BKC001.55	VAV-H09R_BKC01A14	B	JM24																												IM							WQS - Basin 2B: Section 11c: Class III: Special Standards: PWS
2-BKM002.01	VAV-H25R_BKM01A00	A	JR06	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																WQS - Basin 2B: Section 10j: Class III: Special Standards:
2-BKM004.79	VAV-H25R_BKM01A00	A,B	JR06	0	3	S	0	3	S	0	3	S																			FS							WQS - Basin 2B: Section 10j: Class III: Special Standards:
2-BKM-BKM01-SOS	VAV-H25R_BKM01A00	CMON	JR06																												MP							SOS data Level II WQS - Basin 2B: Section 10j: Class III Special Standards: PWS
2-BKM-BKM01-SW	VAV-H25R_BKM01A00	CMON	JR06																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-BKM-BKM04-SW	VAV-H25R_BKM01A00	CMON	JR06																												J							WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-BKM-BKM06-SW	VAV-H25R_BKM01A00	CMON	JR06																												FS							WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-BKM-BKU03-SOS	VAV-H25R_BKM01A00	CMON	JR06																												MP							SOS data Level II WQS - Basin 2B: Section 10j: Class III Special Standards: PWS
2-BKM-BKU03-SW	VAV-H25R_BKM01A00	CMON	JR06										1	8	IN/O																FS							Stream Watch Benthic Data Level III; Bacteria Level II WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-BKW000.40	VAC-H03R_BKW01A00	A,B,TM	JM10	0	4	S	0	4	S	0	4	S			IM						0	S	0	S	0	S					IM							Bacteria data dropped out, still impaired (4/12 last count) Lynchburg CSO/Urban Non-Point Source 2007 Lynchburg TMDL 2007/2011 Bio Habitat assessment scores at this site were low for epifaunal substrate, sediment deposition, bank stability and bank vegetative protection. Blackwater Creek is an urban stream with many non-point sources of pollution, in addition to scouring and high sediment loads during rain events. It has a uniform stream bottom with little instream habitat.
2-BKW004.87	VAC-H03R_BKW01A00	A,B	JM10	0	7	S	0	7	S	0	7	S									0	W									IM							2007, 2009-2011 Bio This section of Blackwater Creek has an excellent riparian zone for an urban area, but has poor bank stability, increased embeddedness and sediment deposition, and marginal epifaunal substrate. The fall 2011 SCI score shows improvement and monitoring will continue at this site.
2-BKW005.95	VAC-H03R_BKW01A00	A	JM10	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																Urban Non-Point Source
2-BKW006.76	VAC-H03R_BKW01A00	C	JM10																				0	S	0	S	0	S	1	O								2005 FT/Sediment Station OE - PCB 1 Species
2-BKW007.19	VAC-H03R_BKW01A00	TM	JM10	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																No New Data
2BLIR007.16	VAV-H10R_LIR01A00	A,FPM,B	JM25	0	1	W	0	1	W	0	1	W	0	1	W				0	S	0	S									FS							WQS - Basin 2B: Section 11d: Class VI: Special Standards:
2-BLO001.85	VAP-J11R_BLO01A00	A,TM	JA30	0	48	S	13	47	IM	5	48	S	5	48	S																							
2-BLR003.00	VAC-H17R_BLR01A00	A,TM	JM42	0	19	S	0	16	S	0	19	S	3	18	IM						0	S										0	3	W				No New Data Ballinger Creek TMDL
2-BLU-BLU02-SW	VAV-H27R_BLU01A04	CMON	JR10																												IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2BMAR-36-CWT	VAP-H39R_MAR01A08	CMON	JM83							0	10	IN																									Chesterfield WaterTrends - level II
2BMNF000.10	VAV-H24R_MNF01A00	A	JR03	2	6	IM	0	6	S	1	6	IN	0	6	S																						WQS - Basin 2B: Section 10i, Class VI: Special Standards:
2BMSC002.46	VAV-H28R_MSC01A00	SS	JR15																						0	S											WQS - Basin 2B: Section 10: Class III: Special Standards:
2BMSC003.06	VAV-H28R_MSC01A00	SS	JR15																						0	S											WQS - Basin 2B: Section 10: Class III: Special Standards:
2-BMT000.07	VAC-H02R_BMT01A00	SS	JM04	0	6	S	0	6	S	0	6	S																									No New Data 2005 Pedlar Special Study
2-BNF003.52	VAC-H11R_BNF02A02	FPM,B	JM28	0	6	S	0	6	S	0	6	S							0	W	0	S	0	W	0	W					FS							2001 Probabilistic Monitoring - 2007-2008/2010 Follow-up This is a high gradient stream in the national forest.
2-BNF-5123-USFS	VAC-H11R_BNF03A06	USFS	JM28																												UN						USFS Level III Bio Assessments
2-BNP-BVD01-SW	VAV-H27R_BVM01A00	CMON	JR09																												J						Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-BOB-20-NCMG	VAV-H13R_BOB01A10	CMON	JM32										1	5	IN/O																						Coli-scan data Level II WQS - Basin 2B: Section 11d: Class III: Special Standards:
2-BOR000.02	VAP-H39R_BOR01A02	A,TM	JM83	0	3	S	0	3	S	0	3	S	3	3	IM																						
2-BOR001.73	VAP-H39R_BOR01A02	A,TM	JM83	0	29	S	5	29	IM	1	29	S	4	27	IM						0	S																PWS
2-BOT-BST01-SW	VAV-H31R_BOT01A12	CMON	JR19																												FS						Stream Watch Benthic Data Level III WQS - Basin 2B: Section 11: Class III: Special Standards:
2-BOW001.99	VAC-J01R_BOW01A10	TM	JA02	0	12	W	0	12	W	0	12	W	1	12	W																						NO NEW DATA - Data drops out 2007 Suanee TMDL Monitoring
2BOWN002.52	VAC-H08R_OWN01A06	A	JM20	0	12	S	0	12	S	0	12	S	1	12	S																						
2BPOL019.61	VAC-H02R_POL05B02	A	JM04	0	4	S	0	4	S	0	4	S																										
2-BRC001.55	VAC-H36L_BRC01A06	L	JM66	0	45	S	1	12	S	3	45	S	0	7	S						0	S																2004 Bear Creek Lake Monitoring Not listed in Regulation Delist for DO?
2-BRI001.00	VAC-J05R_BRI01A98	A,TM	JA10	0	11	S	0	11	S	0	11	S	1	11	IM						0	S																NO NEW DATA Appomattox Basin TMDL
2-BRI004.01	VAC-J05R_BRI01A98	TM	JA10			W			W			W	2	11	IM																						
2-BRI007.80	VAC-J05R_BRI01A98	FPM,B	JA10	0	4	S	0	4	S	0	4	S	0	1	W				0	W	0	S	0	W	0	W					IM							2004 Probabilistic Station Fixed, stable habitat was in short supply within this stream reach. Sediments are frequently disturbed during high flow events. Briery Creek Reservoir is upstream of the sample reach. Flow modifications due to the upstream dam may be affecting the stream community. Are any seasonal differences noted? None 2009 Bio This stream has marginal bank stability, increased sediment deposition, and decent epifaunal substrate. 2009 biologist field notes indicate that the snags were full of sediment and the stream appears to get high flows relatively often. Additional data needed to accurately characterize the benthic community.
2-BRI010.58	VAC-J05L_BRI01L98	C	JA10	0	1	W	0	1	W	0	1	W															0	S	0	S							2005 FT/Sediment
2-BRI010.78	VAC-J05L_BRI01L98	L	JA10	0	227	S	2	93	S	4	227	S	0	20	S						0	S	0	S	0	S								0	2		2009-2012 Briery Creek Lake Pooled Data: DO - 7/184
2-BRI013.12	VAC-J05L_BRI01L98	L	JA10	0	146	S	5	91	S	0	146	S	0	21	S						0	S	0	S	0	S												2009-2012 Briery Creek Lake Not in Lacustrine Zone Pooled Data: DO - 7/184
2-BRK000.57	VAC-H36R_BRK01A08	A	JM68	0	1	W	0	1	W	0	1	W	0	1	W						0	W												0	1	W			Ambient station replaced with station at RM 1.00
2-BRK001.00	VAC-H36R_BRK01A08	A,B	JM68	0	14	S	0	14	S	0	14	S	0	12	IN						0	S										FS						2009 BIO This site is in the Cumberland State Forest and exhibited marginal bank stability, pronounced sediment deposition, and marginal epifaunal substrate.
2BRTS001.97	VAP-H34R_RTS01A14	A,B	JM59	0	2	S	0	2	S	0	2	S																			FS						2012 benthics
2BRVN039.91	VAV-H28R_RVN01A00	SS	JR14																						0	S											WQS - Basin 2B: Section 10: Class III: Special Standards:
2BRVN040.04	VAV-H28R_RVN01A00	SS	JR14																						0	S											WQS - Basin 2B: Section 10: Class III: Special Standards:
2-BRX000.66	VAV-H23R_BRX01A00	A,B	JR01	0	5	S	0	5	S	0	5	S																			IM						Benthic MI in 2004 (improved) WQS - Basin 2B: Section 10: Class III: Special Standards:
2-BSC-BSC01-SOS	VAV-H28R_BSC01A00	CMON	JR15																												MP						SOS data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-BSC-BSC01-SW	VAV-H28R_BSC01A00	CMON	JR15																												IM						Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2BSNK001.20	VAV-H28R_SNK01A02	SS	JR14																						0	S											WQS - Basin 2B: Section 10: Class III: Special Standards:
2-BSR002.82	VAC-J03R_BSR03A02	A,TM	JA13	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																NO NEW DATA Appomattox River Basinwide TMDL Study
2-BSR008.08	VAC-J04R_BSR01A98	TM,SS	JA13																																		Drops out of 2014 Assessment NO NEW DATA Hog Farm Special Study Station
2-BSR014.67	VAC-J04R_BSR01B10	TM,SS	JA11																																		Drops out of 2014 Assessment NO NEW DATA Hog Farm Special Study Station

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-BSR017.69	VAC-J04R_BSR01B10	A,B	JA11	0	2	S	0	2	S	0	2	S																			IM							2008 Bio Station This site was monitored in order to supplement probabilistic monitoring data from probabilistic monitoring site 2-BSR018.10, which can only be accessed via private land and cannot be revisited. Bush River has evidence of extremely high flows with very high sedimentation occurring instream. The habitat assessment scores very low for bank stability and bank vegetative protection. In the fall of 2008 a new clear-cut was noted on the right bank. The riffles had become more embedded, reducing available habitat for benthic macroinvertebrates.
2-BSR018.10	VAC-J04R_BSR01B10	FPM,B	JA11	0	1	W	0	1	W	0	1	W	0	1	W				0	W	0	W	0	W	0	W					J							2005 Probabilistic Monitoring Condition of stream drastically different seasonally, therefore an accurate assessment is not possible without additional data. This site was part of the probabilistic monitoring program and can only be accessed via private land, therefore it will not be revisited. Seasonal difference noted. Abundant algal floc dominated riffles in spring but was not present in fall.
2-BTC000.16	VAC-H07R_BTC01A00	A,TM	JM18	0	24	S	0	24	S	0	24	S	6	24	IM						0	S	0	S	0	S												
2BTYS000.85	VAV-H09R_TYS01A00	B	JM33																											FS							WQS - Basin 2B: Section 11: Class VI: Special Standards:
2-BUF002.10	VAC-H12R_BUF01A00	A,B,TR	JM31	0	54	S	0	54	S	0	54	S	12	48	IM						0	S	0	S	0	S					FS							Trend Analysis Performed - Statistically significant trends were detected (TN-decreasing & TSS, decreasing) 2010 - Nelson County Master Gardeners Site #16 0/6 EC - Level II Data
2-BUF011.95	VAC-H11R_BUF01A00	TM	JM29	0	11	S	0	11	S	0	11	S	4	12	IM						0	S																Buffalo River TMDL station
2-BUF013.53	VAC-H11R_BUF01A00	A	JM29	0	12	S	0	12	S	0	12	S	2	12	IM						0	S	0	S	0	S												
2-BUF023.21	VAC-H11R_BUF03A00	A	JM29	0	24	S	0	24	S	0	24	S	5	24	IM						0	S	0	S	0	S												
2-BUF026.43	VAC-H11R_BUF04A08	B,TM	JM28	0	37	S	0	37	S	0	37	S	9	12	IM																IM							TMDL Monitoring 2006/2009-2011 Bio Mon. This stream has good riffles but algae are dominant, indicating potential nutrient enrichment. It also has excessive sediment deposition, likely due to its location in an agricultural watershed with pasture adjacent to the left bank.
2-BUF026.58	VAC-H11R_BUF04A08	TM	JM29	0	24		0	24		0	24		7	12	IM						0	S																Buffalo River TMDL station
2-BUF030.41	VAC-H11R_BNF01A02	TM,B	JM29	0	24		0	24		2	24		1	12	S						0	S									FS							2011 Bio This section of the Buffalo River is characterized by excellent cobble riffles and optimal habitat. Buffalo River TMDL station
2-BUN000.04	VAC-H03R_BUN01A06	A,B	JM10	0	4	S	0	4	S	0	4	S																			IM							2007 & 2011 Bio Station Burton Creek suffers from heavy algal growth in addition to fine sediments covering the stream bottom. Habitat assessment scores were low for bank stability and bank vegetative protection. An abundance of trash was noted in the stream at the time of sampling.
2-BUN001.64	VAC-H03R_BUN01A06	A,TM	JM10	0	12	S	0	12	S	0	12	S	1	12	IM						0	S																No New Data, remains impaired Urban Non-Point Source
2-BUN002.30	VAC-H03R_BUN01A06	TM	JM10			W			W			W			W																						Data dropped from assessment window
2-BVC000.83	VAV-H16R_BVC01A04	A	JM41	0	11	S	0	11	S	0	11	S	2	12	IM																							WQS - Basin 2B: Section 10: Class III: Special Standards
2-BVC003.09	VAV-H16R_BVC01A04	A,B,FPM	JM41	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	0	S							FS							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-BVP006.58	VAP-J11R_BVP01A00	A	JA33	0	11	S	0	11	S	0	11	S	3	11	IM																							no new data since 2012 cycle
2-BVR002.19	VAV-H23L_00	L	JR02	0	162	S	1	56	S	4	166	S	0	14	S						0	S													0	2		Fully supporting for nutrients in 2014, pH impairment is a de-list in 2014 - Basin 2B: Section 10g: Class III: Special Standards: PWS
2-BVR005.70	VAV-H23R_BVR02A04	A	JR02	0	11	S	0	11	S	0	10	S	1	12	S																							WQS - Basin 2B: Section 10g: Class III: Special Standards: PWS
2-BVR-BVV02-SW	VAV-H23R_BVR02A04	CMON	JR02																												J							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10g: Class III: Special Standards: PWS
2-BWD000.50	VAP-J07R_BWD01A00	A	JA23	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																No new data since 2010 cycle
2BWTN007.39	VAC-H21R_WTN01A08	FPM,B,C	JM54	0	2	S	0	2	S	0	2	S	0	1	W				0	W									0	W	FS							2010 FPM This site was sampled as part of the probabilistic monitoring program and is also 0.4 miles downstream of a dam on Walton Lake.
2BXAC000.38	VAC-H14R_XAC01A12	FPM,B	JM34	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W							FS							2010 FPM This site was sampled as part of the probabilistic monitoring program.
2BXAD000.07	VAC-H17R_XAD01A14	FPM,B	JM45	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S			0	S					FS							2011 FPM This small stream had optimal habitat.
2BXAJ-10-CWT	VAP-H39R_XAJ01A12	CMON	JM86	0	40	IN	0	40	IN	0	40	IN	1	8	IN																							previously 2BXAJ-10-FOCR - Chesterfield WaterTrends level 2
2BXAK-11-CWT	VAP-H39R_XAK01A12	CMON	JM86	0	46	IN	0	46	IN	0	46	IN	0	10	IN																							previously 2BXAK-11-FOCR - Chesterfield WaterTrends level 2
2BXAM000.19	VAP-H39R_XAM01A14	TM	JM84	0	11	S	0	11	S	0	11	S									0	S																
2BXAM000.77	VAP-H39R_XAM01A14	TM	JM84	0	1	W	0	1	W	0	1	W									0	IN																
2BXAS-37-CWT	VAP-H39R_XAS01A14	CMON	JM83							0	13	IN																										Chesterfield WaterTrends - level II

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2BXAT-26-CWT	VAP-H39R_XAT01A14	CMON	JM83	0	23	IN	0	23	IN	0	23	IN	3	12	IN/O																						Chesterfield WaterTrends - level II
2BXBH000.12	VAP-H39R_XBH01A14	TM	JM86																		1	IN/O														2012 PCB Study - 1 sample - > HH < ALUS
2BXDI-32-CWT	VAP-H39R_XDI01A14	CMON	JM86							0	11	IN																				13					Chesterfield WaterTrends - level II
2BXMC000.10	VAV-H28R_XRC01A04	SS	JR15																						0	S											WQS - Basin 2B: Section 10: Class III: Special Standards:
2BXRK001.64	VAV-H16R_XRK01A14	A,B,FPM	JM40	0	2	S	0	2	S	0	1	W	0	1	W				0	S	0	S									FS						WQS - Basin 2B: Section 10: Class III: Special Standards:
2BXZF000.38	VAC-H21R_XZF01A10	A,B	JM53	0	2	S	0	2	S	0	2	S																			FS						2011 Biomon Some sedimentation but good habitat present.
2-BYR003.35	VAP-H34R_BYR01A98	A	JM60	0	12	S	0	12	S	1	12	S	4	12	IM																						
2-BYR018.04	VAP-H34R_BYR01A98	A,B	JM60	0	2	S	0	2	S	0	2	S																			IN						2012 benthics
2-BYR021.58	VAP-H34R_BYR01A98	A	JM59	0	12	S	0	12	S	0	12	S	4	12	IM						0	S															No data since 2010 cycle
2-CBH000.29	VAC-J01R_CBH01A10	A	JA04	0	12	S	0	12	S	0	12	S	0	11	S						0	S															NO NEW DATA
2-CCC001.15	VAP-J14R_CCC01A06	A	JA39	0	16	S	0	16	S	2	16	IM																									PWS, no new data since 2012 cycle
2-CFK001.31	VAV-H32R_CFK01A00	A,B	JR20	0	2	S	0	2	S	0	2	S																			IM						WQS: Basin 2B: Section 11: Class III Special Standards:
2-CFK004.34	VAV-H32L_00	L	JR20	0	122	S	6	42	IM	11	115	S	0	13	S						0	S													0	2		Fully Supporting for Nutrients, newly impaired for DO in 2012, pH was a delist for 2012 WQS: Basin 2B: Section 11: Class III Special Standards:
2-CKD-CB1-ACB	VAP-H39R_XCK01A14	CMON	JM86	0	23	S	1	21	S	0	23	S	5	22	IM																						ACB - level 3
2-CLC000.62	VAP-J15R_CLC01A12	A	JA40	0	12	S	0	12	S	0	12	S	5	12	IM																						no new data since 2012 cycle
2-CLR001.23	VAP-J11R_CLR01B10	TM,A	JA30	0	48	S	9	47	IM	4	48	S	4	48	S																						
2-CLR004.04	VAP-J11R_CLR01A00	A,SS	JA30	0	10	S	0	10	S	0	10	S	2	10	IM						0	S															No new data since 2010 cycle
2-CLR007.04	VAP-J11R_CLR01A00	TM,A	JA30	0	48	S	4	47	S	0	47	S	12	48	IM																						
2-CMN-XNM01-SW	VAV-H32R_XPA01A06	CMON	JR20																												FS						Stream Watch Benthic Data Level III WQS - Basin 2B: Section 11: Class III: Special Standards:
2-CNE000.96	VAC-J01R_CNE01A10	TM,B	JA04	0	14	S	0	14	S	0	14	S	4	12	IM						0	S									IM						NO NEW DATA Vaughns Creek LDA TMDL Monitoring 2008/2012 Bio Dairy cows have access to stream, though it is a very wooded area. Habitat consisted of numerous log jams, some good cobble riffles and some gravel riffles. The riffles weren't very embedded but sedimentation was high throughout the rest of the stream. Nitrogen concentrations in the stream were high, indicating a nutrient problem. Extreme seasonal variation in SCI scores, therefore additional monitoring is needed to accurately assess water quality in this stream reach.
2-CNM001.75	VAV-H32R_CNM01A00	A,B	JR20	0	5	S	0	5	S	0	5	S																			IM						WQS - Basin 2B: Section 11: Class III: Special Standards:
2-CNM002.25	VAV-H32R_CNM01A00	B	JR20																												IM						WQS - Basin 2B: Section 11: Class III: Special Standards:
2-CNM-CNM05-SOS	VAV-H32R_CNM01A00	CMON	JR20																												MP						SOS data Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-CNM-CNM05-SW	VAV-H32R_CNM01A00	CMON	JR20										0	8	IN																						WQS - Basin 2B: Section 11: Class III: Special Standards:
2-CNM-CNM07-SW	VAV-H32R_CNM01A00	CMON	JR20																												IM						Stream Watch Benthic Data Level III WQS - Basin 2B: Section 11: Class III: Special Standards:
2-COO002.35	VAC-H21R_COO01A08	A,B	JM53	0	4	S	0	4	S	0	4	S									0	S	0	W	0	W					FS						Previous FPM Station - Regional Bio Most habitat metrics were optimal.
2-COV003.44	VAV-H16R_COV01A00	A	JM39	0	11	S	0	11	S	0	11	S	7	12	IM																						WQS - Basin 2B: Section 10: Class III: Special Standards:
2-CRL-CRL1-SOS	VAV-H29R_CAR01A06	CMON	JR17																												HP						SOS data Level II WQS - Basin 2B: Section 10m: Class III: Special Standards: PWS
2-CRR000.27	VAV-H29R_CAR01A06	A,B	JR17	0	2	S	0	2	S	0	2	S																			IM						WQS - Basin 2B: Section 10m: Class III: Special Standards:
2-CRR-CRL01-SW	VAV-H29R_CAR01A06	CMON	JR17																												IM						Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10m: Class III: Special Standards: PWS
2-CRR-CRU02-SOS	VAV-H29R_CAR01A06	CMON	JR17																												LP						SOS data Level II WQS - Basin 2B: Section 10m: Class III: Special Standards: PWS
2-CRY000.69	VAV-H31R_CRY01A08	A,B	JR22	0	4	S	0	4	S	0	4	S																			IM						WQS - Basin 2B: Section 11: Class III: Special Standards:
2-CRY-CYC01-SOS	VAV-H31R_CRY01A08	CMON	JR22																												MP						SOS data Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-CRY-CYC01-SW	VAV-H31R_CRY01A08	CMON	JR22																												IM						Stream Watch Benthic Data Level III WQS - Basin 2B: Section 11: Class III: Special Standards:
2-CUR001.58	VAP-J17R_CUR01A08	A	JA44	0	13	S	0	13	S	12	13	IM																									no new data since 2012 cycle
2-CVE000.03	VAC-H11R_CVE01A06	A,B	JM28	0	2	S	0	2	S	0	2	S																			FS						2010 Bio Tier III stream in National Forest.
2-CXB000.86	VAV-H32R_CXB01A00	A,B	JR20	0	4	S	0	4	S	0	4	S																			FS						WQS - Basin 2B: Section 11: Class III: Special Standards: change from IM in 2012
2-CXB005.39	VAV-H32R_CXB01A00	A	JR20	0	12	S	0	11	S	0	12	S	0	12	S																						WQS - Basin 2B: Section 11: Class III: Special Standards:
2-CXB-CXB02-SOS	VAV-H32R_CXB01A00	CMON	JR20																												LP						SOS data Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-CXB-CXB02-SW	VAV-H32R_CXB01A00	CMON	JR20																												IM						Stream Watch Benthic Data Level III WQS - Basin 2B: Section 11: Class III: Special Standards:
2-CXB-CXB04-SW	VAV-H32R_CXB01A00	CMON	JR20																												FS						Stream Watch Benthic Data Level III WQS - Basin 2B: Section 11: Class III: Special Standards:
2CXBI000.23	VAP-G02R_JOD01A04	TM	JA45																		0	IN															2012 PCB Study - 1 sample - ok
2CXBJ000.19	VAP-J15R_XBJ01A14	TM,C	JA40																		1	O							1	O							New station 2014 cycle 2012 PCB violation (1/1) OE Fish Consumption
2CXBK000.08	VAP-J15R_XBK01A14	TM,C	JA40																		0	S							0	S							New station 2014 cycle 2012 PCB 0/1(S)

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2DAPP001.12	VAP-J15E_APP02A98	A,SS	JA45	0	1	W	0	1	W	0	1	W							0	S			0	S	0	S												2009 sed, water metals, no new data since 2012 cycle
2DAPP001.49	VAP-J15E_APP02A98	A,SS	JA45	0	1	W	0	1	W	0	1	W							0	S			0	S	0	S												2009 sed, water metals, no new data since 2012 cycle
2DAPP001.91	VAP-J15E_APP02A98	C2,SS	JA45	0	1	S	0	1	S	0	1	S							0	S	0	S	0	S	0	S												1 sample event/WOE 2006 Category 5A TF-M Scenario1, 2009 sed, water metals, no new data since 2012 cycle
2DAPP003.27	VAP-J15E_APP02A98	CB,FPM	JA45	0	8	W	0	8	W	0	8	W	1	1	W				0	S																		water metals 2009; WOE scenario 3 Category 2B OE-PAH
2DAPP005.53	VAP-J15E_APP02B12	A	JA45	0	1	W	0	1	W	0	1	W	0	2	S				0	S	0	S																2009 water metals WOE2009 Category 3B TF Scenario 8. no new data since 2012 cycle
2DAPP015.51	VAP-J15R_APP01A98	A,B,FPM	JA40	0	2	W	0	2	W	0	2	W	0	1	IN				0	S	0	S	0	S								IM						2009 sed, water metals, no new data since 2012 cycle
2DAPP050.84	VAP-J10R_APP01A98	A,B,FPM	JA28	0	2	W	0	2	W	0	2	W	0	1	W				0	S	0	W	0	S								FS						2009 sed, water metals, no new data since 2012 cycle
2DAPP055.68	VAP-J07R_APP01A98	A,B,FPM	JA23	0	1	W	0	1	W	0	1	W									0	IN										FS						New station 2014 cycle, one data point
2-DAW000.44	VAC-J06R_DAW01A04	TM	JA17																																			No New Data Assessment dropped this cycle
2DBRI007.10	VAC-J05R_BRI01A98	A,B	JA10	0	3	S	0	3	S	0	3	S																				IM						2009/2012 Bio This stream has marginal bank stability, increased sediment deposition, and decent epifaunal substrate. 2009 biologist field notes indicate that the snags were full of sediment and the stream appears to get high flows relatively often.
2-DCR003.00	VAP-H33R_DCR01A98	A	JM74	0	12	S	3	12	IM	0	12	S	2	12	IM																							
2-DCR007.93	VAP-H33R_DCR01B10	A	JM73	0	12	S	1	12	S	0	12	S	0	12	S						0	S																No data since 2010 cycle
2-DCW-30-FOCR	VAP-J16R_DRY01A14	CMON	JA41							0	8	IN																									Chesterfield Water Trends Level II data
2DFSP000.30	VAC-J01R_FSP01A06	FPM,B	JA03	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W								FS						2009 FPM This site was sampled as part of the probabilistic monitoring program.
2DHAW000.81	VAP-J08R_HAW01A12	A,B,FPM	JA27	0	2	W	0	2	W	0	2	W	0	1	W				0	S	0	S	0	S								IN						2009 sed, water metals, no new data since 2012 cycle
2-DKR001.68	VAC-J01R_DKR01A12	A	JA05	0	12	S	0	12	S	0	12	S	4	12	IM																							
2-DMG000.58	VAC-H03R_DMG01A08	TM	JM10										3	12	IM																							NO NEW DATA Remains impaired for bacteria, ALUS assessment drops out
2DNBX002.33	VAP-J09R_NBB01A12	A,B,FPM	JA26	0	3	S	0	3	S	0	3	S	1	1	W				0	S	0	S	0	S								IM						2011 water metals and sediment metals; new station 2014 cycle
2-DNC-5090-USFS	VAC-H02R_DNC01A02	USFS	JM05																													UN						USFS Level III Bio Assessment
2DOTD002.52	VAP-J16R_OTD01A14	A,B	JA41	0	2	S	0	2	S	1	2	IN																				IN						new station 2014 cycle
2-DPC000.59	VAP-J11R_DPC01C02	A,TM	JA33	0	48	S	0	47	S	1	48	S	18	48	IM						0	S																
2-DPC005.20	VAP-J11R_DPC01B00	A,CB,TM	JA32	0	114	S	3	112	S	3	114	S	16	117	IM						0	S																trend station
2-DPC017.07	VAP-J11R_DPC02A00	A	JA29	0	12	S	8	12	IM	0	12	S	1	12	S						0	S																Class VII water
2-DPC019.03	VAP-J11R_DPC02A00	A	JA29	0	49	S	19	48	IM	0	49	S	6	48	IM																							Class VII water
2-DPC021.34	VAP-J11R_DPC02B10	TM,SS	JA29	0	2	S	0	2	S	0	2	S	0	3	S																							No new data since 2010 cycle
2-DPC022.96	VAP-J11R_DPC02B10	TM	JA29	0	2	S	0	2	S	0	2	S	0	3	S																							No new data since 2010 cycle
2-DPR001.00	VAP-H39R_DPR02A00	A	JM84	0	12	S	2	12	IM	1	12	S	5	12	IM																							PWS; no new data since 2012 cycle
2-DRC001.08	VAC-J01R_DRC01A04	A	JA05																		0	W																No New Data, Assessment Drops out
2DRCE001.21	VAC-J04R_RCE01A12	FPM,B	JA11	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W								J						2009 FPM This site was sampled as part of the Probabilistic Monitoring program and is immediately downstream of a dam. The next bridge is approximately 0.25 miles downstream. Non-target due to proximity to dam. Will follow up at nearest bridge if accessible.
2DRCE002.44	VAC-J04R_RCE01A12	B	JA11	0	1	W	0	1	W	0	1	W																				IM						2012 Bio This site has unstable banks and sediment deposition. Habitat availability improved somewhat in the fall. This site was monitored as a follow-up to probabilistic station 2DRCE001.21 that was located on private property and could not be revisited.
2DSDY008.80	VAC-J03R_SDY02A12	A,B	JA14	0	3	S	0	3	S	0	3	S																				IM						2009 & 2012 Bio This stream had marginal bank stability, obvious sediment deposition, and marginal epifaunal substrate. 2009 biologist field notes indicate that every surface was covered in algae. The water was very sluggish and there were beaver dams upstream and downstream.
2DSFT031.72	VAP-J16L_SFT02A98	C	JA41																						2	O	0	S										2005 FT PCB ok, pah ok,pest ok, metals As 1sp(OE) &Hg 1sp(largemouth Bass). Was previously listed as 2-SFT006.10.
2DSTY001.96	VAP-J14R_STY01A08	A	JA39	0	14	S	0	14	S	9	14	IM																										PWS, no new data since 2012 cycle
2DTRO001.88	VAP-J17R_TRO01A00	A,B	JA42	0	2	S	0	2	S	1	2	IN																				FS						new station 2014 cycle
2-DVD000.23	VAC-H08R_DVD01A00	A,B	JM19	0	12	S	0	12	S	0	12	S	4	12	IM						0	S										FS						2012 - New EC Impairment Good riffles with plenty of available habitat.
2-DVS001.23	VAP-H33R_DVS01A00	A	JM71	0	12	S	0	12	S	1	12	S	2	12	IM																							No new data since 2012 cycle
2DWDY005.35	VAP-J11R_WDY01A00	A,B,FPM	JA29	0	4	S	0	4	S	0	4	S	2	2	IM				0	S	0	S	0	S								FS						2009,2010 sed, water metals
2-DYC000.19	VAP-J16L_SFT02A98	L	JA41	0	63	S	3	59	S	1	63	S	0	12	S						0	S											0	2	S	0	2	S	4C: Top 0/31; bottom 3/5; TSIs
2-DYL000.63	VAV-H24R_DYL01A00	A	JR04	0	12	S	0	12	S	0	12	S	1	12	S						0	S																WQS - Basin 2B: Section 10i: Class III: Special Standards:
2-DYL-DOU02-SOS	VAV-H24R_DYL02A10	CMON	JR04																													LP						SOS data Level II WQS - Basin 2B: Section 10: Class VI: Special Standards:
2-DYL-DOU02-SW	VAV-H24R_DYL02A10	CMON	JR04																													FS						Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class IV: Special Standards:
2-DYL-DOU03-SW	VAV-H24R_DYL02A10	CMON	JR04																													FS						Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class IV: Special Standards:

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-DYL-DOU04-SW	VAV-H24R_DYL02A10	CMON	JR04																											FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class IV: Special Standards:
2-DYL-DOY01-SW	VAV-H24R_DYL01A00	CMON	JR04																											J							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-ECH-5100-USFS	VAC-H02R_ECH01A02	USFS	JM05																											UN							USFS Level III Bio Assessment
2-EFK001.55	VAP-H34R_EFK01A10	FPM,B	JM59	0	3	S	0	3	S	0	3	S	0	1	W				0	IN	0	S	0	S							FS							2008 Probmon; 2010 benthics; no new data since 2012 cycle
2-FIN000.81	VAP-H38R_FIN01A98	A,B,SS,TM,TR	JM80	0	38	S	0	38	S	0	38	S	2	36	S						0	IN									FS							PWS; NO3 ok; 2007 and 2008 benthics; Trend analysis - increasing DO, pH - decreasing SC
2-FLA001.95	VAP-J08R_FLA01A00	A,TM	JA27	0	55	S	0	54	S	0	55	S	25	54	IM						0	S																
2-FLA013.95	VAP-J08R_FLA02A02	A,TM	JA25	0	54	S	4	53	S	0	54	S	12	53	IM						0	S																
2-FLA018.71	VAP-J08R_FLA02A02	A	JA25	0	12	S	1	12	S	0	12	S	3	12	IM						0	S																
2-FLA028.98	VAP-J08R_FLA02A02	A,TM	JA24	0	52	S	0	51	S	0	52	S	19	52	IM						0	S																
2-FNK001.12	VAP-J17R_FNK01A00	A	JA44	0	12	S	1	11	S	1	12	IM																										No new data since 2010 cycle
2-FRY000.35	VAC-H21R_FRY02A00	SS	JM51										0	6							0	S																NO NEW DATA Assessment drops out
2-FRY003.00	VAC-H21R_FRY01A00	SS	JM51																																			NO NEW DATA Assessment Drops Out
2-FSG000.85	VAC-H03R_FSG01A00	A,TM	JM11	0	11	S	0	11	S	0	11	S	5	12	IM						0	S	0	S	0	S												Urban Non-Point Source
2-FSH-FSH01-SW	VAV-H26R_FSH01A12	CMON	JR08																											IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-FSH-FSH02-SW	VAV-H26R_FSH01A12	CMON	JR08																											J							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-FSP000.53	VAC-J01R_FSP01A06	A,B,TR	JA03	0	44	S	0	44	S	0	44	S	16	36	IM						0	S									FS							2011 Bio Sedimentation increased in 2006 due to unknown activities. This is a reference stream for the south central region that will be monitored in the future.
2-GDC000.52	VAP-H33R_GDC01A14	SS,B	JM75	0	1	W	0	1	W	0	1	W																			IN							2011-2012 benthics
2-GEN000.69	VAP-H39R_GEN01A00	A	JM82	0	12	S	0	12	S	1	12	S	4	12	IM																							PWS
2-GOC001.19	VAP-J10R_GOC01A08	A	JA28	0	16	S	3	16	IM	2	16	IM	1	16	S						0	S																no new data since 2012 cycle
2-GRA000.40	VAC-H04L_GRA01A02	L	JM08	0	48	S	1	22	S	0	48	S									0	S	0	S	0	S						0	1	IN	0	1		2002 Graham Creek Reservoir - No New Data 2006 FC bacteria: 0/7 = S Algaecides Applied Only one sampling year
2-GRA002.89	VAC-H04R_GRA02A02	A	JM08																																			No New Data! 2006 FC bacteria: 2/3 = IM
2-GRD001.62	VAC-H21R_GRD01A08	A	JM51	0	12	S	0	12	S	2	12	IM	3	12	IN						0	S																
2-GRF000.98	VAC-J06R_GRF01A04	A	JA16	0	12	S	0	12	S	0	12	S	7	12	IM						0	S																
2GRF-GRE16-CVW	VAC-J06R_GRF01A04	CMON	JA16										31	56	IM																							Clean Virginia Waterways Station
2GSK-APP-CVW	VAC-J01R_GSK01A08	CMON	JA09										3	11	IM																							Clean Virginia Waterways Station
2GSK-BLA-CVW	VAC-J01R_GSK01A08	CMON	JA09										4	20	IM																							Clean Virginia Waterways Station
2GSK-GORRVS-CVW	VAC-J01R_XZO01A08	CMON	JA09										12	35	IM																							Clean Virginia Waterways Station
2GSK-GRO2-CVW	VAC-J01R_GSK01A08	CMON	JA09										38	54	IM																							Clean Virginia Waterways Station
2GSK-GRO3-CVW	VAC-J01R_GSK01A08	CMON	JA09										32	48	IM																							Clean Virginia Waterways Station
2GSK-GRO4-CVW	VAC-J01R_GSK01A08	CMON	JA09										29	41	IM																							Clean Virginia Waterways Station
2GSK-GROCL-CVW	VAC-J01R_GSK01A08	CMON	JA09										3	11	IM																							Clean Virginia Waterways Station
2GSK-GROFRA-CVW	VAC-J01R_XZO01A08	CMON	JA09										19	24	IM																							Clean Virginia Waterways Station
2GSK-GROLWA-CVW	VAC-J01R_XZO01A08	CMON	JA09										14	31	IM																							Clean Virginia Waterways Station
2GSK-GROLWU-CVW	VAC-J01R_XZO01A08	CMON	JA09										18	43	IM																							Clean Virginia Waterways Station
2GSK-GROPUT-CVW	VAC-J01R_GSK01A08	CMON	JA09										28	43	IM																							Clean Virginia Waterways Station
2GSK-GRORSA-CVW	VAC-J01R_XZO01A08	CMON	JA09										4	7	IM																							Clean Virginia Waterways Station
2GSK-GRORSS-CVW	VAC-J01R_XZO01A08	CMON	JA09										0	4	S																							Clean Virginia Waterways Station
2-HAK001.34	VAV-H18R_HAK01A00	A	JM47	0	12	S	0	12	S	0	12	S	1	12	S																							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-HAK-8-TJSWCD	VAV-H18R_HAK01A00	CMON	JM47	0	13	S							1	27	IN																							TJSWCD Level II Coli-scan Data WQS - Basin 2B: Section 10: Class III: Special Standards
2-HAT000.14	VAV-H09R_HAT01A04	A,B	JM23	0	34	S	0	33	S	0	34	S	12	30	IM						0	S									IM							WQS - Basin 2B: Section 11d: Class III: Special Standards:
2-HAZ000.04	VAC-H04R_HAZ01A00	A	JM08	0	12	S	0	12	S	0	12	S	1	12	S						0	S	0	S	0	S												
2-HAZ006.34	VAC-H04R_HAZ01A00	FPM	JM08																0	W																		No New Data - Assessment drops out 2001 Probabilistic Monitoring
2-HAZ007.16	VAC-H04R_HAZ01A00	A,B	JM08	0	14	S	0	14	S	0	14	S									0	S									J							2011 Bio Field notes indicate that habitat is lacking and/or unstable. The channel was mostly very wide and uniformly shallow, and the leaf packs were full of sand. Ammonia Special Study
2-HAZ010.92	VAC-H04R_HAZ02A08	A	JM08	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																
2-HCH004.81	VAC-H36R_HCH01A04	A	JM67	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																
2-HEN-HEN01-SW	VAV-H29R_HEN01A12	CMON	JR17																											J							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-HNF000.10	VAV-H18R_HNF01A00	A	JM46	0	12	S	0	12	S	0	12	S	3	12	IM																							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-HNF005.03	VAV-H18R_HNF01A00	A	JM46	0	12	S	0	12	S	0	12	S	2	12	IM																							WQS - Basin 2B: Section 10: Class III: Special Standards:

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-HNF-10-TJSWCD	VAV-H18R_HNF01A00	CMON	JM46	0	13	S							14	28	IN/O																							TJSWCD Level II Coli-scan Data WQS - Basin 2B: Section 10: Class III: Special Standards
2-HNF-7-TJSWCD	VAV-H18R_HNF01A00	CMON	JM46	0	13	S							3	28	IN/O																							TJSWCD Level II Coli-scan Data WQS - Basin 2B: Section 10: Class III: Special Standards
2-HNF-9-TJSWCD	VAV-H18R_HNF01A00	CMON	JM46	0	13	S							3	28	IN/O																							TJSWCD Level II Coli-scan Data WQS - Basin 2B: Section 10: Class III: Special Standards
2-HNS-11-TJSWCD	VAV-H18R_HNS01A08	CMON	JM46	0	13	S							5	27	IN/O																							TJSWCD Level II Coli-scan Data WQS - Basin 2B: Section 10: Class III: Special Standards
2-HRD-02-TJSWCD	VAV-H19R_HRD01A00	CMON	JM49	0	13	S							2	28	IN																							TJSWCD Level II Coli-scan Data WQS - Basin 2B: Section 11: Class III: Special Standards
2-HRD-03-TJSWCD	VAV-H19R_HRD01A00	CMON	JM49	0	13	S							5	27	IN/O																							TJSWCD Level II Coli-scan Data WQS - Basin 2B: Section 11: Class III: Special Standards
2-HRD-4-TJSWCD	VAV-H19R_HRD02A10	CMON	JM48	0	13	S							1	28	IN																							TJSWCD Level II Coli-scan Data WQS - Basin 2B: Section 11: Class III: Special Standards
2-HRD-5-TJSWCD	VAV-H19R_HRD02A10	CMON	JM48	0	13	S							2	27	IN																							TJSWCD Level II Coli-scan Data WQS - Basin 2B: Section 11: Class III: Special Standards
2-HRD-6-TJSWCD	VAV-H19R_HRD02A10	CMON	JM48	0	13	S							3	28	IN/O																							TJSWCD Level II Coli-scan Data WQS - Basin 2B: Section 11: Class III: Special Standards
2-HRE000.44	VAC-J01R_HRE01A04	A,TM	JA05	0	11	S	0	11	S	0	11	S	3	11	IM						0	S																Appomattox River Basinwide TMDL Study
2-HRP000.42	VAC-J06R_HRP01A00	TM,B,SS	JA18	0	7	S	0	7	S	0	7	S	2	10	IM						1	O									IM			IN/O				1 Violation Chronic NH4 Observed Effects 2007-2012 Bio Small, sandy stream in low area that is likely inundated often and may dry during drought. The benthic macroinvertebrate population is probably influenced by these flow fluctuations. Habitat scores were low for sediment deposition, pool variability, bank stability, bank vegetative protection and epifaunal substrate. SCI scores straddled the impairment threshold until 2012. Sediment and organic pollution are likely stressors in this stream.
2-HUS001.88	VAC-H22R_HUS01A06	FPM	JM57																0	W																	No New Data - Assessment Drops Out 2004 Probabilistic Monitoring
2-HUS002.24	VAC-H22R_HUS01A06	A	JM57	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																2014 - New Bacteria Impairment
2-IVA000.05	VAC-H03R_IVA01A00	A,B	JM09	0	4	S	0	4	S	0	4	S									0	W									IM							2007 & 2011 Bio Ivy Creek had very low flow during the spring 2007 sampling event. Ivy Creek is an urban stream with obvious dumping of trash and debris, including bricks, tires, and metal objects. The upstream portion of the sample reach has homes, lawns, and construction present up to the edges of the banks.
2-IVA000.22	VAC-H03R_IVA01A00	A,TM	JM09	0	12	S	0	12	S	0	12	S	2	12	IM						0	S	0	S	0	S												Urban Non-point Source
2-IVA005.43	VAC-H03R_IVA01A00	A	JM09	0	13	S	0	13	S	0	13	S	2	12	IM						0	S																
2-IVA005.75	VAC-H03R_IVA01A00	A,B	JM09	0	3	S	0	3	S	0	3	S									0	W									FS							2007 & 2011 Bio Ivy Creek flows through a city park and has high sediment deposition, however, satellite imagery shows that much of the upstream riparian zone is wooded or consists of fields and low intensity residential areas. Additional development will threaten the biological integrity of this stream.
2-IVA006.38	VAC-H03R_IVA01A00	TM	JM09	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																No New Data
2-RBT000.59	VAC-H02R_RBT01A00	B	JM04	0	1	W	0	1	W	0	1	W																			FS							2010 Bio - Fall Only Tier III stream in National Forest
2-RCC000.91	VAV-H31R_RCN01A08	A,B	JR22	0	3	S	0	3	S	0	3	S																			FS							WQS - Basin 2B: Section 11: Class III: Special Standards:
2-RCC-RCN01-SW	VAV-H31R_RCN01A08	CMON	JR22										0	8	IN																FS							Stream Watch Benthic Data Level III; Bacteria Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-RCH001.25	VAV-H27R_RCH01A00	A,B	JR09	0	4	S	0	4	S	0	4	S																			FS							WQS - Basin 2B: Section 10o: Class III: Special Standards: 2008 FC bacteria 1/12 = S
2-RCH-RCH01-SOS	VAV-H27R_RCH01A00	CMON	JR09																												LP							SOS data Level II WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-RCH-RCH01-SW	VAV-H27R_RCH01A00	CMON	JR09										0	8	IN																FS							Stream Watch Benthic Data Level III; Bacteria Level II WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-RCH-RHU01-SW	VAV-H27R_RCH01A00	CMON	JR09																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-RCN-RCN01-SOS	VAV-H31R_RCN01A08	CMON	JR22																												LP							SOS data Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-RDC-5-RVF	VAV-H15R_RFS01A00	CMON	JM37										1	7	IN/O																							Coli-scan data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RDD000.19	VAP-H39R_RDD01C10	TM	JM86	0	6	S	0	6	S	0	6	S																										No data since 2010 cycle
2-RDD000.76	VAP-H39R_RDD01C10	A	JM86	0	13	S	0	13	S	0	13	S	4	11	IM																							
2-RDD000.99	VAP-H39R_RDD01B10	TM	JM86	0	1	W	0	1	W	1	1	W																										high pH; no data since 2010 cycle - prev pH impairment
2-RDD001.57	VAP-H39R_RDD01A00	TM	JM86	0	14	S	0	13	S	1	14	S	3	3	IM																							No data since 2010 cycle
2-RDD003.61	VAP-H39R_RDD01A00	TM	JM86	0	1	W	1	1	W	0	1	W																										No data since 2010 cycle - prev DO impairment
2-RDD-RC1-ACB	VAP-H39R_RDD01C10	CMON	JM86	0	12	S	0	11	S	0	13	S	7	12	IM																			8				ACB - Level 3
2-RDD-RC3-ACB	VAP-H39R_RDD01A00	CMON	JM86	0	11	S	2	10	IM	0	11	S	7	11	IM																			8				ACB - level 3; co-located with 2-RDD001.57
2-RDD-RC4-ACB	VAP-H39R_RDD01A00	CMON	JM86	0	11	S	0	11	S	0	12	S	5	11	IM																			8				ACB - level 3

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-RED000.16	VAW-H01R_RED01A00	A,TM	JM02	0	12	S	0	12	S	0	12	S	6	12	IM				0	S	0	S																No additional data beyond the 2008 IR. Reed Cr. Bacteria TMDL Study Approved 06/21/2004 [Fed. ID. 7763 / 21565] and SWCB approved 12/02/2004 for these 1998 303(d) Listed waters.
2-RED003.65	VAW-H01R_RED01A00	FPM,B	JM02	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							FW08VA009- 2 surveys 2011. Avg. VSCI 66.3. No 2011 sediment PEC SV excursions- metals only.
2-RED005.36	VAW-H01R_RED01A00	TM	JM02	0	3	S	0	3	S	0	3	S	3	3	IM						0	S																No additional data beyond the 2008 IR. Reed Cr. Bacteria TMDL Study Approved 06/21/2004 [Fed. ID. 7763 / 21565] and SWCB approved 12/02/2004 for these 1998 303(d) Listed waters.
2-RED008.22	VAW-H01R_RED01A00	TM	JM02	0	3	S	0	3	S	0	3	S	1	3	IM						0	S																No additional data beyond the 2008 IR. Reed Cr. Bacteria TMDL Study Approved 06/21/2004 [Fed. ID. 7763 / 21565] and SWCB approved 12/02/2004 for these 1998 303(d) Listed waters.
2-REY000.54	VAP-J17R_REY01A10	TM,A	JA42	0	12	S	0	11	S	0	12	S																										No new data since 2010 cycle
2-RFD002.58	VAP-J07R_RFD01A00	A	JA22	0	12	S	0	12	S	0	12	S	6	12	IM						0	S																
2-RFN000.52	VAV-H15R_RFN01A00	A	JM36	0	34	S	0	31	S	0	34	S	13	36	IM																								WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RFN-14-NCMG	VAV-H15R_RFN01A00	CMON	JM36										1	5	IN/O																								Coli-scan data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RFS001.00	VAV-H15R_RFS01A00	A	JM37	0	35	S	0	32	S	0	35	S	8	35	IM																								WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RFS004.40	VAV-H15R_RFS01A00	A,B	JM37	0	5	S	0	5	S	0	5	S																			FS							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RFS-1-RVF	VAV-H15R_RFS01A00	CMON	JM37										0	7	IN																								Coli-scan data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
B5	VAC-H11R_ZZZ01A00	CMON	JM28										0	1	W																								Sweet Briar College Station
B8	VAC-H11R_ZZZ01A00	CMON	JM28										0	1	W																								Sweet Briar College Station
B9	VAC-H11R_ZZZ01A00	CMON	JM28										0	1	W																								Sweet Briar College Station
M2	VAC-H11R_MIN01A08	CMON	JM29										0	1	W																								Sweet Briar College Station
P1	VAC-H11R_PPY01A06	CMON	JM28										1	1	IN																								Sweet Briar College Station E Coli Result Too Numerous To Count 6/17/2004 - Category 3B
SCL-BD	VAP-J17L_SFT01A98	NONA	JA42										2	31	S																								DCR Level III data
SCL-BR	VAP-J17L_SFT01A98	NONA	JA42										1	31	S																								DCR Level III data
SCL-CD	VAP-J17L_SFT01A98	NONA	JA42										1	31	S																								DCR Level III data
TF5.2	VAP-G01E_JMS01A02	NONA	JM86		130	NA		126																											34			45			VECOS
2-IVA012.13	VAC-H03R_IVA01A00	A,B,TM	JM09	0	24	S	0	24	S	0	24	S	4	21	IM						0	S									IM							Lynchburg Area Bacteria TMDL Study 2007/2011 Bio Heavy, fresh sediment deposition noted in stream at time of sampling. Available habitat was heavily embedded in sediment. This watershed is being rapidly developed and will likely degrade further due to increased runoff from new neighborhoods.
2-IVC005.19	VAV-H26R_IVC02A00	A,B	JR07	0	3	S	0	3	S	0	3	S																			IM							WQS - Basin 2B: Section 10j: Class III: Special Standards:
2-IVC008.09	VAV-H26R_IVC02A00	A	JR07	0	12	S	0	12	S	0	12	S	4	12	IM																								WQS - Basin 2B: Section 10j: Section III: Special Standards: PWS
2-IVC010.20	VAV-H26R_IVC03A00	A,B	JR07	0	5	S	0	5	S	0	5	IM									0	W									IM							WQS - Basin 2B: Section 10j: Class III: Special Standards: pH Impaired in 2014, remains impaired due to no new data. Water toxics not assessed based on only one sample available for assessment.
2-IVC-IVC01-SOS	VAV-H26R_IVC02A00	CMON	JR07																												HP							SOS data Level II WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-IVC-IVC01-SW	VAV-H26R_IVC02A00	CMON	JR07										0	8	IN																IM							Stream Watch Benthic Data Level III; Bacteria Level II WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-JAK-JCK01-SW	VAV-H30R_JAK01A12	CMON	JR18																												IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10s: Class III: Special Standards: PWS
2-JCB000.80	VAV-H27L_JCB01A08	L	JR11	0	136	S	0	52	S	0	136	S	0	12	S						0	S													0	2		Fully Supporting for nutrients in 2014. DO impairment de-listed in 2010 due to inclusion of lake in 187 Standard. DO only assessed in epilimnion. WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-JCB-JAC01-SW	VAV-H29R_JCB01A12	CMON	JR16																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10m: Class III: Special Standards: PWS
2-JMP-JMU01-SW	VAV-H26R_JMP02A12	CMON	JR07																												J							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-JMS110.30	VAP-G01E_JMS01A02	A,CB,TR,SS	JM86		72	NA		68		0	72	S	14	69	IM						0	S														69		Trend Station - (station actually slightly tidal)
2-JMS110.34	VAP-H39R_JMS03A98	B,TM	JM86	0	81	S	0	81	S	0	81	S	20	69	IM						1	O									FS							2007-2010 benthics; 2009 PCB study - 2 samples - 1 of which exceeded HH, <ALUS
2-JMS110.44	VAP-H39R_JMS03A98	B,TM	JM86	0	93	S	0	93	S	0	93	S	27	81	IM						0	S									FS							2007-2012 benthics; 2009 PCB study - 1 sample - ok; E. coli geomean 1/1 but 3 out of 4 were nondetects
2-JMS110.90	VAP-H39R_JMS03A98	TM	JM86	0	1	W	0	1	W	0	1	W	1	1	W																								No new data since 2012 cycle
2-JMS111.17	VAP-H39R_JMS03A98	TM	JM86	0	51	S	0	51	S	0	50	S	14	51	IM																								E. coli geomean 1/3 (OE), but lot of nondetects
2-JMS111.47	VAP-H39R_JMS03A98	TM	JM86	0	39	S	0	39	S	0	39	S	9	39	IM																								
2-JMS111.48	VAP-H39R_JMS03B14	TM	JM86	0	47	S	7	47	IM	0	47	S																											
2-JMS112.33	VAP-H39R_JMS03A98	TM	JM86	0	39	S	0	39	S	0	39	S	9	39	IM																								
2-JMS112.37	VAP-H39R_JMS03A98	TM	JM86	0	58	S	1	58	S	1	58	S																											high pH
2-JMS112.79	VAP-H39R_JMS03A98	A,TM	JM86	0	51	S	0	51	S	2	51	S	10	51	IM																								high pH

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-JMS113.20	VAP-H39R_JMS03A98	CB	JM86	0	72	S	0	72	S	0	71	S	1	6	S						0	S																high pH; no E. coli data since 2010 cycle
2-JMS115.29	VAP-H39R_JMS02A98	A,B,TM	JM86	2	94	S	0	94	S	1	93	S	6	81	S						0	S									FS							2007-2012 benthics; E. coli geomean 0/3
2-JMS117.35	VAP-H39R_JMS01A98	A,CB,TR	JM86	0	35	S	0	35	S	1	35	S	4	35	IM																							Trend Station; PWS
2-JMS123.79	VAP-H39R_JMS01A98	A	JM85	0	2	S	0	2	S	0	2	S	1	2	IN																							
2-JMS127.50	VAP-H39R_JMS02B04	A,SS	JM83	0	3	S	0	3	S	0	3	S									0	S																PWS; no new data since 2012 cycle
2-JMS140.00	VAP-H38R_JMS02A04	A,SS	JM78	0	4	S	0	4	S	0	4	S																										No new data since 2012 cycle
2-JMS152.10	VAP-H33R_JMS01A98	FPM,B	JM72	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S	0	S							FS							2008 Probmon; no data since 2010 cycle
2-JMS154.44	VAP-H33R_JMS01A98	FPM,B	JM72	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S	0	S							FS							2007 Probmon; no data since 2010 cycle
2-JMS157.28	VAP-H33R_JMS01A98	A,CB,TM,TR	JM72	0	133	S	0	132	S	1	132	S	1	12	S						0	S																Trend Station - increasing chlorophyll a, pH - decreasing TN; no E. coli collected since 2010 cycle
2-JMS176.63	VAC-H20R_JMS01A02	A,C,TR	JM58	0	46	S	0	46	S	0	46	S	8	36	IM						0	S	0	S	0	S	0	S	0	S	1	IM							Trend Analysis Performed - Statistically significant trends were detected for pH (increasing) 2005 FT/Sed Station PCBs - 2 Species James River PCB Fishing Advisory
2-JMS182.94	VAC-H17R_JMS01A00	A	JM45	0	3	S	0	3	S	0	3	S	0	3	S						0	S																
2-JMS189.31	VAC-H17R_JMS01A00	A,TR	JM45	0	45	S	0	45	S	0	45	S	4	36	IM						0	S																Trend Analysis Performed - Statistically significant trends were detected (TP, decreasing)
2-JMS-1-CWT	VAP-H39R_JMS01A98	CMON	JM85	1	132	IN	0	134	IN	0	145	IN																										previously 2JMS-FOCRROB-ALL - Chesterfield WaterTrends - level 2
2-JMS201.34	VAC-H14R_JMS01A00	A	JM35	0	12	S	0	12	S	0	12	S	1	12	S						0	S																
2-JMS211.77	VAC-H14R_JMS01A00	A	JM35																																			
2-JMS213.00	VAC-H14R_JMS01A00	C	JM35																				0	S	0	S	1	IM	1	IM								2005 FT/Sediment - Hg 2 Species, PCBs 3 Species James River PCB Fishing Advisory New FT Impairment for Mercury
2-JMS229.14	VAC-H08R_JMS01A00	A,TR	JM20	0	12	S	0	12	S	0	12	S	3	12	IM						0	S	0	S	0	S												Trend Analysis Performed - Statistically significant trends were detected for Nitrogen Oxides (declining) and Total Phosphorous (declining) USGS Temperature Data Level III - 0/11
2-JMS258.54	VAC-H03R_JMS01A00	A,C,TR	JM11	0	41	S	0	41	S	1	41	S	9	36	IM						0	S	0	S	0	S	1	O	4	IM				O				01 PCB 4 Species 2005 FT/Sediment Hg 1 Species, PCBs 4 Species James River PCB Fishing Advisory Trend Analysis Performed - Statistically significant trends were detected in Bacteria (declining), DO (increasing), and Nitrogen Oxides (declining) 2006 Observed Effects - Carry over (2008 - TP = 3/50)
2-JMS267.47	VAC-H03R_JMS06A02	C	JM07																				0	S	0	S	0	S	0	S								2001 FT/Sed
2-JMS270.84	VAC-H03R_JMS06A02	A,TR	JM07	0	41	S	0	41	S	0	41	S	4	36	IM						0	S												O				2006 Observed effects - carry over (2008 - 2/34) USGS Temperature Data Level III - 0/9
2-JMS275.75	VAW-H01R_JMS02A00	A,TR	JM03	0	36	S	0	36	S	0	36	S	3	36	S						0	S	0	S	0	S												VDH Fish Consumption Advisory PCB 2004. Bacteria 1998 303(d) De-list in 2002. Trend Analysis.
2-JMS279.41	VAW-H01R_JMS04A00	CB,C,TR	JM01	0	119	S	0	116	S	0	118	S	1	48	S						0	S	0	S	0	S	2	IM										CB Trend. '05 FT/Sed total arsenic (As) [Apx E-2] 1 sp. and mercury (Hg) [Apx E-1] 2 sp. (SM Bass @ 0.46 ppm & LM Bass @ 0.40 ppm); lead (Pb) detected 2 sp.; sediment no PEC exceedances. Field data integrated horizontally; chem data vertically.
2-JMS282.28	VAW-H01R_JMS04A00	A,TR	JM01	0	36	S	0	36	S	0	36	S	6	36	S						0	S	0	S	0	S												Bacteria 1998 303(d) De-list in 2002. Trend Analysis.
2JMS-35-ALL	VAP-H39R_JMS03A98	CMON	JM86	0	42	S	0	42	S	0	13	S	5	11	IN/O																							ACB station - Level 3 temp, pH, DO; additional Level 2 pH
2-JMS-53-ACB	VAP-H39R_JMS01A98	CMON	JM86	1	19	S	0	18	S	0	15	S																										ACB - level 3
2-JOD-12-CWT	VAP-G02R_JOD01A04	CMON	JA45	0	7	IN	0	8	IN	0	12	IN																										Chesterfield Water Trends - level II
2-JOH004.04	VAP-H39R_JOH01A08	A	JM81	0	12	S	0	12	S	0	12	S	3	11	IM																							No new data since 2012 cycle
2-JOH004.23	VAP-H39R_JOH01A08	TM,B	JM81	0	1	W	0	1	W	0	1	W																			IM							PWS; 2012 benthics FS, but only sampled once and insufficient to delist previous benthic impairment
2-JTH001.52	VAC-H03R_JTH01A06	A,B,TM	JM07	0	16	S	0	16	S	0	16	S	1	12	IM						0	S									FS							No New Data - remains impaired 2008-2010 Bio
2-JTH006.53	VAC-H03R_JTH01A06	A,B	JM07	0	16	S	0	16	S	0	16	S	8	12	IM						0	S									IM							2008/2011 Bio This stream is small and has unstable banks with little vegetative protection.
2-LCH-LCH01-SOS	VAV-H27R_LYN01A04	CMON	JR09																											LP							SOS data Level II WQS - Basin 2B: Section 10o: Class III Special Standards: PWS
2-LDJ000.60	VAP-J11L_LDJ01A98	L	JA30	0	96	S	1	40	S	7	96	S	0	14	S						0	S													0	2	S	PWS;No new data since 2012 cycle.
2-LDJ002.96	VAP-J11R_LDJ01A10	TM,A	JA30	0	43	S	0	42	S	2	43	S	12	42	IM																							
2-LIA000.50	VAP-J17R_LIA01A10	A,B,TM	JA43	0	26	S	0	24	S	1	24	S	3	12	IM						0	S									IN							Benthic(category 3B/insufficient info see fact sheet) No new data since 2010 cycle
2-LID001.90	VAC-J06R_LID01A00	A	JA18	0	12	S	0	12	S	0	12	S	1	12	S						0	S																
2-LIF000.08	VAC-H02R_LIF01A02	A,B	JM05	0	5	S	0	5	S	0	5	S																			FS							2008-2010 Bio This monitoring station on Little Irish Creek was completely dry one month before sampling occurred in 2008 and typically dries completely each summer.
2-LIF000.62	VAC-H02R_LIF01A02	A,B	JM05	0	5	S	0	5	S	0	5	S																			FS							2008-2010 Bio Excellent habitat and bank stability. Site located in National Forest.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-LIF-5115-USFS	VAC-H02R_LIF01A02	USFS	JM05																											UN							USFS Level III Bio Assessment
2-LIH005.28	VAP-H37R_BLG01A98	A,B,SS	JM76	0	13	S	1	13	S	1	13	S	3	12	IM						0	S									IN							No data since 2010 cycle; 2008 benthics
2-LIT002.40	VAC-J03R_LIT01A02	A,B,SS,TM	JA14	0	14	S	0	14	S	0	14	S	1	12	S						0	S									FS							Hog Farm Special Study Station 2009 Bio - FS
2-LIT004.77	VAC-J03R_LIT01A02	FPM,B	JA14	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S									J							2012 Probmon Biologist notes indicated heavy algae growth was clogging the riffles and an upstream beaver dam was affecting the flow. This stream also had unstable banks, and excessive sedimentation.
2-LIT005.43	VAC-J03R_LIT01A02	TM	JA14	0	12	S	0	12	S	0	12	S	4	12	IM																							NO NEW DATA Appomattox River Basinwide TMDL Study
2-LIU000.70	VAC-J06R_LIU01A02	TM	JA15										5	10	IM																							NO NEW DATA Appomattox Basin TMDL
2-LIU002.75	VAC-J06R_LIU01A02	TM	JA15										4	10	IM																							NO NEW DATA Appomattox Basin TMDL
2LIU-SAY5-CVW	VAC-J06R_LIU01A02	CMON	JA15										33	59	IM																							Clean Virginia Waterways Station Formerly 2LIU-A-CVW
2LIU-SAY6-CVW	VAC-J06R_LIU01A02	CMON	JA15										19	39	IM																							Clean Virginia Waterways Station Formerly 2LIU-B-CVW
2-LIX-33-FOCR	VAP-J16R_LIX01A14	CMON	JA41	0	7	IN	0	7	IN	0	7	IN																										Chesterfield Water Trends Level II data
2-LIY001.73	VAP-H39R_LIY01A00	A	JM84	0	11	S	2	11	IM	1	11	S	6	11	IM																							PWS
2-LJC-LJC01-SOS	VAV-H29R_LJC01A12	CMON	JR16																												MP							SOS data Level II WQS - Basin 2B: Section 10m: Class III: Special Standards: PWS
2-LKN000.02	VAV-H23R_LKN01A00	A,B	JR02	0	10	S	0	10	S	0	10	S	1	6	IN																IM							WQS - Basin 2B: Section 10h: Class III: Special Standards:
2-LKN-01-SOS	VAV-H23R_LKN01A00	CMON	JR02																												LP							SOS data Level II WQS - Basin 2B: Section 10h: Class III: Special Standards:
2-LKN-LKN01-SW	VAV-H23R_LKN01A00	CMON	JR02										1	8	IN/O																IM							Stream Watch Benthic Data Level III; Bacteria Level II WQS - Basin 2B: Section 10h: Class III: Special Standards:
2-LLI000.58	VAP-H38R_LLI01A12	A	JM78	0	12	S	0	12	S	2	12	IM	2	11	IM																							No new data since 2012 cycle
2-LNS000.69	VAP-J17R_LNS01A10	TM,A	JA44	0	11	S	0	10	S	6	11	IM																										No new data since 2010 cycle
2-LOB000.37	VAC-H11R_LOB01A04	FPM,B	JM28	0	27	S	0	27	S	2	27	S							0	W	0	S	0	W	0	W					IM							2009-2012 Bio TMDL Sampling This stream has embedded riffles, noticeable sediment deposition, and is bordered on one side by a cow pasture. 2001 Probabilistic Monitoring Seasonal difference noted for biological sampling.
2-LSD001.24	VAV-H31R_LSD01A02	A,B	JR22	0	2	S	0	2	S	0	2	S																			FS							WQS - Basin 2B: Section 11: Class III: Special Standards:
2-LSD-LSD01-SOS	VAV-H31R_LSD01A02	CMON	JR22																												LP							SOS data Level II WQS - Basin 2B: Section 11: Class III: Special Standards: PWS
2-LSD-LSD01-SW	VAV-H31R_LSD01A02	CMON	JR22																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 11: Class III: Special Standards:
2-LTA001.23	VAP-J11R_LTA01A00	A	JA29	0	11	S	0	11	S	0	11	S	1	12	S																							no new data since 2012 cycle
2-LTC001.35	VAP-J15R_LTC01A08	A	JA40	0	12	S	0	12	S	0	12	S	3	12	IM																							no new data since 2012 cycle
2-LTD000.96	VAC-H17R_LTD01A02	TM	JM45																																			Little Georgia Creek TMDL - VRO No New Data
2-LTJ000.16	VAC-H05R_LTJ01A10	TM	JM12	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																
2-LTP002.00	VAP-H34R_LTP01A04	A,B	JM61	0	10	S	0	10	S	0	10	S									0	S									FS							2011 benthics
2-LTU000.02	VAC-H11R_LTU01A02	A,B	JM28	0	2	S	0	2	S	0	2	S																			FS							2010 Bio Tier III stream in National Forest
2-LWW004.14	VAC-H35R_LWW01A08	A	JM65	0	24	S	3	24	IM	0	24	S	5	24	IM						0	S																2014 - New DO Impairment
2-LYN002.77	VAV-H27R_LYN01A04	A,B	JR09	0	1	W	0	1	W	0	1	W																			FS							WQS - Basin 2B: Section 10o: Class III: Special Standards:
2-LYN-LCH01-SW	VAV-H27R_LYN01A04	CMON	JR09																												J							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-MAN000.19	VAP-H39R_MAN01A12	TM	JM86	0	2	S	0	2	S	0	2	S	2	2	IM						1	IN/O																Manchester Canal; 2009 PCB study - >HH WQS - ALUS ok
2-MAR-MSH01-SW	VAV-H27R_MAR01A10	CMON	JR11																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-MAR-XZY01-SOS	VAV-H27R_MAR01A10	CMON	JR11																												LP							SOS data Level II WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-MAR-XZY01-SW	VAV-H27R_MAR01A10	CMON	JR11										4	8	IN/O																IM							Stream Watch Benthic Data Level III; Bacteria Level II WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-MBN000.96	VAC-J03L_SDY01A06	L	JA14	0	171	S	7	95	S	0	171	S	0	21	S						0	S													0	3		2008-2009/2011 Sandy River Reservoir Pooled Data: DO 25/275
2-MCK000.40	VAV-H30R_MCK01A00	A	JR18	0	12	S	0	12	S	0	12	S	0	12	S																							WQS - Basin 2B: Section 11: Class III: Special Standards:
2-MCK007.47	VAV-H30R_MCK02A10	A,B	JR18	0	4	S	0	4	S	0	4	S																			IM							Site has degraded for benthics since 2010 assessment. WQS - Basin 2B: Section 10s: Class III: Special Standards: PWS
2-MCK011.68	VAV-H30R_MCK02A10	A,B	JR18	0	10	S	0	10	S	0	10	S	0	6	S																FS							WQS - Basin 2B: Section 10s: Class III: Special Standards: PWS
2-MCK-2-SOS	VAV-H30R_MCK01A00	CMON	JR18																												LP							SOS data Level II WQS - Basin 2B: Section 10s: Class III: Special Standards: PWS
2-MCK-MCK02-SW	VAV-H30R_MCK02A10	CMON	JR18																												IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10s: Class III: Special Standards: PWS
2-MCK-MCV01-SOS	VAV-H30R_MCK02A10	CMON	JR18																												HP							SOS data Level II WQS - Basin 2B: Section 10s: Class III: Special Standards: PWS

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-MCK-MCV01-SW	VAV-H30R_MCK02A10	CMON	JR18										0	8	IN																FS							Stream Watch Benthic Data Level III; Bacteria Level II WQS - Basin 2B: Section 10s: Class III: Special Standards: PWS
2-MCM000.92	VAV-H23R_MCM01A00	A,B	JR02	0	4	S	0	4	S	0	4	S																			FS							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MCM003.32	VAV-H23R_MCM01A00	A,B,FPM	JR02	0	3	S	0	3	S	0	3	S	0	1	W				0	S	0	S	0	S							FS							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MCM005.12	VAV-H23R_MCM01A00	A,TR	JR02	0	69	S	0	68	S	0	67	S	13	70	IM						0	S																WQS - Basin 2B: Section 10: Class III: Special Standards:Trend analysis was performed at station 2-MCM005.12 in the 2006 cycle. Statistically significant trends were detected for the following parameter(s): Nitrogen (declining trend); Oxidized N
2-MCM010.84	VAV-H23R_MCM01A00	A	JR02	0	6	S	0	6	S	0	6	S	0	6	S																							WQS - Basin 2B: Section 10h: Class III: Special Standards:
2-MCM018.92	VAV-H23R_MCM02A00	A,B	JR01	0	39	S	0	37	S	0	39	S	11	34	IM																IM							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MCM-MCM04-SOS	VAV-H23R_MCM01A00	CMON	JR02																												LP							SOS data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MCM-MCM04-SW	VAV-H23R_MCM01A00	CMON	JR02																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MCM-MCM11-SW	VAV-H23R_MCM01A00	CMON	JR02																												IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MCU002.95	VAP-H39R_MCU01A12	A	JM83	0	12	S	0	12	S	1	12	S	4	12	IM																							No new data since 2012 cycle
2-MEA000.75	VAC-H21R_MEA01A08	TM	JM52																																			
2-MFK000.93	VAP-H34R_MFK01A06	A,B	JM59	0	3	S	0	3	S	0	3	S																			FS							VRO 2007-2012 benthic site
2-MIN000.98	VAC-H11L_MIN01A06	L	JM29	0	117	S	2	49	S	16	117	IM	0	14	S						0	S													1	2		2011/2012 Mill Creek Reservoir
2-MIN002.00	VAC-H11L_MIN01A06	C	JM29																									1	O	0	S							2005 FT/Sediment - As 2 Species (OE)
2-MIN002.25	VAC-H11R_MIN01A08	SS,CR	JM29	0	12	S	0	12	S	0	12	S	5	12	IM																							Citizen Monitoring Follow-up (Sweet Briar Bacteria Study)
2-MLY005.39	VAC-H14R_MLY01A14	B	JM34	0	1	W	0	1	W	1	1	IN																			J							2012 Bio This site had optimal habitat but may have been affected by high flow events prior to sampling.
2-MNF-MNF02-SW	VAV-H24R_MNF01A00	CMON	JR03																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10i: Class VI: Special Standards:
2-MNR000.39	VAV-H24R_MNR01A00	A	JR05	0	12	S	0	12	S	0	12	S	1	12	S						0	S																WQS - Basin 2B: Section 10i: Class III: Special Standards:
2-MNR011.69	VAV-H24R_MNR01A00	A	JR03	0	12	S	0	12	S	0	12	S	0	12	S						0	S																WQS - Basin 2B: Section 10i: Class III: Special Standards:
2-MNR014.50	VAV-H24L_MNR01A04	L	JR03	0	99	S	0	28	S	0	99	S	0	7	S						0	S													0	1		Only one year of Chlor A data, unable to assess for nutrients. WQS - Basin 2B: Section 10i: Class III: Special Standards:
2-MNR-MNR3-SOS	VAV-H24R_MNR01A00	CMON	JR05																												LP							SOS data Level II WQS - Basin 2B: Section 10i: Class III: Special Standards: PWS
2-MNR-MRN03-SW	VAV-H24R_MNR01A00	CMON	JR05																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10i: Class III: Special Standards: PWS
2-MNR-MRN08-SW	VAV-H24R_MNR01A00	CMON	JR05																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10i: Class III: Special Standards: PWS
2-MNR-MRN11-SW	VAV-H24R_MNR01A00	CMON	JR05																												J							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10i: Class III: Special Standards: PWS
2-MNR-MRN12-SW	VAV-H24R_MNR01A00	CMON	JR05																												J							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10i: Class III: Special Standards: PWS
2-MOH001.73	VAP-H38R_MOH01A12	A	JM78	0	12	S	0	12	S	0	12	S	4	12	IM																							No new data since 2012 cycle
2-MOY-MRY01-SOS	VAV-H28R_MOY01A02	CMON	JR15																												MP							SOS data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MOY-MRY01-SW	VAV-H28R_MOY01A02	CMON	JR15																												IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MRT-MRT01-SOS	VAV-H26R_IVC01A00	CMON	JR07																												LP							SOS data Level II WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-MSC000.11	VAV-H28R_MSC01A00	A	JR15																																			WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MSC000.60	VAV-H28R_MSC01A00	A,B	JR15	0	25	S	0	24	S	0	24	S	6	24	IM																0	S						WQS - Basin 2B: Section 10: Class III: Special Standards:
2MSC-4-SOS	VAV-H28R_MSC01B12	CMON	JR15																												HP							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MSC-MSC04-SW	VAV-H28R_MSC01A00	CMON	JR15																												IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MSC-MSV12-SW	VAV-H28R_MSC01A00	CMON	JR15																												IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MSC-MSX10-SW	VAV-H28R_MSC02A00	CMON	JR15																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MTC001.24	VAC-J04R_MTC01A10	A,B	JA12	0	13	S	0	13	S	0	13	S	0	12	S						0	S										IM							2008 Bio This monitoring station was characterized by sluggish flow, marginal habitat, considerable sediment deposition, and unstable banks with little vegetative protection.
2-MUC001.49	VAC-J02R_MUC01A04	TM	JA06																																			
2-MUY001.23	VAP-H33R_MUY01B00	A	JM71	0	14	S	1	14	S	0	14	S	1	12	S						0	S																No data since 2010 cycle
2-MWC000.04	VAV-H28R_MWC01A00	SS	JR14																												9	O						1 sediment sample of ANTHRACENE BENZO_A_PYRENE BENZO_A_ANTHRACENE CHRYSENE FLUORANTHENE FLUORENE PAH_TOTALS PHENANTHRENE PYRENE exceeded the sediment screening value, WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MWC000.60	VAV-H28R_MWC01A00	A,B	JR14	0	1061	S	0	8	S	0	51	S	9	21	IM				0	S	0	S	0	S	0	S						IM							Continuous monitoring data available for Temp. and DO. DO evaluated based on the daily average of 5 mg/l standard. 0 of 8 days violated the daily standard. WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MWC001.16	VAV-H28R_MWC01A00	SS	JR14																												0	S						WQS - Basin 2B: Section 10: Class III: Special Standards:

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-MWC001.28	VAV-H28R_MWC01A00	SS	JR14																						0	S											WQS - Basin 2B: Section 10: Class III: Special Standards:
2MWC-3-SOS	VAV-H28R_MWC01A00	CMON	JR14																												HP						WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MWC-MWC03-SW	VAV-H28R_MWC01A00	CMON	JR14																												IM						Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-MYC000.50	VAC-H22R_MYC01A08	A	JM55	0	12	S	0	12	S	0	12	S	6	12	IM						0	S															
2-NBB001.54	VAP-J09R_NBB01A98	SS,B,TM	JA26	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	0	S								FS						No new data since 2010 cycle, 2009 Benthic data, 2009 sed, 2009 water metals
2-NBB002.92	VAP-J09R_NBB01A98	A,SS	JA26	0	11	S	0	11	S	0	11	S	3	11	IM																							no new data since 2012 cycle
2-NBB003.65	VAP-J09R_NBB01A98	A,SS	JA26	0	17	S	0	17	S	1	17	S							0	S	0	S																2011,2012 water metals; new station 2014 cycle
2-NBB005.84	VAP-J09R_NBB01B10	A,TM	JA26	0	66	S	0	65	S	0	66	S	17	47	IM				0	S	0	S																2011,2012 water metals
2-NBS000.92	VAC-J02R_NBS01A08	A,B	JA06	0	4	S	0	4	S	0	4	S																				FS						2008/2010 Bio This site was monitored in order to supplement probabilistic monitoring data from probabilistic monitoring site 2-NBS001.56, which can only be accessed via private land and cannot be revisited. The stream had heavy sediment deposition and marginally stable banks. Drought conditions in 2008 may have affected the benthic community.
2-NBS001.56	VAC-J02R_NBS01A08	FPM,B	JA06	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W	0	W						FS						2006 Probabilistic Monitoring The spring sample was taken after an extended dry period, which could account for the lower SCI score when compared to fall. Livestock fenced out but present on right bank, and a nursery withdraws water from the stream on an unknown basis.
2-NBX001.10	VAP-J09R_NBB01A12	A	JA26	0	11	S	0	11	S	0	11	S	8	11	IM																							no new data since 2012 cycle
2-NKD-NKD02-SW	VAV-H26R_NKD01A10	CMON	JR08										1	8	IN/O																IM						Stream Watch Benthic Data Level III; Bacteria Level II WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-NOR000.20	VAC-H20R_NOR02A02	A,B	JM58	0	121	S	0	121	S	0	32	S									0	S									IM						2009 Diurnal Study 2007-2012 Bio Forested riparian zone, yet high sedimentation rate. Biologist notes from fall 2007 sampling event indicated recent drought conditions, which could have resulted in the lower SCI score that season. Fall 2009 bio notes: Flow very low. Stream dried completely prior to fall 2010 sample.
2-NOR003.28	VAC-H20R_NOR01A02	A,B,SS	JM58	0	233	S	0	232	S	0	34	S	1	1	IN/O				0	S	0	S	0	S							IM	1	1	IN/O				2009 Diurnal Study 2007-2012 Bio - Carryover TP OE This site is characterized by bedrock and cobble riffles that are embedded in sediment and covered in algae.
2-NOR003.59	VAC-H20R_NOR01A02	A,B,SS	JM58	0	132	S	0	131	S	0	35	S									0	S									IM						2009 Diurnal Study 2007-2012 Bio This stream has unstable banks, a high rate of sediment deposition, and substrate covered with abundant filamentous algae.
2-NOR003.72	VAC-H20R_NOR01A02	TM,B	JM58	0	1	W	0	1	W	0	1	W									0	W															
2-NOR003.75	VAC-H20R_NOR01A02	TM,B	JM58	0	9	S	0	8	S	0	9	S									0	S									FS						North Creek TMDL This stream is incised with unstable banks and little bank vegetation. Available habitat was marginal. This site likely has a legacy erosion problem but currently the upstream watershed is forested with some open fields.
2-NOT001.59	VAC-H06R_NOT01A10	TM	JM16	0	12	S	0	12	S	0	12	S	10	12	IM						0	S															Beaver Creek/James River TMDL Monitoring
2-NTH001.65	VAC-H21R_NTH01A00	A,SS	JM52	0	12	S	0	12	S	0	12	S	1	12	S						0	S												0			Hog Farm Special Study & Follow-up
2-NTH003.88	VAC-H21R_NTH01A00	SS	JM52										1	6	IM																						NO NEW DATA Hog Farm Special Study & Follow-up
2-NUT000.62	VAP-J17R_NUT01A06	A,B,FPM	JA42	0	2	S	0	2	S	0	2	S	1	1	W				0	S	0	S	0	S							IM						2010 sed, water metals, no new data since 2012 cycle
2-NUT002.22	VAP-J17R_NUT01A06	A	JA42	0	13	S	2	13	IM	2	13	IM																									no new data since 2012 cycle
2-NUT004.10	VAP-J17R_NUT01A06	A	JA42	0	1	IN	0	1	IN	0	1	IN																									No new data since 2010 cycle
2-NUT-5-FOCR	VAP-J17R_NUT01A06	CMON	JA42	0	117	IN	0	117	IN	9	159	IN																									ACB level II data
2-NWD002.27	VAP-H39R_NWD01B12	A	JM81	0	12	S	0	12	S	0	12	S	2	12	IM																							PWS; no new data since 2012 cycle
2-NWD005.84	VAP-H39R_NWD01B12	A	JM81	0	12	S	0	12	S	1	12	S	3	12	IM																							PWS
2-OPP000.16	VAC-H05R_OPP01A00	A	JM11	0	24	S	0	24	S	0	24	S	3	24	IM						0	S																
2-OPP007.03	VAC-H05R_OPP01A00	A,B,C	JM11	0	11	S	0	11	S	1	11	IN																			0	S	FS					2007-2012 Bio Stable banks and excellent riffle habitat.
2-OTC001.54	VAP-J15R_OTC01A00	A,B	JA40	0	15	S	0	14	S	1	13	S	2	12	IM						0	S									IM						No new data since 2010 cycle
2-OTC002.49	VAP-J15R_OTC01A00	A	JA40	0	1	IN	0	1	IN	0	1	IN	0	1	IN						0	IN															No new data since 2010 cycle
2-OTC005.38	VAP-J15R_OTC01B08	A	JA40	0	14	S	1	14	S	2	14	IM																									no new data since 2012 cycle
2-OTC-28-FOCR	VAP-J15R_OTC01A00	CMON	JA40	0	2	IN	0	2	IN	0	15	IN																									Chesterfield Water Trends Level II data
2-OTD-29-FOCR	VAP-J16R_OTD01A14	CMON	JA41	0	2	IN	0	2	IN	0	12	IN																									Chesterfield Water Trends Level II data
2-OWN000.10	VAC-H08R_OWN01A06	A	JM20	0	3	S	0	3	S	0	3	S	0	3	S						0	S															
2-PDG000.12	VAC-H05R_PDG01A06	A	JM14	0	12	S	0	12	S	0	12	S	5	12	IM						0	S															
2-PHL003.97	VAP-H34R_PHL01A08	SS	JM59	0	2	S	0	2	S	0	2	S																									
2-PKR-PKR01-SOS	VAV-H27R_PKR01A10	CMON	JR09																												LP						SOS data Level II WQS - Basin 2B: Section 10o: Class III: Special Standards:
2-PKR-PKR01-SW	VAV-H27R_PKR01A10	CMON	JR09																												FS						Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-PLC001.49	VAV-H26R_PLC01A10	A,B	JR08	0	2	S	0	2	S	0	2	S																				IM						WQS - Basin 2B: Section 10j: Class III: Special Standards:
2-PLC-PWL01-SW	VAV-H26R_PLC01A10	CMON	JR08																												IM						Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-PLP002.08	VAC-H06R_PLP01A08	A,B	JM16	0	2	S	0	2	S	0	2	S																			IM							2008 Bio Incised stream. Past cattle access likely, though they are currently fenced out of stream. Good riffles but algae covered most rocks. High rate of sediment deposition.
2-PLP002.24	VAC-H06R_PLP01A08	FPM,B	JM16	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W	0	W					FS							2006 Probabilistic Monitoring This stream had heavy erosion potential and high sediment deposition. There were numerous livestock paths to the creek and only grasses in the riparian zone. Algae were dominant and nitrogen concentrations were high.
2-PNY003.06	VAV-H10R_PNY01A00	A	JM25	0	12	S	0	12	S	0	12	S	2	12	IM						0	W																WQS - Basin 2B: Section 11d: Class III: Special Standards: 06 Trend analysis showed no statistically significant trends. Water toxics not assessed based on only one sample available for assessment.
2-PNY005.29	VAV-H10R_PNY01A00	A,TR	JM25	0	53	S	0	53	S	0	52	S	7	53	IM						0	S																WQS - Basin 2B: Section 11d: Class III: Special Standards:Trend analysis was performed at station 2-PNY005.29 in the 2006 cycle. No statistically significant trends were detected.
2-PNY009.39	VAV-H10R_PNY03A04	A	JM25	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																WQS - Basin 2B: Section 11d: Class III: Special Standards:
2-PNY-3-NCMG	VAV-H10R_PNY01A00	CMON	JM26										0	4	IN																							Coli-scan data Level II WQS - Basin 2B: Section 11d: Class III: Special Standards:
2-POL000.04	VAC-H02R_POL01A00	A	JM06	0	12	S	0	12	S	0	12	S	0	12	S				0	S	0	S	0	S	0	S						3	22	O	0	12		Carry over 2006 OE (2008 - 2/15)
2-POL007.20	VAC-H02R_POL01B14	TM	JM05	0	12		0	12		0	12		3	12	IM						0	S																Pedlar TMDL Station
2-POL008.53	VAC-H02R_POL02A00	A,B	JM05	0	23	S	0	23	S	0	23	S	3	23	IM						0	S									FS							2004 Bio This site was sampled as a potential reference station based on water quality data and instream habitat.
2-POL010.11	VAC-H02R_POL03A02	FPM,B	JM05	0	18	S	0	18	S	0	18	S	2	12	IM				0	W	0	S	0	S	0	S					FS							2009-2010 Bio 2008 Probabilistic Monitoring This site is characterized by stable banks, cobble substrate, and a good riparian zone.
2-POL017.59	VAC-H02L_POL01A02	L	JM04	0	345	S	1	81	S	16	190	S									0	S	0	S	0	S									0	2		2004 & 2005 Pedlar Special Study to determine Natural Conditions for pH Pooled Data: DO - 1/165 Violation Rate pH - 25/441 Violation Rate
2-POL018.71	VAC-H02L_POL01A02	L	JM04	0	251	S	0	84	S	9	251	S									0	S													0	1		Not in Lacustrine zone Pooled Data: DO - 1/165 Violation Rate pH - 25/441 Violation Rate
2-POL019.63	VAC-H02R_POL05B02	SS,B	JM04	0	10	S	0	10	S	0	10	S																			FS							2005 Pedlar Reservoir Special Study 2009-2010 Bio Tier III stream in National Forest
2-POR-PETE-04-NPS	VAP-J15R_POR01A04	NONA	JA40	0	28	S	1	27	S	2	27	S																										NPS data level III
2-POR-PETE-05-NPS	VAP-J15R_POR01A04	NONA	JA40	0	31	S	0	31	S	0	29	S																										NPS data level III
2-PRB-APCO-02-NPS	VAC-J01R_PRB01A04	CMON	JA01	0	5	S	0	5	S	0	5	S																										Level III NPS Data
2-PRD000.21	VAV-H27R_PRD01A00	A	JR11	0	12	S	0	12	S	0	11	S	1	12	IM																							WQS - Basin 2B: Section 10: Class III: Special Standards: Remains impaired for bacteria in 2014, no new data.
2-PRD004.42	VAV-H27R_PRD02A06	A,B	JR12	0	2	S	0	2	S	0	2	S	1	1	W				0	S	0	S	0	S							IM							WQS - Basin 2B: Section 10: Class III: Special Standards: Remains impaired for bacteria in 2012, no new data.
2-PRD006.35	VAV-H27R_PRD02A06	A,B	JR12	0	3	S	0	3	S	0	3	S																			IM							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-PRD-BRN01-SW	VAV-H27R_PRD01A00	CMON	JR12																											FS							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-PRD-PRD01-SOS	VAV-H27R_PRD02A06	CMON	JR12																											HP							SOS data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-PRD-PRD01-SW	VAV-H27R_PRD02A06	CMON	JR12										3	8	IN/O																IM							Stream Watch Benthic Data Level III; Bacteria Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-PRS003.23	VAV-H10R_PRS01A00	A,B,FPM	JM25	0	4	S	0	4	S	0	4	S	0	2	S				0	S	0	S	0	S							FS							WQS - Basin 2B: Section 11: Class VI: Special Standards:
2-PUM000.29	VAC-J01R_PUM01A08	A	JA05	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																
2-PWC-POW02-SOS	VAV-H23R_PWC01A10	CMON	JR02																											LP							SOS data Level II WQS - Basin 2B: Section 10h: Class III: Special Standards: PWS
2-PWC-POW02-SW	VAV-H23R_PWC01A10	CMON	JR02										4	8	IN/O																FS							Stream Watch Benthic Data Level III; Bacteria Level II WQS - Basin 2B: Section 10h: Class III: Special Standards: PWS
2-PWC-PWL03-SW	VAV-H26R_PLC01A10	CMON	JR08																											IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-PWL-PWL01-SOS	VAV-H26R_PLC01A10	CMON	JR08																											HP							SOS data Level II WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-PWT000.57	VAP-H39R_PWT01A98	A	JM86	0	13	S	0	13	S	0	13	S	1	12	S																							
2-PWT001.23	VAP-H39R_PWT01A98	B	JM86	0	1	W	0	1	W	0	1	W																			IM							2012 benthics - replaced station 2-PWT001.97 b/c more appropriate stream type
2-PWT-17-CWT	VAP-H39R_PWT01A98	CMON	JM86				0	1	W	0	1	W																										previously 2-PWT-17-FOCR - Chesterfield WaterTrends level 2
2-RFS-2-RVF	VAV-H15R_RFS01A00	CMON	JM37										0	7	IN																							Coli-scan data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RFS-4-NCMG	VAV-H15R_RFS02A10	CMON	JM37										0	6	IN																							Coli-scan data Level II WQS - Basin 2B: Section 10: Class VI: Special Standards:
2-RFS-5-NCMG	VAV-H15R_RFS01A00	CMON	JM37										1	6	IN/O																							Coli-scan data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RFS-6-NCMG	VAV-H15R_RFS01A00	CMON	JM37										2	6	IN/O																							Coli-scan data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-RFS-6-RVF	VAV-H15R_RFS01A00	CMON	JM37										0	7	IN																						Coli-scan data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RGH000.35	VAC-J01R_RGH01A04	A	JA02	0	12	S	0	12	S	0	12	S	3	12	IM						0	S															
2-RHC000.58	VAP-J15R_RHC01A06	A,B,FPM	JA40	0	2	S	0	2	S	0	2	S	0	1	S				0	S	0	S	0	S							IM							2010 sed, water metals, no new data since 2012 cycle
2-RHC002.23	VAP-J15R_RHC01A06	A	JA40	0	12	S	0	12	S	0	12	S	1	12	S				0	S																		2009, 2010 water metals, no new data since 2012 cycle
2-RKF000.19	VAV-H16R_RKF01A00	A	JM41	0	11	S	0	11	S	0	11	S	1	12	S																						WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RKF001.91	VAV-H16R_RKF01A00	A,B,FPM	JM41	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	0	S							FS							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RKF007.28	VAV-H16R_RKF01B10	A	JM40	0	11	S	0	11	S	0	11	S	2	12	IM																						WQS - Basin 2B: Section 10: Class III: Special Standards
2-RKF014.71	VAV-H16R_RKF01C10	A	JM38	0	11	S	0	11	S	0	11	S	2	12	IM																						WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RKF023.33	VAV-H16R_RKF02A00	A,B	JM38	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	0	S							FS							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RKF026.42	VAV-H16R_RKF02A00	A	JM38	0	23	S	0	21	S	0	23	S	6	23	IM																						WQS - Basin 2B: Section 10: Class III: Special Standards: .
2-RKF-18-NCMG	VAV-H16R_RKF01C10	CMON	JM38										1	5	IN/O																						Coli-scan data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RKF-19-NCMG	VAV-H16R_RKF01C10	CMON	JM38										1	4	IN/O																						Coli-scan data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RKI003.40	VAC-H17R_RKI01A00	TM,B	JM43	0	3	S	0	3	S	0	3	S	2	6	IM						0	S									FS							2008/2010 Bio This site has stable banks, optimal habitat, and little sediment deposition. This is a targeted reference stream.
2-RKN003.31	VAP-J11R_RKN01A12	A,TM	JA33	0	32	S	1	31	S	2	32	S	12	32	IM																						
2-RKR000.02	VAV-H13R_RKR01A00	A	JM32	0	17	S	0	17	S	0	17	S	3	18	IM																						WQS - Basin 2B: Section 11d: Class III: Special Standards:
2-RKR011.46	VAV-H13R_RKR01A00	A	JM32	0	12	S	0	12	S	0	12	S	4	12	IM																						WQS - Basin 2B: Section 11d: Class III: Special Standards:
2-RKR-15-NCMG	VAV-H13R_RKR01A00	CMON	JM32										0	6	IN																						Coli-scan data Level II WQS - Basin 2B: Section 11d: Class III: Special Standards:
2-RLD000.48	VAC-H36R_RLD01A06	A,B	JM70	0	15	S	0	15	S	0	15	S	3	12	IM						0	S									IM	0	12	W				2009/2012 Bio This stream is in the Cumberland State Forest. It is characterized by marginal bank stability, excessive sediment deposition, and marginal epifaunal substrate. Biologist notes from 2009 and 2012 indicate very unstable habitat, mostly consisting of leaf packs and woody debris that were covered in sediment. Heavy local watershed erosion was also noted. In 2012 there was noted beaver activity affecting habitat availability.
2-RND000.32	VAC-H36R_RND02A06	A	JM69	0	12	S	0	12	S	0	12	S	0	12	S						0	S															
2-RND003.57	VAC-H36R_RND01A00	FPM,B	JM69																0	W											IM							2001 Probabilistic Monitoring Habitat assessment indicates sediment impacts.
2-RND004.39	VAC-H36R_RND01A00	A,SS	JM69	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																Hog Farm Special Study Station
2-RND007.12	VAC-H36R_RND01A00	SS	JM69										1	1	IM																						Hog Farm Special Study Station - No New Data! 2006 FC bacteria: 1/1 = IM
2-ROC-RKY01-SW	VAV-H24R_ROC01A12	CMON	JR05																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10i: Class III: Special Standards: PWS
2-RRN002.19	VAV-H27R_RRN01A00	A,B	JR13	0	43	S	0	41	S	0	43	S	8	39	IM						0	S									FS							WQS - Basin 2B: Section 10: Class III: Special Standards: PWS
2-RRN010.92	VAV-H27R_RRN02A00	A	JR11	0	12	S	0	12	S	0	12	S	1	12	S						0	S																WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS No new bacteria data, remains impaired.
2-RRN012.89	VAV-H27R_RRN02A00	A,B	JR11	0	4	S	0	4	S	0	4	S																			FS							WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-RRN015.61	VAV-H27R_RRN03A10	A	JR09	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-RRN-RRN03-SW	VAV-H27R_RRN01A00	CMON	JR13																												J							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RRN-RRN04-SW	VAV-H27R_RRN02A00	CMON	JR11																												J							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-RRN-RRN06-SOS	VAV-H27R_RRN02A00	CMON	JR11																												MP							SOS data Level II WQS - Basin 2B: Section 10o: Class III: Special Standards:
2-RRN-RRN06-SW	VAV-H27R_RRN02A00	CMON	JR11																												J							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-RRN-RRN07-SOS	VAV-H27R_RRN01A00	CMON	JR13																												LP							SOS data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RRN-RRN07-SW	VAV-H27R_RRN01A00	CMON	JR13																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RRS001.81	VAV-H26R_RRS01A00	A,B	JR08	0	4	S	0	4	S	0	4	S																			IM							WQS - Basin 2B: Section 10j: Class III: Special Standards:
2-RRS003.12	VAV-H26R_RRS01A00	A	JR08	0	33	S	0	31	S	0	33	S	1	33	S						0	S																WQS - Basin 2B: Section 10j: Class III: Special Standards:
2-RRS003.59	VAV-H26L_01	L	JR08	0	159	S	1	52	S	0	159	S	0	13	S						0	S													0	2		Fully Supporting for Nutrients in 2014. SF Rivanna Reservoir pooled DO/pH results for Station 2-RRS003.59 & 2-RRS005.62 = 91 obs/ 1 exceeds/ 262 obs / 1 exceeds WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-RRS005.62	VAV-H26L_01	L	JR08	0	103	S	0	39	S	1	103	S	0	13	S						0	S													0	2		Fully Supporting for Nutrients in 2014. SF Rivanna Reservoir pooled DO/pH results for Station 2-RRS003.59 & 2-RRS005.62 = 91 obs/ 1 exceeds/ 262 obs / 1 exceeds WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-RRS-RVN31-SOS	VAV-H26R_RRS01A00	CMON	JR08																												MP							SOS data Level II WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-RRS-RVN31-SW	VAV-H26R_RRS01A00	CMON	JR08																												IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-RSM000.58	VAP-H34R_RSM01A08	TM,B	JM61	0	23	S	0	22	S	0	23	S									0	S									IM							2011 and 2012 benthics; monitored in lieu of 2-RMS001.88
2-RSM001.88	VAP-H34R_RSM01A08	FPM,B	JM61	0	1	W	0	1	W	0	1	W									0	IN									IM							intermittent?; 2011 benthics
2-RTD003.08	VAC-H12R_RTD01A00	A,B	JM30	0	37	S	0	36	S	0	37	S	8	24	IM				0	S	1	O									IM	5	15	O				1 Chronic Violation in 3 years Ammonia - No new Ammonia problems TP OE Carryover 2007/2011 Bio This site was highly embedded with unstable banks and poor bank vegetative protection. Available habitat was covered with periphyton and filamentous algae.
2-RTD003.30	VAC-H12R_RTD02A00	A,B	JM30	0	23	S	0	22	S	0	23	S	1	12	S						0	S									FS							2011 Bio The riparian zone at this site is more intact than at the downstream site 2-RTD003.08. It also had more stable banks and less sediment deposition than downstream.
2-RTD007.61	VAC-H12R_RTD03A14	TM	JM30	0	11	S	0	11	S	0	11	S	3	12	IM						0	S																
2-RTL000.04	VAP-H39R_RTL01A08	A	JM86	0	11	S	0	11	S	0	11	S	4	11	IM						0	S																PWS; no data since 2010 cycle
2-RVN001.55	VAV-H31R_RVN01A00	A,B,FPM	JR22	0	1	W	0	1	W	0	1	W																			FS							WQS - Basin 2B: Section 11: Class III: Special Standards:
2-RVN012.84	VAV-H31R_RVN01A00	A,B,FPM	JR22	0	2	S	0	2	S	0	2	S							0	S	0	S	0	S							FS							WQS - Basin 2B: Section 11: Class III: Special Standards:
2-RVN015.97	VAV-H31R_RVN02A00	A,B,TR	JR19	0	72	S	0	71	S	0	71	S	5	53	S						0	S									FS							WQS - Basin 2B: Section 11: Class III: Special Standards:Trend analysis was performed at station 2-RVN015.97 in the 2006 cycle. Statistically significant trends were detected for the following parameter(s): Oxidized Nitrogen (Nitrate/Nitrite) (incr.)
2-RVN023.01	VAV-H31R_RVN02A00	A,B	JR19	0	8	S	0	8	S	0	8	S	1	6	IN																FS							WQS - Basin 2B: Section 11: Class III: Special Standards:
2-RVN033.65	VAV-H29R_RVN04A00	A,B	JR17	0	21	S	0	20	S	0	21	S	1	18	S						0	S									IM							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RVN-RVN01-SOS	VAV-H31R_RVN02A00	CMON	JR19																											HP							SOS data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RVN-RVN01-SW	VAV-H29R_RVN04A00	CMON	JR17																											IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RVN-RVN04-SOS	VAV-H31R_RVN02A00	CMON	JR19																											LP							SOS data Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-RVN-RVN05-SOS	VAV-H31R_RVN01A00	CMON	JR22																											MP							SOS data Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-RVN-RVN05-SW	VAV-H31R_RVN01A00	CMON	JR22																											FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 11: Class III: Special Standards:
2-RVN-RVN10A-SOS	VAV-H31R_RVN02A00	CMON	JR19																											HP							SOS data Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-RVN-RVN10-SOS	VAV-H31R_RVN02A00	CMON	JR19																											HP							SOS data Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-RVN-RVN10-SW	VAV-H31R_RVN02A00	CMON	JR19																											IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 11: Class III: Special Standards:
2-RVN-RVN11-SOS	VAV-H28R_RVN01A00	CMON	JR14																											LP							SOS data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RVN-RVN11-SW	VAV-H28R_RVN01A00	CMON	JR14																											IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-RVN-RVN18-SOS	VAV-H31R_RVN01A00	CMON	JR22																											MP							SOS data Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-RVN-RVN18-SW	VAV-H31R_RVN01A00	CMON	JR22																											FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 11: Class III: Special Standards:
2-SAL000.12	VAP-H39R_SAL01A08	A	JM85	0	22	S	0	22	S	0	22	S	9	22	IM						1	O																1 chronic NH3 exceedance; PWS; no new data since 2012 cycle (data not available during 2012 cycle)
2-SAL001.93	VAP-H39R_XAB01A10	A	JM85	0	19	S	3	19	IM	9	19	IM	3	18	IM						0	S																PWS; no new data since 2012 cycle
2SAY*-SAY7-CVW	VAC-J06R_SYL01A98	CMON	JA15										11	38	IM																							Clean Virginia Waterways Station
2SAY*-SAY8-CVW	VAC-J06R_SYL02A06	CMON	JA15										8	38	IN																							Clean Virginia Waterways Station
2-SCK002.24	VAC-J06R_SCK01A06	A	JA20	0	12	S	0	12	S	0	12	S	5	12	IM						0	S																
2-SCM000.23	VAC-H14R_SCM01A00	A	JM35																																			
2-SDH-SHD01-SW	VAV-H29R_SHD01A12	CMON	JR17																											FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-SDV001.02	VAV-H27R_SDV01A14	A,B,FPM	JR10	0	2	S	0	2	S	0	2	S	1	1	W				0	S	0	S									IM							WQS - Basin 2B: Section 10o: Class III; Special Standards: PWS
2-SDV-SDV01-SW	VAV-H27R_SDV01A14	CMON	JR10																											IM							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-SDY003.00	VAC-J03R_SDY01A00	A	JA14	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																
2-SDY004.27	VAC-J03L_SDY01A06	L,C	JA14	0	209	S	12	93	IM	0	209	S	0	21	S						0	S	0	S	0	S	1	O	0	S					0	3		2008-2009/2011 Sandy River Reservoir Pooled Data: DO 25/275 2005 FT/Sediment - Hg 1 Species
2-SDY005.85	VAC-J03L_SDY01A06	L	JA14	0	167	S	6	87	S	0	167	S	0	21	S						0	S													0	3		2008-2009/2011 Sandy River Reservoir Pooled Data: DO 25/275
2-SDY011.08	VAC-J03L_SDY02A06	L,C	JA14	0	42	S	0	19	S	0	42	S	0	7	S						0	S	0	S	0	S	1	O										2004 Prince Edward Lake Not listed in Reg 2005 FT/Sediment - Hg 1 Species
2-SEC008.84	VAP-J17R_SEC01B06	A	JA43	0	16	S	0	16	S	4	16	IM																										no new data since 2012 cycle
2-SEC-13-FOCR	VAP-J17R_SEC01B06	CMON	JA43	0	41	IN	4	35	IN/O	6	44	IN																										ACB level II data
2-SEC-34-FOCR	VAP-J17R_SEC01C14	CMON	JA43							6	9	IN/O																										Chesterfield Water Trends Level II data
2-SFR000.60	VAV-H27R_SFR01A00	A,B	JR10	0	14	S	0	14	S	0	14	S	2	12	IM						0	S									FS							WQS - Basin 2B: Section 10: Class III: Special Standards: change from IM in 2012

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-SFR-SFR01-SOS	VAV-H27R_SFR01A00	CMON	JR10																											MP							SOS data Level II WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-SFR-SFR01-SW	VAV-H27R_SFR01A00	CMON	JR10										1	8	IN/O															IM							Stream Watch Benthic Data Level III; Bacteria Level II WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-SFR-SFR03-SOS	VAV-H27R_SFR02A00	CMON	JR10																											LP							SOS data Level II WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-SFR-SFV03-SW	VAV-H27R_SFR02A00	CMON	JR10																											FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-SFR-SWIFT01-PATC	VAV-H27R_SFR02A00	CMON	JR10	0	2	IN				0	1	W																		LP							All data Level II WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-SFT004.80	VAP-J17R_SFT01C98	FPM	JA44	0	2	S	0	2	S	0	2	S							0	S	0	IN															2007 water metals;No new data since 2010 cycle
2-SFT004.92	VAP-J17R_SFT01C98	A,TM	JA44	0	13	S	0	13	S	0	13	S	0	12	S						0	S																
2-SFT006.10	VAP-J17L_SFT02A08	L	JA44	0	34	S	1	26	IM	0	34	S	0	7	S						0	S													0	1	IN	
2-SFT006.88	VAP-J17L_SFT02A08	TM,SS	JA44	0	24	S	0	22	S	0	24	S																										No new data since 2010 cycle
2-SFT012.84	VAP-J17R_SFT02B00	A	JA44	0	12	S	0	11	S	0	12	S	0	0	W						0	S																No new data since 2010 cycle
2-SFT019.02	VAP-J17R_SFT01B98	FPM,B	JA42	0	4	IN	0	4	IN	1	4	IN/O	0	2	S				0	S	0	S	0	S							IM							2008,2009 SED, no new data since 2012 cycle
2-SFT019.15	VAP-J17R_SFT01B98	TM,B	JA42	0	14	S	1	13	S	0	14	S									0	S									IM							no new data since 2012 cycle
2-SFT022.14	VAP-J17L_SFT01A98	L	JA42	0	42	S	8	40	IM	0	42	S	0	7	S						0	S																5A; top 2/19 (10.5%); bottom 2/2; TSI >60: Phos=58; Chla=56; secchi=67; No new data since 2010 cycle
2-SFT025.32	VAP-J17R_SFT02A00	TM,B	JA42	0	16	S	0	16	S	0	16	S																			IM							no new data since 2012 cycle
2-SFT027.38	VAP-J17R_SFT01A00	TM,SS	JA42	0	12	S	2	11	IM	0	12	S									0	S																No new data since 2010 cycle
2-SFT030.65	VAP-J17R_SFT01A00	TM,SS	JA42	0	12	S	2	11	IM	0	12	S																										No new data since 2010 cycle
2-SFT031.08	VAP-J16L_SFT02A98	L	JA41	0	79	S	6	73	S	0	79	S	0	14	S						0	S										0	2	S	0	2	S	4C; top 0/23; bottom 12/14 (85.7%); TSI
2-SFT033.42	VAP-J16L_SFT02A98	L	JA41	0	66	S	2	66	S	2	66	S	0	14	S						0	S										0	2	S	0	2	S	4C; top 1/21; bottom 2/2; TSI >60: phos=52; chla=55; secchi=61; PWSpooled DO= 12 vios/262 obs (S); pooled pH =3 vios/272 obs (S)
2-SFT034.38	VAP-J16L_SFT02A98	L	JA41	0	64	S	2	64	S	0	64	S	0	14	S						0	S																PWS;pooled DO= 12 vios/262 obs (S); pooled pH =3 vios/272 obs (S)
2-SFT037.95	VAP-J16R_SFT03A12	A	JA41	0	11	S	0	11	S	0	11	S	1	11	S																							no new data since 2012 cycle
2-SFT-24-FOCR	VAP-J17R_SFT01B98	CMON	JA42	0	8	IN	2	8	IN/O	0	12	IN																										Chesterfield Water Trends Level II data
2-SFT-35-FOCR	VAP-J17L_SFT01A98	CMON	JA42							0	10	IN																										Chesterfield Water Trends Level II data
2SFT-FOCRBB-ALL	VAP-J17R_SFT01A00	CMON	JA42	0	435	IN	7	435	IN	0	508	IN																										ACB level II data
2-SHR004.96	VAC-H22R_SHR01A10	TM	JM56	0	11	S	0	11	S	0	10	S	1	12	S																								Slate TMDL Monitoring
2-SHS001.00	VAC-H11L_SHS01A02	L,C	JM29	0	80	S	5	38	IM	12	80	IM	1	14	S						0	S					1	O	0	S					0	2		2011/2012 Stonehouse Creek Reservoir pH Violation due to Natural Conditions 2005 FT/Sediment - As 2 Species (OE)
2-SIN000.44	VAV-H23L_SIN01A04	L	JR02	0	56	S	0	21	S	2	56	S	0	7	S						0	S													0	1		Only one year of Chlor A data, insufficient to assess for nutrients. De-list in 2010 for pH. WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-SKM001.04	VAV-H23R_SKM01A10	A,B,FPM	JR01	0	2	S	0	2	S	0	2	S	1	1	W				0	S	0	S	0	S							IM							WQS - Basin 2B: Section 10h: Class III: Special Standards:
2-SKM001.47	VAV-H23R_SKM01A10	A	JR01	0	12	S	0	12	S	1	12	S	8	12	IM																							WQS - Basin 2B: Section 10h: Class III: Special Standards:
2-SKM001.63	VAV-H23R_SKM01A10	A,B,FPM	JR01	0	3	S	0	3	S	0	3	S																			FS							WQS - Basin 2B: Section 10h: Class III: Special Standards:
2-SKM-STU01-SW	VAV-H23R_SKM01A10	CMON	JR01																											FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10h: Class III: Special Standards: PWS
2-SKM-STU03-SW	VAV-H23R_SKM01A10	CMON	JR01																											J							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10h: Class III: Special Standards: PWS
2-SLE002.65	VAP-H33R_SLE01A00	A,B	JM74	0	16	S	0	16	S	0	16	S	4	12	IM																IN							2011 benthics
2-SLT000.20	VAC-H22R_SLT03A02	C	JM57																				0	S	0	S	0	S	1	O								01 PCB 1 species FT/Sed
2-SLT003.00	VAC-H22R_SLT03A02	B	JM57	0	1	W	0	1	W	0	1	W	0	1	W				0	W	0	W	0	W	0	W					FS							2007 Large River Probmon This site had optimal habitat and an excellent riparian zone.
2-SLT003.68	VAC-H22R_SLT02A02	A,TM,TR	JM57	0	41	S	0	41	S	0	41	S	7	36	IM						0	S																Slate River Basin TMDL Station
2-SLT014.52	VAC-H22R_SLT01A06	A,B,TM	JM56	0	15	S	0	15	S	0	15	S	4	12	IM						0	S									FS							2007/2012 Bio Optimal habitat with excellent riparian zone.
2-SLT018.85	VAC-H21R_SLT01A00	A	JM55	0	12	S	0	12	S	0	11	S	1	13	IM						0	S																No New Data - Keep EC Impairment
2-SLT024.72	VAC-H21R_SLT01A00	SS	JM53	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																Hog Farm Special Study & Follow-up
2-SLT030.19	VAC-H21R_SLT01A00	SS	JM53	0	17	S	0	17	S	0	16	S	0	6	S						0	S																Hog Farm Special Study & Follow-up
2-SLT036.92	VAC-H21R_SLT03A08	TM	JM51	0	11	S	0	11	S	0	10	S	0	12	S						0	S																Slate River TMDL
2-SMC000.51	VAC-H02R_SMC01A02	B,USFS	JM04	0	1	W	0	1	W	0	1	W																			FS							2010 Regional Bio Tier III stream in National Forest. USFS sampled this site in spring 2005 and calculated an SCI score of 74.79. 2-SMC-5058-USFS Level III Assessment - FS
2-SMK002.57	VAP-J10R_SMK01A06	A	JA28	0	1	S	0	1	S	0	1	S	1	1	W						0	S																No new data since 2010 cycle
2-SMK006.57	VAP-J10R_SMK01A06	A	JA28	0	11	S	4	11	IM	0	11	S	3	11	IM																								no new data since 2012 cycle
2-SNC000.58	VAP-J17R_SNC01A00	TM	JA42	0	12	S	0	12	S	0	12	S																										No new data since 2010 cycle
2-SNC-23-FOCR	VAP-J17R_SNC01A00	CMON	JA42	0	2	IN	0	2	IN	0	9	IN																										Chesterfield Water Trends Level II data
2-SNC-39-FOCR	VAP-J17R_SNC01A00	CMON	JA42							0	12	IN																										Chesterfield Water Trends Level II data
2-SNC-6-FOCR	VAP-J17R_SNC01A00	CMON	JA42	0	502	IN	0	502	IN	0	474	IN	1	4	IN																								ACB level II data
2-SND002.08	VAC-J06R_SND01A04	TM	JA17																																			
2-SNJ001.41	VAP-H39R_SNJ02A04	TM	JM84	0	1	W	0	1	W	0	1	W									0	IN																PWS -NO3 okay

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-SNJ001.77	VAP-H39R_SNJ01A04	TM,B	JM84	0	16	S	0	16	S	0	16	S	0	1	W				0	IN	0	S	0	S							IM							2007 and 2012 benthics; PWS - NO3 okay
2-SNJ001.90	VAP-H39R_SNJ01A04	TM	JM84	0	13	S	0	13	S	0	13	S									0	S																PWS - NO3 okay
2-SNK000.02	VAV-H28R_SNK01A02	A	JR14																						0	S												WQS - Basin 2B: Section 10: Class III: Special Standards:
2-SNK000.88	VAV-H28R_SNK01A02	A,B	JR14	0	1044	S	0	8	S	0	41	S	3	3	IM						0	S	0	S	1	O					IM							Continuous monitoring data available for Temp. and DO. DO evaluated based on the 5 mg/l daily average standard. 0 of 8 days violated the daily standard. 1 Sediment Sample exceeded the screening value for Pyrene. 'WQS - Basin 2B: Section 10: Class III:
2-SNK001.02	VAV-H28R_SNK01A02	A	JR14																				0	S	1	O												WQS - Basin 2B: Section 10: Class III: Special Standards: 1 sediment sample exceeds the screening value for Chlordane
2-SNK-SHK01-SOS	VAV-H28R_SNK01A02	CMON	JR14																												HP							SOS data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-SNK-SHV01-SW	VAV-H28R_SNK01A02	CMON	JR14																												IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-SOL001.00	VAP-H33R_SOL01A10	A,B,SS	JM75	0	12	S	0	12	S	0	12	S	7	12	IM						0	S									IN							No data since 2010 cycle; 2008 benthics
2-SPA001.46	VAC-J02R_SPA01A02	A,TM	JA06	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																
2-SPA006.48	VAC-J02R_SPA02A04	C,TM	JA06	0	12	S	0	12	S	0	12	S	4	11	IM								0	S	0	S	0	S										2001 FT/Sed; Appomattox River Basinwide TMDL Study
2-SPC-4-RVF	VAV-H15R_SPC01A10	CMON	JM37										0	7	IN																							Coli-scan data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-SQT001.54	VAP-J07R_SQT01A00	A,TM	JA23	0	12	S	6	12	IM	0	12	S	1	12	S						0	S																Class VII water
2SRC-1-SOS	VAC-H02R_SRC01A02	CMON	JM04																												LP							Category 3D
2-SRC-5111-USFS	VAC-H02R_SRC01A02	USFS	JM04																												UN							MAIS = 16
2-SSX001.39	VAC-H20R_SSX01A08	A	JM58	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																
2-STG000.21	VAP-H33L_STG01A12	L	JM74	0	66	S	5	40	IM	1	66	S	0	14	S						0	S													2	2	IM	TSI(TP) = 60, TSI(CA) = 62, TSI(SD) = 63;CAT 5A, Eutrophic; pooled DO 11/92(IM) pH 6/139(S)
2-STG000.79	VAP-H33R_STG01A00	A,TM	JM74	0	10	S	0	10	S	1	10	S	1	8	IN																							No new data since 2012 cycle
2-STG000.91	VAP-H33L_STG01A12	L	JM74	0	73	S	6	52	IM	5	73	S	0	14	S						0	S													2	2	IM	TSI(TP) = 60, TSI(CA) = 62, TSI(SD) = 63;CAT 5A, Eutrophic; pooled DO 11/92(IM) pH 6/139(S)
2-STG002.00	VAP-H33R_STG01A00	A,TM	JM74	0	10	S	0	10	S	0	10	S	1	8	IN																							No new data since 2012 cycle
2-STI-STG01-SW	VAV-H31R_STI01A12	CMON	JR19																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 11: Class III: Special Standards:
2-STW001.72	VAC-H05R_STW01A08	A	JM14	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																
2-STW004.84	VAC-H05R_STW01A08	FPM,B	JM14	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S				0	W					FS							2011 Bio This stream had some sediment deposition but overall had good habitat.
2-SUA001.54	VAC-J01R_SUA01A04	A,B,TM	JA02	0	26	S	0	26	S	0	26	S	7	24	IM						0	S										J							2012 Bio This stream had increased sediment deposition but had optimal habitat. 2007 Suanee TMDL Monitoring
2-SUA001.55	VAC-J01R_SUA01A04	FPM	JA02																0	W																		
2-SUA003.80	VAC-J01R_SUA01A04	A	JA02	0	24	S	1	24	S	0	24	S	8	24	IM						0	S																2007 Suanee TMDL Monitoring
2-SWP000.76	VAC-H02R_SWP01A02	SS	JM04	0	6	S	0	6	S	0	6	S																										2004 Pedlar Special Study
2-SWT000.81	VAP-J11R_SWT01A00	TM	JA32	0	45	S	1	44	S	3	45	S	6	45	IM																							
2-SYC-3-RVF	VAV-H15R_SYC01A06	CMON	JM37										0	7	IN																							Coli-scan data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-SYL001.26	VAC-J06R_SYL01A98	A,TM	JA15	0	12	S	0	12	S	0	12	S	5	12	IM						0	S																Appomattox Basin TMDL
2-SYL003.91	VAC-J06R_SYL02A06	TM	JA15																																			
2-TBM000.80	VAC-H21R_TBM01A00	SS,TM	JM53																																			
2-TBM000.92	VAC-H21L_TBM01A06	L	JM53	0	50	S	4	32	IM	0	50	S	0	4	S						0	S													0	1	IN	0	1		Aerated Impoundment - Treated with Algaecide Only one sampling year
2-TBY001.54	VAP-J17R_TBY01A06	A	JA44	0	15	S	0	15	S	2	15	IM																										no new data since 2012 cycle
2-TBY-27-FOCR	VAP-J17R_TBY01A06	CMON	JA44	0	2	IN	0	2	IN	0	12	IN																										Chesterfield Water Trends Level II data
2-THK000.03	VAC-H03R_THK01A06	A,B	JM10	0	5	S	0	5	S	0	5	S	0	1	W				0	S			0	S							IM							2007/2009 Bio Tomahawk Creek is an urban stream with highly embedded substrate and unstable banks.
2-THK001.31	VAC-H03R_THK01A06	TM	JM10	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																
2-THK002.33	VAC-H03R_THK01A06	A	JM10	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																Urban Non-Point Source
2-TKO004.69	VAP-H39R_TKO03A98	A	JM84	0	25	S	8	25	IM	0	25	S	3	23	IM						0	S																Class VII water
2-TKO010.64	VAP-H39R_TKO01A98	A	JM84	0	12	S	0	12	S	1	12	S	4	12	IM																							PWS; no new data since 2012 cycle
2-TLR000.03	VAV-H15R_TLR01A08	A,B	JM36	0	6	S	0	5	S	0	6	S																				IM							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-TLR000.05	VAV-H15R_TLR01A08	A	JM36	0	29	S	0	27	S	0	29	S	13	29	IM						0	S																WQS - Basin 2B: Section 10: Class III: Special Standards:
2-TLR000.52	VAV-H15R_TLR01A08	A,B,FPM	JM36	0	1	W	0	1	W	0	1	W	0	1	W																	IM							1 sediment sample exceeded the screening value for DDE, DDT and Total DDT WQS - Basin 2B: Section 10: Class III: Special Standards:
2-TNR000.25	VAC-H12R_TNR01A08	A	JM29	0	24	S	0	24	S	0	24	S	8	24	IM						0	S																
2-TNY000.51	VAC-J05R_TNY01A04	A,TM	JA10	2	10	IM	0	10	S	1	10	S	2	10	IM																							Appomattox Basin TMDL
2-TOT001.01	VAV-H17L_TOT01A04	L	JM44	0	65	S	5	30	IM	0	65	S	0	13	S						0	S													1	2		Insufficient to assess for nutrients, one year supporting, one non-supporting, need more data. Newly impaired for DO in 2012 WQS - Basin 2B: Section 10e: Class III Special Standards: PWS

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-TOT002.61	VAV-H17R_TOT02A00	A	JM44	0	12	S	0	11	S	0	12	S	2	12	IM																						WQS - Basin 2B: Section 10e: Class III: Special Standards: PWS
2-TPN003.59	VAC-H22R_TPN01A08	TM	JM55	0	11	S	0	11	S	0	10	S	4	12	IM						0	S															2008 Slate TMDL Phosphorus consistently high - OE
2-TRH000.40	VAC-H11L_TRH01A02	L	JM28	0	99	S	1	33	S	24	99	IM	1	14	S						0	S	0	S	0	S							2	2		2011-2012 Thrashers Creek Reservoir Both years exceed 90th percentile for Chl A pH Violation due to Natural Conditions
2-TRO002.23	VAP-J17R_TRO01A00	TM	JA42	0	12	S	0	11	S	0	12	S																									No new data since 2010 cycle
2-TSC-TKY01-SW	VAV-H30R_TSC01A14	CMON	JR18																												FS						WQS - Basin 2B: Section 10s: Class III: Special Standards: PWS
2-TWN-TWN01-SOS	VAV-H28R_TWN01A10	CMON	JR14																												LP						WQS - Basin 2B: Section 10: Class III: Special Standards:
2-TWN-TWN01-SOS	VAV-H28R_TWN01A10	CMON	JR14																												LP						SOS data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-TWN-TWN01-SW	VAV-H28R_TWN01A10	CMON	JR14										3	8	IN/O																IM						Stream Watch Benthic Data Level III; Bacteria Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-TYE000.30	VAV-H13R_TYE01A00	A	JM33	0	12	S	0	12	S	0	12	S	0	12	S																						WQS - Basin 2B: Section 11d: Class III: Special Standards:
2-TYE008.77	VAV-H09R_TYE01A00	A,B	JM27	0	21	S	0	21	S	0	21	S	3	19	IM				0	S	0	S	0	S							FS						WQS - Basin 2B: Section 11d: Class III: Special Standards:
2-TYE017.67	VAV-H09R_TYE02A00	A	JM24	0	12	S	0	12	S	0	12	S	3	12	IM																						WQS - Basin 2B: Section 11d: Class III: Special Standards:
2-TYE020.67	VAV-H09R_TYE02A00	A,B,TR	JM24	0	40	S	0	39	S	0	40	S	6	36	IM																FS						WQS - Basin 2B: Section 11d: Class III: Special Standards: Trend Station
2-TYE024.88	VAV-H09R_TYE03A00	A,B	JM22	0	15	S	0	15	S	0	15	S	1	13	S						0	S									FS						WQS - Basin 2B: Section 11d: Class III: Special Standards:
2-TYE028.94	VAV-H09R_TYE03A00	A,B	JM22	0	4	S	0	4	S	0	4	S	0	2	S				0	S	0	S	0	S							IM						WQS - Basin 2B: Section 11d: Class III: Special Standards:
2-TYE029.94	VAV-H09R_TYE03A00	A	JM22	0	12	S	0	14	S	0	12	S	0	12	S						0	S															WQS - Basin 2B: Section 11d: Class III: Special Standards:
2-TYE032.15	VAV-H09R_TYE04A04	A	JM22	1	12	S	0	12	S	0	12	S	1	12	S						0	S															WQS - Basin 2B: Section 11: Class V: Special Standards:
2-TYE-13-NCMG	VAV-H13R_TYE01A00	CMON	JM33										0	6	IN																						Coli-scan data Level II WQS - Basin 2B: Section 11d: Class III: Special Standards:
2-TYS002.04	VAV-H09R_TYS01A00	A	JM21	0	11	S	0	11	S	0	11	S	0	12	S						0	S															WQS - Basin 2B: Section 11: Class VI: Special Standards:
2VGN-CVW	VAC-J01R_VNS01A02	CMON	JA04										6	43	IM																						Clean Virginia Waterways Station Formerly 2VGN-CVW
2-VNS000.31	VAC-J01R_VNS01A02	A,B,TM	JA04	0	15	S	0	15	S	0	15	S	1	12	IM						0	S									FS						No New Data Appomattox River Basinwide TMDL Study 2008/2012 Bio This stream had increased sediment deposition and moderately unstable banks.
2-VNS002.45	VAC-J01R_VNS01A02	FPM,B	JA04																0	W											J						2003 Probabilistic Monitoring Need additional data in order to accurately characterize this stream; however this site was monitored as part of the probabilistic monitoring program, is accessed via private property, and will not be revisited. The SCI score was near the cutoff for being assessed as fully supporting. Landowner denied access for further sampling.
2-VNS003.75	VAC-J01R_VNS01A02	A	JA04	0	24	S	0	24	S	0	24	S	6	24	IM																						
2-VNS007.73	VAC-J01R_VNS01A02	A	JA04	0	24	S	0	24	S	0	24	S	14	24	IM						0	S															
2-WAL000.44	VAP-J15R_WAL01A12	A	JA40	0	12	S	2	12	IN	0	12	S	1	12	S																						no new data since 2012 cycle
2-WDC-WDU01-SW	VAV-H24R_WDC01A06	CMON	JR05																												FS						Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10i: Class III: Special Standards: PWS
2-WDY003.04	VAP-J11R_WDY01A00	TM,FPM	JA29	0	49	S	6	48	IM	1	49	S	12	48	IM						0	IN															
2-WDY003.12	VAP-J11R_WDY01A00	FPM,B	JA29	0	1	S	0	1	S	0	1	S																			FS						No new data since 2010 cycle
2-WGM003.15	VAP-J11R_WGM01A00	TM	JA29	0	13	S	1	13	S	0	13	S	6	14	IM																						no new data since 2012 cycle
2-WIC000.40	VAC-H06R_WIC01A00	A,B	JM16	0	24	S	0	24	S	0	24	S	8	24	IM						0	S	0	S	0	S					FS						James H05 TMDL Monitoring
2-WIC004.64	VAC-H06R_WIC01A00	FPM	JM16																0	W																	2004 Probabilistic Monitoring
2-WIC012.60	VAC-H06R_WIC02A10	TM	JM16	0	12	S	0	12	S	0	12	S	6	12	IM						0	S															James H05 TMDL Monitoring
2-WKF000.72	VAC-H05R_WKF01A10	A	JM15	0	13	S	0	13	S	0	13	S	2	12	IM						0	S															
2-WLL001.83	VAC-H12R_WLL01A10	FPM,B	JM30	0	5	S	0	5	S	0	5	S	0	1	W				0	W	0	W	0	W	0	W					FS						2007/2009-2010 FPM Low SCI score in fall likely caused by drought that dried riffles within one month of sampling.
2-WLM000.69	VAC-H03R_WLM01A02	FPM,B	JM11	0	6	S	0	6	S	0	6	S	0	2	S				0	W	0	S	0	S	0	S					FS						2007-2008 Bio Excellent habitat and riparian zone. Periphyton and filamentous algae often dominant.
2-WLM002.69	VAC-H03R_WLM01A02	A	JM11	0	12	S	0	12	S	0	12	S	2	12	IM						0	S															Urban Non-Point Source
2-WLS004.27	VAC-H36R_WLS01A00	A,TM,TR	JM70	0	41	S	0	41	S	0	41	S	5	36	IM						0	S															Willis River TMDL EPA Approved 5/31/02
2-WLS021.48	VAC-H36R_WLS01B08	A	JM68	0	12	S	0	12	S	0	12	S	1	12	S						0	S															
2-WLS023.10	VAC-H36R_WLS01B08	FPM,B	JM68	0	1	W	0	1	W	0	1	W	0	1	W				0	W	0	W			0	W					J						2011 Large River FPM Large river non-target for current DEQ sampling techniques. No assessment tool available for large river benthic communities.
2-WLS024.61	VAC-H36R_WLS01B08	FPM,B	JM68	0	3	S	0	3	S	0	3	S							0	S	0	S	0	S	0	S					J	0	0	S	0	0	2001-02 Carryover Probabilistic Monitoring - change benthic assessment to J 2006 FC bacteria: 1/2 = IN 2011 FPM Large river non-target for current DEQ sampling techniques. No assessment tool available for large river benthic communities

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-WLS025.32	VAC-H36R_WLS01B08	A,TM,TR	JM68	0	41	S	1	41	S	0	41	S	8	36	IM						0	S																Willis River TMDL EPA Approved 5/31/02
2-WLS030.32	VAC-H36R_WLS01B08	A	JM66	0	12	S	0	12	S	0	12	S	5	12	IM						0	S																
2-WLS034.22	VAC-H36R_WLS02A06	A,TM	JM66	0	12	S	1	12	S	0	12	S	0	12	S						0	S																Willis River TMDL EPA Approved 5/31/02
2-WLS038.90	VAC-H36R_WLS02A06	A	JM66	0	25	S	1	25	S	0	25	S	0	24	S						0	S																
2-WLS042.78	VAC-H35R_WLS02A04	A,TR	JM64	0	41	S	2	41	S	0	41	S	7	36	IM						0	S																
2-WLS044.78	VAC-H35R_WLS02A04	A,TM	JM64	0	12	S	0	12	S	0	12	S	1	12	S						0	S	0	S	0	S												Willis River TMDL EPA Approved 5/31/02
2-WLS055.54	VAC-H35R_WLS01A04	SS	JM63																																		2006 FC bacteria: 1/1 = IM
2-WLS057.34	VAC-H35R_WLS01A04	SS	JM63																																		2006 FC bacteria: 1/1 = IM
2-WNK003.38	VAP-J14R_WNK01A00	A	JA38	0	17	S	1	17	S	1	17	S	4	17	IM						0	S																PWS
2-WPK-15-FOCR	VAP-J12R_WPK01A98	CMON	JA35	0	58	IN	19	60	IN/O	0	59	IN	0	5	IN																							ACB level II data Class VII
2-WSP001.95	VAC-H35R_WSP01A08	A,C	JM64	0	12	S	0	12	S	0	12	S	4	12	IM														0	S								2014 - Impaired for Bacteria
2-WTK001.50	VAP-J12R_WTK02A00	A,B	JA34	0	11	S	3	11	IM	0	11	S	2	10	IM						0	S									IM							Class VII water, No new data since 2010 cycle
2-WTN001.23	VAC-H21R_WTN01A08	A,C	JM54	0	12	S	0	12	S	0	12	S	1	12	S														0	S								
2-WTN002.50	VAC-H21R_WTN01A08	TM	JM54	0	11	S	0	11	S	0	10	S	1	12	S						0	S																
2-XBG-XBG01-SW	VAV-H31R_BAG01A06	CMON	JR21																											FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 11: Class III: Special Standards:
2-XBI-WIN01-SW	VAV-H29R_XBI01A12	CMON	JR16																											FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10m: Class III: Special Standards: PWS
2-XBK-XAB01-SW	VAV-H31R_XBK01A12	CMON	JR19																											FS							WQS: Class III - Piedmont Zones Waters; Section 11
2-XBK-XAB02-SW	VAV-H31R_XBK01A12	CMON	JR19																											FS							WQS: Class III - Piedmont Zones Waters; Section 11
2-XBK-XAB03-SW	VAV-H31R_XBK01A12	CMON	JR19																											J							WQS: Class III - Piedmont Zones Waters; Section 11
2-XBM-ELK01-SW	VAV-H25R_XBM01A12	CMON	JR06																											FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-XBR-XBB01-SW	VAV-H31R_XBR01A12	CMON	JR19																											FS							WQS: Class III - Piedmont Zones Waters; Section 11
2-XCF-XCF01-SOS	VAV-H32R_XCF01A10	CMON	JR20																											HP							SOS data Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-XCF-XCF01-SW	VAV-H32R_XCF01A10	CMON	JR20										0	8	IN																IM							Stream Watch Benthic Data Level III; Bacteria Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-XDL-XDY01-SW	VAV-H24R_XDL01A12	CMON	JR04																											IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10i: Class III: Special Standards: PWS
2-XDW-PETE-01-NPS	VAP-J15R_XDW01A12	NONA	JA40	0	13	S	0	12	S	1	12	S																									NPS data level III
2-XEP000.44	VAC-J03L_XEP01A06	L	JA14	0	42	S	3	17	IM	0	42	S	1	7	IN						0	S																2004 Goodwin Lake - Category 5A Not listed in Reg
2-XFN-HS1-EVP	VAV-H18R_XFN01A10	CMON	JM46	0	6	IN	0	5	IN	1	6	IN	0	6	S																							Field data Level II; E-coli/toxics data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XFT000.62	VAP-J11R_XFT01A10	TM	JA29	0	38	S	0	37	S	0	38	S	13	39	IM																							
2-XIJ-14-CWT	VAP-H39R_XIJ01A12	CMON	JM85	0	56	IN	0	56	IN	0	72	IN																										previously 2-XIJ-14-FOCR - Chesterfield WaterTrends level 2
2-XKL000.37	VAV-H27R_FTB01A08	A,B	JR11	0	2	S	0	2	S	0	2	S																			IM							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XLK-XLV01-SW	VAV-H23R_LKN01A00	CMON	JR02																											FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10h: Class III: Special Standards: PWS
2-XLU000.10	VAV-H13L_XLU01A04	L	JM32	2	118	S	13	61	IM	6	118	S	0	14	S						0	S												0	2			Fully supporting for nutrients in 2014. Newly impaired for DO in 2014. WQS: Class III Special Standards:
2-XLV002.27	VAV-H28L_XLV01A04	L	JR15	0	122	S	0	30	S	0	122	IM	0	7	S						0	S												0	1			Only one year of Chlor A data, unable to assess for nutrients. pH is a De-list in 2014. WQS: Class III Special Standards: PWS
2-XLW000.60	VAP-J07L_XLW01A00	L	JA21	0	122	S	4	113	S	21	122	IM	0	14	S						0	S												0	2	S		Amelia Lake 'TSI
2-XMM01-SW	VAV-H23R_XMM01A10	CMON	JR02																											FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XMM-XMM01-SOS	VAV-H23R_XMM01A10	CMON	JR02																											LP							SOS data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XMR-XMR01-SW	VAV-H28R_XMR01A12	CMON	JR15																											IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XMW-11-NCMG	VAV-H15R_XMW01A10	CMON	JM36										0	5	IN																							Coli-scan data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XMW-XMW01-SW	VAV-H28R_XMW01A10	CMON	JR14																											IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XNH-CE1-EVP	VAV-H18R_XNH01A10	CMON	JM46	0	6	IN	0	5	IN	0	6	IN	2	6	IM																							Field data Level II; E-coli/toxics data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XNH-CE2-EVP	VAV-H18R_XNH01A10	CMON	JM46	0	6	IN	0	5	IN	3	6	IN/O	4	6	IM																							Field data Level II, E-coli/toxics data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XNH-CSP-EVP	VAV-H18R_XNH01A10	CMON	JM46	0	6	IN	0	5	IN	3	6	IN/O	1	6	IN																							Field data Level II; E-coli/toxics data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XNH-CW2-EVP	VAV-H18R_XNH01A10	CMON	JM46	0	6	IN	0	5	IN	0	6	IN	4	6	IM																							Field data Level II; E-coli/toxics data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XPR-XPR01-SW	VAV-H27R_XPR01A14	CMON	JR12																											FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XPT-XPT01-SOS	VAV-H23R_XPT01A10	CMON	JR02																											HP							SOS data Level II WQS - Basin 2B: Section 10g: Class III: Special Standards: PWS
2-XPT-XPT01-SW	VAV-H23R_XPT01A10	CMON	JR02																											IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10g: Class III: Special Standards: PWS

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
2-XPY-XPY02-SW	VAV-H25R_XPY01A12	CMON	JR06																											IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-XQJ001.12	VAC-J04R_XQJ01A00	SS	JA11																																		Hog Farm Special Study Station
2-XQL000.38	VAC-H21R_XQL01A00	SS	JM51																																		Hog Farm Special Study
2-XQM000.03	VAC-H35R_XQM01A00	SS	JM63	0	6	S	0	6	S	0	6	S																			0	1	W				Hog Farm Special Study Station 2006 FC bacteria: 1/1 = IM
2-XQT-QTR01-SW	VAV-H27R_XQT01A14	CMON	JR10																											J							WQS - Basin 2B: Section 10o: Class III: Special Standards: PWS
2-XRC001.15	VAV-H28R_XRC01A04	B	JR15	0	1	W	0	1	W	0	1	W																			IM							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XRC-XRC01-SOS	VAV-H28R_XRC01A04	CMON	JR15																												HP							SOS data Level II WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XRC-XRC01-SW	VAV-H28R_XRC01A04	CMON	JR15																												IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XRD-XRD01-SW	VAV-H28R_XRD01A12	CMON	JR14																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XRN-FOS01-SW	VAV-H27R_FOS01A12	CMON	JR13																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XRN-XZZ01-SOS	VAV-H31R_XRN01A10	CMON	JR19																												HP							SOS data Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-XRN-XZZ01-SW	VAV-H31R_XRN01A10	CMON	JR19																												IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 11: Class III: Special Standards:
2-XRT-XRT01-SW	VAV-H29R_XRT01A12	CMON	JR17																												J							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XRV-XZW01-SOS	VAV-H26R_XRV01A10	CMON	JR08																												HP							SOS data Level II WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-XRV-XZW01-SW	VAV-H26R_XRV01A10	CMON	JR08																												IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10j: Class III: Special Standards: PWS
2-XRZ-ZRZ01-SW	VAV-H28R_XRZ01A12	CMON	JR14																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XSI-XSI01-SW	VAV-H23R_SIN02A10	CMON	JR02																												IM							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10h: Class III: Special Standards: PWS
2-XSN000.04	VAV-H28R_SNK01A02	A	JR14																						7	O													Sediment samples exceeded the screening value for Benzo_A_Pyrene, Chrysene, Fluoranthene, Phenanthrene, and Pyrene WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XSN000.08	VAV-H28R_SNK01A02	A,B	JR14	0	30	S	0	30	S	0	30	S	11	12	IM						0	S									IM							WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XSN000.19	VAV-H28R_SNK01A02	A	JR14																						7	O													Sediment samples exceeded the screening value for Benzo_A_Pyrene, Benzo_A_Anthracene, Chrysene, Fluoranthene, PAH_Totals, Phenanthrene and Pyrene 'WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XTI-5056-USFS	VAC-H02R_XTI01A12	USFS	JM05																												UN							USFS Level III Bio Assessment
2-XUM001.89	VAC-H08R_XUM01A06	FPM	JM20																0	W																		2002 Probabilistic Monitoring
2-XVX000.62	VAP-H37R_XVX01A06	FPM,B	JM76	0	3	S	0	3	S	0	3	S	0	1	W				0	IN	0	S	0	S							IN							2011 probmon
2-XWM000.40	VAC-H02R_XWM01A06	SS	JM04																																		2004 Pedlar Special Study
2-XWT-XWT01-SW	VAV-H23R_WTB01A12	CMON	JR01																												FS							Stream Watch Benthic Data Level III WQS - Basin 2B: Section 10: Class III: Special Standards:
2-XXA001.43	VAC-H03R_XXA01A08	TM	JM10	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																Lynchburg Area TMDL
2-XXN000.02	VAC-H20R_NOR01A02	SS	JM58																																		
2-XYT000.10	VAP-H39R_XYT01A08	TM	JM84	0	13	S	0	13	S	0	13	S									0	S																PWS - NO3 okay
2-XYT000.83	VAP-H39R_XYT01A08	TM	JM84	0	13	S	0	13	S	0	13	S									0	S																PWS - NO3 okay
2-XYX-XYX01-SW	VAV-H31R_XYX01A10	CMON	JR19										1	8	IN/O						0	S									IM							Stream Watch Benthic Data Level III; Bacteria Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-XYZ-XYZ01-SOS	VAV-H31R_XYX01A10	CMON	JR19																												HP							SOS data Level II WQS - Basin 2B: Section 11: Class III: Special Standards:
2-XZE000.19	VAP-H39R_XZE01A10	A	JM85	0	11	S	5	11	IM	1	11	S	4	11	IM						0	S																No data since 2010 cycle
2-XZF000.85	VAC-H21R_XZF01A10	FPM,B	JM53	0	1	W	0	1	W	0	1	W	0	1	W				0	W	0	W	0	W	0	W					J							2007 FPM UT Bryant Creek is a small stream dominated by beaver activity in a silvicultural watershed. This stream was too dry to sample in fall 2007. Need additional data in order to accurately characterize this stream; however this site was monitored as part of the probabilistic monitoring program, is accessed via private property, and will not be revisited.
2-XZG000.65	VAP-J17R_XZG01A10	TM	JA42	0	12	S	0	11	S	0	12	S																										No new data since 2010 cycle
2-XZH002.69	VAP-H39R_XZH01A10	FPM,B	JM83	0	1	W	0	1	W	0	1	W	0	1	W				0	IN	0	IN	0	S							IN							2007 Probmon; PWS - NO3 ok; no data since 2010 cycle
2-XZN001.15	VAP-J11R_XZN01A10	TM	JA29	0	38	S	3	37	S	0	38	S	39	39	IM																							
5027	VAW-H01R_TRR01A02	USFS	JM01																												UN							1 survey '05 (MAIS 17 VG) Lv. 3.
5105	VAV-H10R_PRS01A00	USFS	JM25																												FS							Assessment Based on SCI Score - WQS - Basin 2B: Section 11: Class VI: Special Standards:
5112	VAC-H02R_POL07B02	USFS	JM04																												UN							MAIS = 15
5547	VAW-H01R_SNO01A02	USFS	JM01																												UN							2 surveys 2007-2008. (Avg. VSCI 70.9). Lv. 3
APP001.53	VAP-J15E_APP02A98	CB,C	JA45		104			104			104										0	S							2	S								VIMS Dataflow BIBI , no new data since 2010 cycle
APP001.83	VAP-J15E_APP02A98	CB	JA45		289			289			730										0	S																VIMS, no new data since 2010 cycle CONMON-o violations out of 441 days 0 violation rate

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Middle)																																					
APP005.55	VAP-J15E_APP02B12	CB	JA45		115			115			115										0	S																VIMS Dataflow, no new data since 2010 cycle
APP007.58	VAP-J15E_APP01A98	CB	JA40		121			121			121										0	S																VIMS Dataflow, no new data since 2010 cycle
APP011.04	VAP-J15E_APP01A98	CB	JA40		106			106			106										0	S																VIMS Dataflow, no new data since 2010 cycle
B4	VAC-H11R_ZZZ01A00	CMON	JM28										0	1	W																							Sweet Briar College Station

* For lake/reservoir NUTRIENTS (i.e. Total Phosphorus or Chlorophyll a), “Exceed” refers to the number of exceedences per monitoring year (April-October) and “Samples” represent the number of monitoring years. A minimum of two monitoring years are required to make a supporting (S) or impaired (IM) assessment determination. Less than two full monitoring years result in an insufficient (IN) determination. Also, nutrients are only assessed in lakes listed in Section 187 of the WQS if there is documented algaecide use.

NOTE: Values in VAHU6 refer to the 6th order watershed in version 4 of Virginia’s portion of the National Watershed Boundary Dataset.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Upper)																																					
5507	VAV-I28R_BLF01A02	USFS	JU60																												FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards:
5558	VAW-I27R_XRO01A12	USFS	JU58																												UN							1 survey 2007 (VSCI 76.7). Lv. 3.
5572	VAW-I18R_SMT01A12	USFS	JU39																												UO							1 survey 2008 (VSCI 59.6). Lv. 3.
5579	VAV-I28R_XRP02A10	USFS	JU60																												J							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class IV: Special Standards:
6006	VAV-I02R_BVN01A02	USFS	JU05																												FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards:
6008	VAV-I17R_PDS01A02	USFS	JU35																												FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class V: Special Standards:
6009	VAV-I14R_MRE01A00	USFS	JU32																												FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards:
6011	VAV-I09R_WLN03A06	USFS	JU23																												FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class IV: Special Standards:
6015	VAV-I02R_XSB01A02	USFS	JU04																												FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class V: Special Standards:
6018	VAV-I14R_PNR01A02	USFS	JU32																												FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards:
6019	VAV-I01R_MYY01A02	USFS	JU03																												FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards:
6032	VAV-I01R_XSE01A02	USFS	JU02																												FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards:
6034	VAV-I01R_JKS01A00	USFS	JU03																												J							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class V: Special Standards:
6035	VAV-I01R_JKS01A00	USFS	JU03																												J							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class V: Special Standards:
6039	VAV-I01R_JKS01A00	USFS	JU02																												FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class V: Special Standards:
02011400	VAV-I01R_JKS01A00	USGS	JU03	2	12	IM															0	S																WQS - Basin 2A: Section 12: Class V: Special Standards:
02011500	VAV-I02R_BCC01A00	USGS	JU07	0	11	S															0	S																WQS - Basin 2A: Section 12: Class VI: Special Standards:
02013000	VAW-I07R_DNP01A00	USGS	JU15	0	12	S																																Temp data only. No additional data beyond the 2010 IR.
02013100	VAW-I09R_JKS05A00	USGS	JU21	0	4	S																																Temp data only.
02014000	VAW-I11R_POT02A02	USGS	JU19	0	12	S																																USGS Temp & Chlorides. No additional data beyond the 2010 IR.
02015700	VAV-I13R_BLP01A00	USGS	JU29	0	9	S															0	S																WQS - Basin 2A: Section 12: Class V: Special Standards:
02016000	VAW-I17R_CWP01A00	USGS	JU36	0	11	S																																Temp data only. No additional data beyond the 2010 IR.
02016500	VAW-I18R_JMS01A00	USGS	JU37	0	12	S																																Temp data only. James R. at Lick Run. No additional data beyond the 2010 IR.
02017500	VAW-I21R_JOB01A00	USGS	JU45	0	9	S																																Temp data only. No additional data beyond the 2010 IR.
02018000	VAW-I22R_CRG02A00	USGS	JU50	0	12	S															0	S																Craig Cr. at Parr. No additional data beyond the 2010 IR.
02020500	VAV-I33R_MRY02A04	USGS	JU65	0	11	S															0	S																WQS - Basin 2A: Section 12: Class IV: Special Standards: pH
02021500	VAV-I33R_MRY02A04	USGS	JU71	0	7	S															0	S																WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH
02024000	VAV-I37R_MRY03A00	USGS	JU81	0	5	S															0	S																WQS - Basin 2A: Section 12: Class IV: Special Standards:
1001	VAV-I29R_RAM01A00	USFS	JU62																												FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards:
1002	VAV-I12R_BES01A00	USFS	JU27																												FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards
1006	VAV-I30R_CFP03A10	USFS	JU63																												FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class IV: Special Standards: pH
1010	VAV-I29R_XEG01A02	USFS	JU61																												FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class IV: Special Standards: pH
2AMLC000.84	VAV-I36R_MLC01A14	A,B,FPM	JU78	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	0	S							FS							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2AWDS000.10	VAV-I35R_WOS01A00	A	JU76	0	12	S	0	11	S	0	12	S	3	12	IM																							WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH
2-BAR010.10	VAW-I23R_BAR01A02	A	JU47	0	12	S	0	12	S	0	12	S	0	11	S																							2012 Temp Delist. No additional data beyond the 2012 IR.
2-BCC004.71	VAV-I02R_BCC01A00	A,TR	JU07	0	70	S	0	65	S	0	67	S	1	71	S						0	S																WQS - Basin 2A: Section 12: Class VI: Special Standards:Trend analysis was performed at station 2-BCC004.71 in the 2006 cycle. No statistically significant trends were detected.
2-BCC010.31	VAV-I02R_BCC02A00	A	JU05	0	12	S	0	12	S	0	12	S	1	12	S						0	S																WQS - Basin 2A: Section 12: Class VI: Special Standards:
2-BCC020.81	VAV-I02R_BCC02A00	A,B	JU05	0	2	S	0	2	S	0	2	S																										Benthic SL in 2004 (improved) WQS - Basin 2A: Section 12: Class VI: Special Standards:
2-BCC026.08	VAV-I02R_BCC03A00	A	JU04	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																WQS - Basin 2A: Section 12: Class VI: Special Standards:
2-BCC-1-SOS	VAV-I02R_BCC01A00	CMON	JU06																												LP							WQS - Basin 2A: Section 12: Class VI: Special Standards:

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Upper)																																					
2-BFN000.07	VAV-I38R_NBF01A00	A	JU83	0	11	S	0	10	S	0	10	S	2	12	IM						0	S																WQS - Basin 2A: Section 12: Class V: Special Standards:
2-BFS000.15	VAV-I38R_SBF01A00	A	JU82	1	24	S	0	21	S	0	23	S	11	24	IM						0	S																WQS - Basin 2A: Section 12: Class VI: Special Standards:
2-BGK002.79	VAW-I18R_BGK01A08	A	JU37	0	9	S	0	9	S	0	9	S	0	9	S						0	S																No additional data beyond the 2008 IR.
2-BKD-1-SOS	VAV-I38R_BLD02A04	CMON	JU85																												LP							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-BKL000.15	VAW-I18R_BKL01A02	A	JU40	0	10	S	0	10	S	0	10	S	1	10	IN						0	S																
2-BLD000.22	VAV-I38R_BLD01A00	A,B	JU85	0	20	S	0	19	S	0	20	S	4	18	IM																FS							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-BLD004.25	VAV-I38R_BLD01A00	A	JU85	0	11	S	0	11	S	0	11	S	2	12	IM																							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-BLD009.49	VAV-I38R_BLD01A00	A,FPM	JU85	0	2	S	0	1	W	0	2	S	0	1	W				0	S	0	S	0	S							FS							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-BLD011.90	VAV-I38R_BLD02A04	A	JU85	0	18	S	0	17	S	0	18	S	8	18	IM																							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-BLD-1-SOS	VAV-I38R_BLD02A04	CMON	JU85																												LP							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-BLP000.79	VAV-I13R_BLP01A00	A,B,TR	JU29	9	69	IM	0	64	S	0	66	S	3	69	S						0	S									FS							WQS - Basin 2A: Section 12: Class V: Special Standards:Trend analysis was performed at station 2-BLP000.79 in the 2006 cycle. No statistically significant trends were detected.
2-BLP015.32	VAV-I13R_BLP02A10	A	JU28	3	11	IM	0	11	S	0	11	S	0	12	IM																							WQS - Basin 2A: Section 12: Class V: Special Standards: No new bacteria data for 2014, remains impaired.
2-BLP-BP0.1-CRPA	VAV-I13R_BLP01A00	CMON	JU29										1	35	IN																							CRPA Level II Coli-scan Data WQS - Basin 2A; Section 12: Class V: Special Standards:
2-BLP-BP3.0-CRPA	VAV-I13R_BLP01A00	CMON	JU29										1	34	IN																							CRPA Level II Coli-scan Data WQS - Basin 2A; Section 12: Class V: Special Standards:
2-BLP-BP9.5-CRPA	VAV-I13R_BLP01A00	CMON	JU29										1	25	IN																							CRPA Level II Coli-scan Data WQS - Basin 2A; Section 12: Class V: Special Standards:
2-BLP-CCL-CRPA	VAV-I13R_BLP01A00	CMON	JU29	2	6	IN/O							0	6	IN																							WQS - Basin 2A: Section 12: Class V: Special Standards:
2BLP-CCL-SOS	VAV-I13R_BLP01A00	CMON	JU29																												LP							WQS - Basin 2A: Section 12: Class V: Special Standards:
2-BLP-LBP-CRPA	VAV-I13R_BLP02A10	CMON	JU28	1	6	IN/O							1	6	IN/O																							WQS - Basin 2A: Section 12: Class V: Special Standards:
2-BLP-McDowell-SOS	VAV-I13R_BLP02A10	CMON	JU28																												LP							WQS - Basin 2A: Section 12: Class V: Special Standards:
2-BLP-UBP-CRPA	VAV-I13R_BLP02A10	CMON	JU28	0	5	IN							1	6	IN/O																							WQS - Basin 2A: Section 12: Class V: Special Standards:
2-BRT000.94	VAV-I31R_BRT01A00	A,B	JU67	0	11	S	0	11	S	0	11	S	0	12	S						0	S									FS							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-BRT004.01	VAV-I31R_BRT01A00	A,B	JU67	0	2	S	0	2	S	0	2	S																			FS							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-BRT-6-SOS	VAV-I31R_BRT01A00	CMON	JU67																												LP							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-BSB000.20	VAW-I17R_BSB01A08	A,B	JU36	0	2	S	0	2	S	0	2	S									0	S									FS							2 surveys 2012 Avg. VSCI 81.1.
2BSP-1-SOS	VAW-I11R_BSP01A02	CMON	JU19																												LP							SOS 1 survey 2007 [3D] Lv. 2.
2-CAT000.34	VAW-I25R_CAT01A00	A	JU53	0	24	S	0	24	S	0	24	S	2	24	S						0	S																Bacteria Delist 2014.
2-CAT007.31	VAW-I25R_CAT01A00	FPM,B	JU53	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							VAW05547-200 (2008). VSCI 61.1. No Sediment PEC exceedances from 2008 data, metals only.
2-CAT023.83	VAW-I25R_CAT04A04	A	JU52	0	23	S	0	23	S	0	23	S	8	24	IM						0	S																
2-CAT025.14	VAW-I25R_CAT04C04	A,B	JU52	0	3	S	0	3	S	0	3	S																			FS							3 surveys 2011-2012 VSCI 69.1. 2012 Delist Gen. Std. Benthic.
2-CAT028.98	VAW-I25R_CAT05A02	FPM,B	JU52	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							VAW05547-304 (2010). No Sediment PEC exceedances from 2010 data, metals only. 2012 Benthic Delist.
2-CAT034.61	VAW-I25R_CAT06A08	A,B	JU52	0	2	S	0	2	S	0	2	S																			FS							1 VSCI survey (2010). 2012 Gen. Std. Benthic Delist.
2CAT-1-SOS	VAW-I25R_CAT02A00	CMON	JU53																												LP							SOS 1 survey 2007 [3D] Lv. 2
2CAT-2-SOS	VAW-I25R_CAT03A00	CMON	JU53																												LP							SOS 1 survey 2007 [3D] Lv. 2
2CAT-3-SOS	VAW-I25R_CAT06A08	CMON	JU52																												LP							SOS 4 surveys 2009-2010 [3D] Lv. 2- One survey Outside Acceptable Date Range.
2CAT-5-SOS	VAW-I25R_CAT05A02	CMON	JU52																												LP							SOS 2 surveys 2010 [3D] Lv. 2- One survey Outside Acceptable Date Range.
2-CEC000.04	VAV-I28R_CEC01A00	A	JU59	0	48	S	0	44	S	0	48	S	6	48	IM																							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CEC003.60	VAV-I28R_CEC01A00	A	JU59	0	48	S	0	44	S	0	48	S	23	48	IM																							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CFP000.02	VAV-I30R_CFP01A00	A,B	JU68	0	3	S	0	3	S	0	3	S																			FS							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CFP004.67	VAV-I30R_CFP02A00	A,TR	JU68	0	71	S	0	67	S	0	68	S	4	71	S						0	S																WQS - Basin 2A: Section 12: Class IV Special Standards:Trend analysis was performed at station 2-CFP004.67 in the 2006 cycle. No statistically significant trends were detected.
2-CFP024.20	VAV-I30R_CFP03A10	A	JU63	0	11	S	0	10	S	0	11	S	3	12	IM						0	S																WQS - Basin 2A: Section 12: Class IV: Special Standards:

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Upper)																																					
2-CFP036.20	VAV-I29R_CFP02A00	A	JU61	0	12	S	0	11	S	0	12	S	1	12	S						0	S																WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CFP-1-SOS	VAV-I30R_CFP01A00	CMON	JU68																											LP							WQS - Basin 2A: Section 12: Class IV: Special Standards: pH
2-CGB001.80	VAV-I33R_CGB01A00	A	JU74	0	5	S	0	4	S	1	5	S	3	5	IM																						WQS - Basin 2A: Section 12a: Class IV: Special Standards: No new data in 2014, pH was 1 of 21 in 2012, still fully supporting.
2-CLL001.99	VAV-I38R_CLL01A00	A	JU84	0	24	S	0	21	S	0	23	S	5	24	IM						0	S																WQS - Basin 2A: Section 12: Class IV: Special Standards: pH
2-CLL003.21	VAV-I38R_CLL01A00	A,B,FPM	JU84	0	4	S	0	3	S	0	4	S	1	2	IN				0	S	0	S		S							IM							WQS - Basin 2A: Section 12: Class IV: Special Standards: pH
2-CRE002.37	VAV-I05R_CRE01A06	A	JU09	3	12	IM	0	12	S	0	12	S	0	13	S						0	S																WQS - Basin 2A: Section 12: Class VI: Special Standards:
2-CRG001.20	VAW-I22R_CRG01A00	A	JU50	0	12	S	0	12	S	0	12	S	1	12	S						0	S	1	O														AQ 2000 nickel (Ni) in Sediment. No additional data beyond the 2010 IR.
2-CRG042.34	VAW-I22R_CRG05A02	A	JU48	0	24	S	0	24	S	0	24	S	1	24	S						0	S																
2-CRG047.95	VAW-I22R_CRG05A02	FPM,B	JU46	0	2	S	0	2	S	0	2	S	0	1	IN						0	S	0	S							FS							2 surveys 2011. Avg. VSCI 70.6. VARS11-232.
2-CRG048.53	VAW-I22R_CRG05A02	A	JU46	0	12	S	0	12	S	1	12	S	2	12	IM						0	S																2012 E.coli initial Listing. No additional data beyond the 2012 IR.
2-CRG062.29	VAW-I19R_CRG02A02	A	JU43	0	24	S	0	24	S	0	24	S	7	24	IM						0	S																2004 Bacteria Listed station. 3/27.
2-CRG074.32	VAW-I19R_CRG03A02	FPM,B	JU41	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	IN	0	S	0	S							FS							2 surveys 2010 VSCI Avg. 69.0.
2-CRG074.47	VAW-I19R_CRG03A02	A	JU41	0	7	S	0	7	S	1	7	IN	1	7	IN						0	S																No additional data beyond the 2012 IR.
2-CRU-CR-CRPA	VAV-I13R_CRU01A06	CMON	JU28	1	6	IN/O							0	6	IN																							WQS - Basin 2A: Section 12: Class VI: Special Standards:
2-CWP002.55	VAW-I17R_CWP01A00	C	JU36																				0	S	0	S	1	O	1	O								'05 FT/Sed total arsenic (As) [Apx E-2] 2 sp.; no '05 sediment PEC exceedances.
2-CWP002.58	VAW-I17R_CWP01A00	A,B,TR	JU36	0	38	S	0	38	S	0	38	S	1	37	S																FS							2 surveys 2011 Avg. VSCI 78.3. Trend Station.
2-CWP015.77	VAV-I16R_CWP01A00	A	JU34	0	12	S	0	12	S	0	12	S	1	12	S																							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CWP025.30	VAV-I16R_CWP01A00	SS	JU34	0	44	S	0	43	S	0	42	S							0	S																		WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CWP042.31	VAV-I14R_CWP01A00	A,B,FPM	JU32	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	0	S							FS							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CWP045.86	VAV-I14R_CWP01A00	A	JU32	0	12	S	0	11	S	0	12	S	1	12	S																							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CWP050.66	VAV-I14R_CWP02A04	A,B	JU30	0	15	S	0	14	S	0	15	S	0	12	S																FS							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CWP068.52	VAV-I12R_CWP01A00	A	JU27	0	7	S	0	6	S	0	7	S	0	7	S																							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CWP-06-SOS	VAV-I14R_CWP01A00	CMON	JU34																											LP							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CWP075.64	VAV-I12R_CWP01A00	A	JU25	0	12	S	0	11	S	0	12	S																										WQS - Basin 2A: Section 12: Class V: Special Standards:
2-CWP-07-SOS	VAV-I14R_CWP01A00	CMON	JU32																											LP							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2CWP-1-SOS	VAW-I17R_CWP01A00	CMON	JU36																											LP							SOS 1 survey 2012 [3D] Lv.2. One survey Outside Acceptable Date Range.
2-CWP-CLL-CRPA	VAV-I12R_CWP01A00	CMON	JU27	0	12	IN							1	12	IN																							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CWP-CP10.0-CRPA	VAW-I17R_CWP02A08	CMON	JU36	0	6	IN							1	6	IN																							E.coli Lv. 2
2-CWP-CP25.3-CRPA	VAV-I16R_CWP01A00	CMON	JU34										0	23	IN																							CRPA Level II Coli-scan Data WQS - Basin 2A; Section 12: Class IV: Special Standards:
2-CWP-CP27.2-CRPA	VAV-I16R_CWP01A00	CMON	JU34										0	1	W																							CRPA Level II Coli-scan Data WQS - Basin 2A; Section 12: Class IV: Special Standards:
2-CWP-CP36.6-CRPA	VAV-I16R_CWP01A00	CMON	JU34										0	35	IN																							CRPA Level II Coli-scan Data WQS - Basin 2A; Section 12: Class IV: Special Standards:
2-CWP-CP37.6-CRPA	VAV-I14R_CWP01A00	CMON	JU32										0	47	IN																							CRPA Level II Coli-scan Data WQS - Basin 2A; Section 12: Class IV: Special Standards:
2-CWP-CP5.8-CRPA	VAW-I17R_CWP01A00	CMON	JU36										0	24	S																							E.coli Lv. 2.
2-CWP-CP64.8-CRPA	VAV-I12R_CWP01A00	CMON	JU27										0	34	IN																							CRPA Level II Coli-scan Data WQS - Basin 2A; Section 12: Class IV: Special Standards:
2-CWP-CPR16.8-SOS	VAV-I16R_CWP01A00	CMON	JU34																											LP							SOS data Level II WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CWP-CPR27.9-SOS	VAV-I16R_CWP01A00	CMON	JU34																											LP							SOS data Level II WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CWP-CPR37.65-SOS	VAV-I14R_CWP01A00	CMON	JU32																											LP							SOS data Level II WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CWP-CPR59.8-CRPA	VAV-I14R_CWP02A04	CMON	JU30										2	42	IN																							CRPA Level II Coli-scan Data WQS - Basin 2A; Section 12: Class IV: Special Standards:
2-CWP-CPR59.8-SOS	VAV-I14R_CWP02A04	CMON	JU30																											LP							SOS data Level II WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CWP-CpR-SOS	VAV-I12R_CWP01A00	CMON	JU27																											LP							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CWP-Walton Tract-SOS	VAV-I16R_CWP01A00	CMON	JU34																											MP							WQS - Basin 2A: Section 12: Class IV: Special Standards:

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Upper)																																					
2-CWP-WC Lower-SOS	VAV-I16R_CWP01A00	CMON	JU34																											LP							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-CWP-WT-CRPA	VAV-I16R_CWP01A00	CMON	JU34	0	9	IN							0	9	IN																							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-DCK003.94	VAW-I21R_DCK01A06	FPM,B	JU44	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							2 surveys 2011 Avg. VSCI 72.7. FW08VA005.
2-DDY000.75	VAV-I30R_DDY01A06	A,B,FPM	JU63	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S		S							FS							WQS - Basin 2A: Section 12: Class IV: Special Standards: pH
2-DNP001.98	VAW-I07R_DNP01A00	A,TR	JU15	0	24	S	0	24	S	0	24	S	2	24	S						0	S																2012 Bacteria Delist.
2-DNP018.47	VAW-I07R_DNP05A06	A	JU13	0	12	S	0	12	S	0	12	S	0	12	S						0	S																
2-DUN-01-SOS	VAV-I14R_DUN02A10	CMON	JU31																											LP							WQS - Basin 2A: Section 12: Class VI: Special Standards:
2-ELK001.37	VAV-I28R_ELK01A00	A	JU60	0	10	S	0	10	S	0	10	S	2	10	IM																							WQS - Basin 2A: Section 12: Class IV: Special Standards: This station also used to assess AU VAV-I28R_ELK04A10.
2-ELS000.08	VAW-I26R_ELS01A02	TM	JU55	0	3	IM	0	3	S	0	3	S	1	3	IM						0	S																No additional data beyond 2008 IR. Nested Bacteria TMDL Load Duration Study EPA Approved 06/21/2004. TMDL IP SWCB approved 4/28/2009. No additional Temp data beyond 2008 IR. 2004 Temp: 2/18- 'IM'.
2ELS-1-SOS	VAW-I26R_ELS01A02	CMON	JU55																											LP							SOS 1 survey 2007 [3D] Lv. 2
2-GIM002.52	VAV-I33R_GIM01A12	A,B,FPM	JU75	0	1	W	0	1	W	0	1	W	1	1	W				0	S	0	S		S							FS							WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH
2-HAM000.37	VAW-I25R_HAM01A02	FPM,B	JU52	0	3	S	0	3	S	0	3	S	0	1	IN				0	IN	0	S									FS							VARS11-015 - 3 surveys 2012. Avg. VSCI 73.1.
2-HKY001.26	VAW-I03R_HKY01A12	FPM,B	JU08	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							VAW05547-272 (2009).
2-HYS000.10	VAV-I34R_HYS01A00	A,B	JU73	0	3	S	0	3	S	0	3	S																			FS							WQS - Basin 2A: Section 12a: Class V-hh: Special Standards: pH
2-HYS001.41	VAV-I34R_HYS01A00	A,B	JU73	0	42	S	0	38	S	0	42	S	9	41	IM																FS							WQS - Basin 2A: Section 12a: Class V-hh: Special Standards: pH
2-HYS002.62	VAV-I34R_HYS01A00	B	JU73	0	1	W	0	1	W	0	1	W																			FS							WQS - Basin 2A: Section 12a: Class V-hh: Special Standards: pH
2-HYS002.83	VAV-I34R_HYS01A00	A,B	JU73	0	2	S	0	2	S	0	2	S																			FS							WQS - Basin 2A: Section 12a: Class V-hh: Special Standards: pH
2-HYS003.45	VAV-I34R_HYS01A00	A,B	JU73	0	2	S	0	2	S	0	2	S																			FS							WQS - Basin 2A: Section 12a: Class V-hh: Special Standards: pH
2-HYS005.45	VAV-I34R_HYS01A00	A,B,FPM	JU73	0	4	S	0	4	S	0	4	S	0	1	W				0	S	0	S	0	S							FS							WQS - Basin 2A: Section 12a: Class V-hh: Special Standards: pH
2-HYS007.46	VAV-I34R_HYS01A00	A	JU73	0	12	S	0	11	S	0	11	S	8	11	IM																FS							WQS - Basin 2A: Section 12a: Class V-hh: Special Standards: pH
2-ISH000.02	VAV-I36R_ISH01A00	A	JU79	2	11	IM	0	10	S	0	10	S	0	12	S						0	S																WQS - Basin 2A: Section 12a: Class V: Special Standards: pH
2-JES000.80	VAW-I27R_JES01A00	A,B	JU57	0	12	S	0	12	S	0	12	S	0	11	S						0	S									FS							1 survey (2008) VSCI 72.6. Nutrient Criteria Special Study in 2008. No additional data beyond the 2010 IR.
2-JKS000.38	VAW-I09R_JKS01A00	A,C,TR	JU24	0	36	S	0	36	S	0	36	S	3	36	IM						0	S	1	O	0	S	1	O										Bacteria DELIST 2014. '05 FT/Sed total arsenic (As) [Apx E-2] 2 sp.; '05 Sediment exceeds nickel (Ni) SV - 48.6 ppm @ 50.3 ppm. Trend Analysis.
2-JKS006.67	VAW-I09R_JKS03A00	A,B,FPM,TM	JU24	0	21	S	0	21	S	0	19	S							0	IN	0	S	1	O							FS							7 VSCI surveys (2007-2008 & 2010-2012) Avg. VSCI 64.6. (Benthic Delisted 2012). FPM Boatable-No Index. 2012. 2000 sediment exceeds nickel (Ni) PEC SV.
2-JKS013.29	VAW-I09R_JKS04A00	A,B,TM	JU21	0	25	S	0	25	S	0	23	S							0	S	0	S									IM							5 VSCI surveys (2007-2008 & 2010-2012) Avg. VSCI 53.1.
2-JKS015.60	VAW-I09R_JKS04A00	A	JU21	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																No additional data beyond the 2010 IR.
2-JKS018.68	VAW-I09R_JKS04A00	A,B,TM	JU21	0	41	S	0	41	S	0	39	S	7	24	IM				0	S	0	S									IM							6 surveys (2007-2008 & 2010-2012) Avg. VSCI 49.4.
2-JKS020.41	VAW-I09R_JKS05A00	FPM,B	JU21	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							IM							VAW05547-088 (2007). Avg. VSCI 48.1. No PEC sediment exceedances from 2007 data; metals only.
2-JKS022.78	VAW-I09R_JKS05A00	A	JU21	0	11	S	0	11	S	0	11	S	1	12	S						0	S																No additional data beyond the 2010 IR.
2-JKS023.61	VAW-I09R_JKS06A00	A,B,FPM,TM,TR	JU21	0	50	S	0	50	S	0	48	S	16	36	IM				0	S	0	S									IM							7 VSCI surveys (2007-2008 & 2010-2012) Avg. VSCI 34.4. FPM Boatable-No Index. Bacteria (FC) De-List 2004; basis E. coli (I04 & I09 EPA approved 10/2005). Returns 2008 Listed E. coli. 2012 Trend Analysis.
2-JKS023.88	VAW-I09R_JKS06A00	C	JU21																				1	O	0	S	0	S	1	IM							'05 FT/Sed PCB [Apx E-1] 1 sp. 5 sizes; sediment zinc (Zn).
2-JKS026.01	VAW-I04R_JKS03A00	A,TM	JU11	1	5	S	0	4	S	0	3	S	0	3	S																							
2-JKS028.69	VAW-I04R_JKS03A00	FPM,B	JU11	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	IN	0	S	0	S							W							PWS. VAEQ99-431 (2004)- 2 VSCI surveys (2004). No PEC exceedances from 2004 data. FPM Boatable-No Index. Not assessed.
2-JKS030.65	VAW-I04R_JKS03A00	A,B,TM,TR	JU11	0	40	S	0	41	S	0	40	S	2	36	S				0	S	0	S									FS							2 VSCI surveys (2007 & 2010). 2012 Trend Analysis.
2-JKS036.11	VAW-I04R_JKS04A00	TM	JU10	0	3	S	0	3	S	0	3	S									0	S																
2-JKS038.61	VAW-I04R_JKS05A02	FPM,B	JU10	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							W							FPM Boatable-No Index VAW05547-216. Not assessed.
2-JKS044.10	VAW-I04R_JKS05A02	A,TM	JU10	0	11	S	0	11	S	0	11	S			S				0	S	0	S																
2-JKS044.60	VAW-I03L_JKS01A02	A,L	JU08	0	310	S	0	131	S	0	26	S	0	14	S						0	S												0	2			Lake Moomaw Pooled Data: Temp 0 / 815 (S); DO 4 / 427 (S); pH 0 / 86 (S); CHL A 0 / 2 (S). No additional data beyond 2012 IR.
2-JKS046.40	VAW-I03L_JKS01A02	A,L	JU08	0	281	S	4	138	S	0	24	S	0	14	S						0	S												0	2			Lake Moomaw Pooled Data: Temp 0 / 815 (S); DO 4 / 427 (S); pH 0 / 86 (S); CHL A 0 / 2 (S). No additional data beyond 2012 IR.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Upper)																																					
2-JKS047.06	VAW-I03L_JKS02A02	C	JU08																				0	S	0	S	2	O	0	S								'05 FT/Sed total arsenic (As) [Apx E-2] 2 sp. mercury (Hg) [Apx E-1] 1 sp.; No PEC sediment exceedances. Former stations 2008 IR 2-JKS047.07, *.08, *.09 combined in 2010. Historical Info: '01 FT/Sed no exceedances; No PEC sediment exceedances.
2-JKS048.90	VAW-I03L_JKS02A02	A,L	JU08	0	188	S	0	122	S	0	24	S	0	14	S						0	S																Lake Moomaw Pooled Data: Temp 0 / 815 (S); DO 4 / 427 (S); pH 0 / 86 (S); CHL A 0 / 2 (S). No additional data beyond 2012 IR.
2-JKS053.48	VAW-I03L_JKS03A02	A,L	JU08	0	36	S	0	36	S	0	12	S	0	14	S						0	S																Lake Moomaw Pooled Data: Temp 0 / 815 (S); DO 4 / 427 (S); pH 0 / 86 (S); CHL A 0 / 2 (S). No additional data beyond 2012 IR.
2-JKS058.60	VAV-I01R_JKS01A00	A,TR	JU03	9	36	IM	0	36	S	0	36	S	2	36	S																							WQS - Basin 2A: Section 12: Class V: Special Standards:Trend analysis was performed at station 2-JKS058.60 in the 2006 cycle. No statistically significant trends were detected.
2-JKS067.00	VAV-I01R_JKS01A00	A,B	JU03	0	2	S	0	2	S	0	2	S																				FS						WQS - Basin 2A: Section 12: Class V: Special Standards: 2008 FC bacteria 0/11 = S
2-JKS074.27	VAV-I01R_JKS02A00	A	JU02	3	12	IM	0	12	S	0	12	S	0	12	S						0	S																WQS - Basin 2A: Section 12: Class V: Special Standards:
2-JKS076.16	VAV-I01R_JKS02A00	A,B,FPM	JU02	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S		S								FS						WQS - Basin 2A: Section 12: Class V: Special Standards:
2-JKS086.01	VAV-I01R_JKS02A00	A	JU02	0	12	S	0	11	S	0	12	S	0	12	S																							WQS - Basin 2A: Section 12: Class V: Special Standards:
2-JKS090.90	VAV-I01R_JKS03A04	A	JU01	0	12	S	0	11	S	0	12	S	0	12	S																							WQS - Basin 2A: Section 12: Class V: Special Standards:
2-JKS-6-SOS	VAV-I01R_JKS04A10	CMON	JU01																													LP						WQS - Basin 2A: Section 12: Class VI: Special Standards:
2-JMS299.59	VAW-I27R_JMS01A00	FPM,B	JU58	0	1	IN	0	1	IN	0	1	IN	0	1	IN						0	S	0	S								IN						FPM 2009 Boatable-No Index. No 2009 sediment PEC SV excursions metals only.
2-JMS302.85	VAW-I27R_JMS01A00	A	JU58	0	12	S	0	12	S	0	12	S	0	12	S																							Delisted 2008 for pH. Abnormal fish lesions reported in this area.
2-JMS309.13	VAW-I27R_JMS02A14	A	JU56	0	31	S	0	31	S	0	31	S	3	24	IM				0	S																		Outside Data Window: '05 FT/Sed no exceedances PCB only.
2-JMS312.32	VAW-I24R_JMS01A10	FPM,B	JU54	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	IN	0	IN	1	O								IN						Boatable- no index. VARS11-036. 2011 sediment exceeds nickel PEC SV (48.6) at 48.9.
2-JMS313.85	VAW-I24R_JMS01A10	A	JU54	0	13	S	0	13	S	0	13	S	1	12	S						0	S																Abnormal fish lesions reported in this area 'OE'. No additional data beyond the 2012 IR.
2-JMS326.30	VAW-I24R_JMS01A00	A,B	JU51	0	1	IN	0	1	IN	0	1	IN																				FS						1998 303(d) Gen. Std. (Benthic)- DELISTED 2008. 1 survey 2007. VSCI 74.8. No additional data beyond the 2010 IR (3 surveys 2006-2007; Avg. VSCI 74.6).
2-JMS330.77	VAW-I24R_JMS01A00	A	JU51																																			No additional data beyond the 2008 IR. Abnormal fish lesions reported in this area 'OE'.
2-JMS345.73	VAW-I18R_JMS01A00	A,B	JU37	0	13	S	0	13	S	0	13	S	2	12	S						0	S										FS						2 surveys 2007. Avg. VSCI 61.3. Gen. STD. (Benthic) Delisted 2008 IR. No additional data beyond the 2010 IR.
2-JOB000.39	VAW-I21R_JOB01A00	A	JU45	0	14	S	0	14	S	0	14	S	1	12	IM						0	S																2004 FC bacteria: 2/18- 'IM'. No additional data beyond 2008 IR. No E.coli delist
2-MIA000.79	VAW-I26R_MIA01A04	A,TM	JU55	0	3	S	0	3	S	0	3	S	1	3	IM						0	S																There are no additional data beyond the 2008 IR. Nested Bacteria TMDL Load Duration Study EPA Approved 06/21/2004. TMDL IP SWCB approved 4/28/2009. No additional data beyond 2008 IR.
2MIA-1-SOS	VAW-I26R_MIA01A04	CMON	JU55																													LP						SOS 2 surveys 2012 [3D] Lv. 2. One survey Outside Acceptable Date Range.
2-MIS000.04	VAV-I35R_MIS01A00	A,B	JU76	0	18	S	0	17	S	0	17	S	2	12	IM						0	S										FS						WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH
2-MIT000.04	VAV-I30R_MIT01A02	A	JU66	0	12	S	0	12	S	0	12	S	0	12	IM						0	S																WQS - Basin 2A: Section 12: Class IV: Special Standards: Remains impaired for bacteria in 2014, no new data.
2-MIT010.74	VAV-I30R_MIT02A10	A	JU33	0	11	S	0	11	S	0	11	S	1	11	S						0	S																WQS - Bain 2A: Section 12: Class VI: Special Standards: pH
2-MIU000.77	VAW-I22R_MIU01A02	A,B	JU48	0	3	S	0	3	S	0	3	S																				FS						2014 DELIST Gen. Std. Benthic. 3 surveys 2011-2012. VSCI Avg. 76.5.
2-MIU001.75	VAW-I22R_MIU01A02	A,B	JU48	0	3	S	0	3	S	1	3	IN																				FS						2014 DELIST Gen. Std. Benthic. 3 surveys 2010-2011. Avg. VSCI 63.4.
2-MIU002.97	VAW-I22R_MIU02A02	A,B	JU48	0	3	S	0	3	S	3	3	IM																				W						2014 DELIST Gen. Std. Benthic. 1 VSCI survey 2010 unsuitable for VSCI application-Not assessed. 2012 pH remains Listed.
2-MIV000.39	VAW-I18R_MIV01A00	A	JU39	0	12	S	0	12	S	0	12	S	0	11	S						0	S																2004 Bacteria FC Listed. 3/17-IM. 2012 Bacteria Delist. No additional data beyond the 2012 IR.
2-MIW003.45	VAV-I30R_MIT02A10	B	JU66																													FS						WQS - Basin 2A: Section 12: Class VI: Special Standards:
2-MIW-MC6.2-CRPA	VAV-I30R_MIT02A10	CMON	JU66										0	6	IN																							CRPA Level II Coli-scan Data WQS - Basin 2A; Section 12: Class V: Special Standards:
2-MOR003.60	VAV-I38L_MOR01A10	L	JU83	0	66	S	19	66	IM	18	66	IM																										Chlor A not evaluated, lake not in 187 Regulation. This lake has a DO impairment in the Hypolimnion that is natural. 0/42 vio of DO in epilimnion, 19/66 vio in hypolimnion All TSI OK (< 60) Lake is impaired for pH. WQS - Basin 2A: Section 12: Class

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Upper)																																					
2-MOR003.60	VAV-I38L_MOR01A10	L	JU83	0	41	S	0	42	S	0	42	S	0	7	S						0	S																Chlor A not evaluated, lake not in 187 Regulation. This lake has a DO impairment in the Hypolimnion that is natural. 0/42 vio of DO in epilimnion, 19/66 vio in hypolimnion All TSI OK (< 60) Lake is impaired for pH. WQS - Basin 2A: Section 12:
2-MOU-MOU-01-SOS	VAV-I33R_MOU01A14	CMON	JU74																											HP							WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH
2-MRC002.14	VAV-I36R_MRC01A00	A,B	JU78	0	2	S	0	2	S	0	2	S																			IM							WQS - Basin 2B: Section 12: Class IV: Special Standards: pH
2-MRC003.82	VAV-I36R_MRC01A00	A,B	JU78	0	2	S	0	2	S	0	2	S																			IM							WQS - Basin 2B: Section 12: Class IV: Special Standards: pH
2-MRL002.62	VAV-I36R_MRL01A00	A,B	JU80	0	2	S	0	2	S	0	2	S																			IM							WQS - Basin 2B: Section 12: Class IV: Special Standards: pH
2-MRY000.09	VAV-I37R_MRY01A00	A,C	JU86	0	18	S	0	17	S	0	18	S	0	18	S																							VDH Fish Consumption Advisory (PCB) Data outside 2014 window. WQS - Basin 2B: Section 12: Class IV: Special Standards:
2-MRY000.32	VAV-I37R_MRY01A00	A,B,FPM	JU86	0	1	W	0	1	W	0	1	W																			FS							VDH Fish Consumption (PCB) Advisory WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-MRY002.25	VAV-I37R_MRY01A00	A,B	JU86	0	3	S	0	3	S	0	3	S																			FS							VDH Fish Consumption (PCB) Advisory WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-MRY004.27	VAV-I37R_MRY01A00	A,B	JU86	0	2	S	0	2	S	0	2	S																			FS							VDH Fish Consumption (PCB) Advisory WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-MRY005.39	VAV-I37R_MRY02A00	A	JU81	0	23	S	0	22	S	0	23	S	0	18	S						0	S																VDH Fish Consumption (PCB) Advisory WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-MRY005.58	VAV-I37R_MRY02A00	A,B	JU81	0	3	S	0	3	S	0	3	S																			FS							01 PCBs 3 sp 05 PCBs 3 sp VDH Fish Consumption (PCB) Advisory WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-MRY009.77	VAV-I37R_MRY02A00	A,B	JU81	0	3	S	0	3	S	0	3	S																			FS							04 PCBs VDH Fish Consumption Advisory (PCB) WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-MRY013.88	VAV-I37R_MRY03A00	FPM	JU81	0	1	W	0	1	W	0	1	W	0	1	W				0	S	0	S	0	S														WQS - Basin 2A: Section 12: Class IV: Special Standards: pH Trend analysis was performed at 2-MRY014.78 in the 2006 cycle. No statistically significant trends were detected.
2-MRY014.78	VAV-I37R_MRY03A00	A,TR	JU81	0	71	S	0	68	S	0	69	S	3	71	S						0	S																WQS - Basin 2A: Section 12: Class IV: Special Standards: pHTrend analysis was performed at 2-MRY014.78 in the 2006 cycle. No statistically significant trends were detected.
2-MRY016.62	VAV-I35R_MRY01A00	A,B	JU76	0	15	S	0	15	S	0	15	S	0	12	S																FS							WQS - Basin 2A: Section 12: Class IV: Special Standards: pH
2-MRY020.16	VAV-I35R_MRY01A00	A	JU76	0	41	S	0	40	S	0	39	S																										WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH
2-MRY020.82	VAV-I35R_MRY01A00	A	JU76	0	12	S	0	11	S	0	11	S	0	12	S						0	S																WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH
2-MRY029.32	VAV-I33R_MRY01A00	A	JU74	0	13	S	0	13	S	0	12	S	2	12	S																							WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH . No new bacteria data for 2014, full support carries forward.
2-MRY038.29	VAV-I33R_MRY02A04	A,TR	JU71	0	36	S	0	34	S	0	35	S	4	35	IM																							WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH Trend analysis was performed at station 2-MRY038.29 in the 2012 cycle. Statistically significant trends were detected for the following parameter(s):Temperature (decreasing trend)
2-MRY043.64	VAV-I33R_MRY02A04	A,B	JU71	0	5	S	0	5	S	0	5	S																			FS							WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH
2-MRY-2-SOS	VAV-I33R_MRY01B10	CMON	JU74																											MP							WQS - Basin 2B: Section 12b: Class IV: Special Standards: pH, PWS
2-MRY-C-SOS	VAV-I33R_MRY02A04	CMON	JU71																											HP							WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH
2-OTS000.45	VAV-I34R_OTS01A00	A	JU73	2	36	S	0	32	S	0	35	S	14	35	IM																							WQS - Basin 2A: Section 12a: Class VI: Special Standards:
2-PGH002.44	VAV-I37R_PGH01A00	A	JU86	0	12	S	0	12	S	0	12	S	5	12	IM																							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-PMC000.59	VAW-I09R_PMC01A02	FPM,B	JU21	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	1	O							FS							VAW05547-316 (2010). Avg. VSCI 77.3.
2-POT000.12	VAW-I11R_POT01A00	A,TR	JU20	0	37	S	0	37	S	0	37	S	3	36	S						0	S																Trend Analysis.
2-POT007.48	VAW-I11R_POT02A02	A	JU19	0	12	S	0	12	S	0	12	S	2	12	S						0	S																2012 IR. E.coli (2/21- S). No additional data.
2-POT030.66	VAW-I10R_POT03A02	A	JU18	0	3	IM	0	3	S	0	3	IM	0	3	IM						0	S																2004 (2/4-IM) pH Listed. Data insufficient to delist 2012 no additional data (2/16 total records) beyond 2008 IR. 2006 Temp exceeds in July (2) and Sept. (1). Bacteria Listed 2006 (2/8).
2-POT031.78	VAW-I10R_POT02A02	FPM,B	JU18	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							VAW05547-244. 2 (2009) surveys. Avg. VSCI 74.2.
2-PTR007.37	VAW-I22R_PTR01B06	A,B	JU49	0	4	S	0	3	S	0	4	S																			FS							5 surveys 2010-2011. VSCI Avg. VSCI 75.9.
2-PTR008.43	VAW-I22R_PTR01B06	A,B	JU49	0	5	S	0	4	S	0	5	S																			FS							2 surveys 2010-2012. VSCI Avg. 75.5.
2-RAM000.26	VAV-I29R_RAM01A00	A	JU62	1	12	S	0	11	S	0	12	S	1	12	S						0	S																WQS - Basin 2A: Section 12: Class VI: Special Standards:
2-SHW000.04	VAV-I12R_SHW01A00	A	JU27	0	12	S	0	11	S	0	12	S	0	12	S																							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-SHW-SF-CRPA	VAV-I12R_SHW01A00	CMON	JU27	0	6	IN							0	6	IN																							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-SKG001.04	VAW-I18R_SKG01A00	A	JU38	0	12	S	0	12	S	0	12	S	2	12	S						0	S																E.coli initial 303(d) List 2014.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Upper)																																					
2-SMH003.43	VAW-I09L_SMH01A02	A,L	JU24	0	68	S	0	44	S	0	22	S	0	7	S						0	S													0	1		Smith Cr. Reservoir Pooled Data: Temp 0 / 68 (S); DO 0 / 44 (S); pH 0 / 22 (S); CHL A 0 / 1 (IN). No additional data.
2-SMR001.52	VAV-I36R_SMR01A00	A,B	JU77	3	16	IM	1	16	S	3	16	IM	0	6	S						0	S									FS							WQS - Basin 2A: Section 12: Class VI: Special Standards: pH
2-SSC000.25	VAW-I06R_SSC01A02	A	JU12	1	12	S	0	12	S	0	12	S	0	12	S						0	S																2010 DELIST TEMP. No additional data beyond the 2010 IR.
2-STH000.21	VAV-I36R_STH01A00	A,B	JU80	0	15	S	0	15	S	0	15	S	0	12	S															FS							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-STH006.54	VAV-I36R_STH02A10	A	JU78	0	11	S	0	10	S	0	10	S	0	12	S						0	S																WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-STH011.28	VAV-I36R_STH02A10	A	JU78	0	12	S	0	11	S	0	11	S	2	11	IM																						WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-STH014.78	VAV-I36R_STH03A12	A	JU78	0	12	S	0	11	S	0	11	S	0	12	S						0	S																WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-STH-Sou-8-SOS	VAV-I36R_STH01A00	CMON	JU80																											MP							WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-STU000.29	VAV-I15R_STU01A00	A	JU33	0	11	S	0	11	S	0	11	S	1	11	S																						WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-STU-SR3.3-CRPA	VAV-I15R_STU01A00	CMON	JU33										0	6	IN																						CRPA Level II Coli-scan Data WQS - Basin 2A; Section 12: Class IV: Special Standards:
2-SWS000.90	VAW-I22R_SWS01A10	FPM,B	JU50	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	1	O							FS							VAW05547-152 (2008). Avg. VSCI 76.5. Sediment exceeds PEC nickel (NI) SV - 48.6 ppm @ 173ppm from 2008 data.
2TNB-1-SOS	VAW-I25R_TNB01A12	CMON	JU53																											LP							SOS 1 survey 2007 [3D] Lv. 2
2TNB-2-SOS	VAW-I25R_TNB01A12	CMON	JU53																											MP							SOS 1 survey 2007 [3C] Lv.2
2-TTC001.14	VAW-I19R_TTC01A02	A,B	JU41	0	2	S	0	2	S	0	2	S									0	S									FS							2 surveys 2011 VSCI 76.1.
2-WDS000.12	VAV-I35R_WOS01A00	A,B	JU76	0	3	S	0	2	S	0	3	S																			IM							WQS - Basin 2A: Section 12a: Class IV Special Standards: pH
2-WDS002.08	VAV-I35R_WOS01A00	A,B	JU76	0	3	S	0	2	S	0	3	S																			IM							Site degraded since 2006 assessment. WQS - Basin 2A: Section 12a: Class IV Special Standards: pH
2-WKS001.03	VAV-I34R_WKS01A06	A	JU72	0	41	S	0	37	S	0	41	S	8	41	IM																						WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH
2-WKS004.59	VAV-I34R_WKS01A06	A	JU72	0	5	S	0	4	S	0	5	S	1	5	IN																						WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH
2-WKS-WKS-5-SOS	VAV-I34R_WKS01A06	CMON	JU72																											LP							WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH
2-WLN007.36	VAV-I09L_WLN01A00	L	JU23	0	77	S	0	31	S	0	75	S	0	7	S						0	S													0	1		Only one year of Chlor A data, unable to assess for nutrients. WQS - Basin 2A: Section 12: Class IV: Special Standards:
2-WLN009.07	VAV-I09R_WLN03A06	A,B	JU23	0	1	W	0	1	W	0	1	W																			FS							WQS - Basin 2A: Section 12: Class VI: Special Standards:
2-WLN010.35	VAV-I09R_WLN03A06	A,B	JU23	0	1	W	0	1	W	0	1	W																			FS							WQS - Basin 2A: Section 12: Class VI: Special Standards:
2-WLN-D-CB-VDH	VAV-I09L_WLN01A00	NONA	JU23										1	24	S																						WQS - Basin 2A: Section 12: Class IV: Special Standards: DCR Beach data from VDH
2-WLN-D-LB-VDH	VAV-I09L_WLN01A00	NONA	JU23										0	20	S																						WQS - Basin 2A: Section 12: Class IV: Special Standards: DCR Beach data from VDH
2-WLN-D-RB-VDH	VAV-I09L_WLN01A00	NONA	JU23										2	21	S																						WQS - Basin 2A: Section 12: Class IV: Special Standards: DCR Beach data from VDH
2-WLN-Whi-11-SOS	VAV-I35R_WST01A00	CMON	JU76																											LP							WQS - Basin 2A: Section 12b: Class IV: Special Standards: pH
2-WLN-Wilson3-SOS	VAV-I09R_WLN03A06	CMON	JU23																											LP							WQS - Basin 2A: Section 12: Class VI: Special Standards:
2-WOS*-12-SOS	VAV-I35R_WOS01A00	CMON	JU76																											HP							WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH
2-WOS*-2-SOS	VAV-I35R_WOS01A00	CMON	JU76																											LP							WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH
2WOS-Woo-11-SOS	VAV-I35R_WOS01A00	CMON	JU76																											LP							WQS - Basin 2A: Section 12a: Class IV: Special Standards: pH
2-XMW000.72	VAV-I38L_XMW01A04	L	JU84	0	83	S	0	28	S	0	67	S	0	7	S						0	S													1	1		Only one year of Chlor A data, insufficient to assess for nutrients. WQS - Basin 2A: Section 12: Class IV: Special Standards: pH
2-XQO000.02	VAV-I34R_XQO01A04	A,B	JU73	0	2	S	0	2	S	0	2	S																			FS							Benthic SL in 2004 (improved) WQS - Basin 2A: Section 12a: Class IV: Special Standards:
2-XQT000.66	VAW-I11R_XQT01A08	FPM,B	JU20	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	S	0	S	1	O	0	S					W							VAW05547-024 (2006). Sediment exceeds Nickel (Ni - 48.6 ppm @ 62.7 ppm). Benthic not assessed-intermittent stream VSCI may not be applicable.
2-XUL001.67	VAW-I26R_XUL01A10	FPM,B	JU55	0	2	S	0	2	S	0	2	S	1	1	IN				0	IN	0	S	0	S							IM							VAW05547-168 (2008). Carry Over. 2 surveys 2008. Avg. VSCI 42.4. No 2008 sediment PEC exceedances metals only.
2-XZQ000.76	VAW-I19R_XZQ01A08	B	JU43	0	1	IN	0	1	IN																					IN							2014 DELIST Gen. Std. Delist Benthic- Headwater VSCI not applicable. USFS 6578 Lv. 3 Listed 2008.
2ZAB-4-SOS	VAW-I25R_ZAB01A12	CMON	JU52																											LP							SOS 1 survey 2009 [3D] Lv.2
2-ZAE000.24	VAW-I11R_ZAE01A12	B	JU19	0	1	IN	0	1	IN	0	1	IN																			FS							1 survey 2012 VSCI 77.0.
3002	VAW-I09R_SMH03A02	USFS	JU24																											UN							1 survey 2007 (VSCI 86.1) Lv. 3.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
James River Basin (Upper)																																					
3029	VAW-I18R_TRB01A02	USFS	JU38																											UN							1 survey 2011 (VSCI 75.5) Lv. 3.
3038	VAW-I09R_KAR01A00	USFS	JU22																											UN							1 survey 2008 (VSCI 83.9) Lv. 3.
3040	VAW-I11R_LLB02A02	USFS	JU20																											UN							4 surveys 2007-2010 (Avg. VSCI 83.3) Lv. 3.
3057	VAW-I17R_DWN01A08	USFS	JU36																											UN							1 survey 2011 (VSCI 81.2). Lv. 3
3058	VAW-I17R_BSB01A08	USFS	JU36																											UN							1 survey 2011 (VSCI 78.2). Lv. 3
3061	VAW-I07R_XWC01A04	USFS	JU13																											UN							1 survey 2008 (VSCI 74.3). Jerrys Run, UT (XWC) Lv.3.
3066	VAW-I09R_WRC01A02	USFS	JU22																											UN							1 survey 2008 (VSCI 61.5) Lv. 3.
3076	VAW-I07R_JED01A02	USFS	JU13																											UN							1 survey 2008 (VSCI 90.0). Lv. 3.
3080	VAW-I09R_SMH03A02	USFS	JU24																											UN							1 survey 2008 (VSCI 81.7) Lv. 3.
3082	VAW-I09R_ZAC01A12	USFS	JU21																											UN							1 survey 2007 (VSCI 80.3) Lv. 3.
3083	VAW-I11R_LLB01A02	USFS	JU20																											UN							1 survey 2007 (VSCI 74.4) Lv. 3.
3087	VAW-I09R_ZAD01A12	USFS	JU24																											UN							2 surveys 2007-2008 (Avg. VSCI 68.2) Lv. 3.
3088	VAW-I09R_PNE01A02	USFS	JU24																											UN							1 survey 2007 (VSCI 87.0) Lv. 3.
3091	VAW-I17R_SPO01A08	USFS	JU36																											UN							2 surveys 2007 & 2009-2010 (Avg. VSCI 75.9). Lv. 3.
3093	VAW-I08R_THN01A12	USFS	JU14																											UN							1 survey 2008(VSCI 67.30) Lv. 3.
3098	VAV-I09R_XWC01A12	USFS	JU23																											J							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class IV: Special Standards:
3099	VAV-I09R_XWL01A12	USFS	JU23																											FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class IV: Special Standards:
3200	VAW-I04R_JKS05A02	USFS	JU10																											W							2 surveys (MAIS W) both collections Outside Acceptable Date Range. Not assessed
5001	VAV-I36R_SMR01A00	USFS	JU77																											IM							Assessment Based on SCI Score - WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
5014	VAV-I36R_BMC01A00	USFS	JU78																											FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12a: Class VI: Special Standards: pH
5026	VAV-I36R_BBC01A02	USFS	JU79																											FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12a: Class VI: Special Standards: pH
5095	VAV-I36R_SMR03A10	USFS	JU77																											FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 3: Class VI: Special Standards: pH
5096	VAV-I36R_SMR03A10	USFS	JU77																											FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards: pH
5097	VAV-I36R_SMR02A02	USFS	JU77																											FS							Assessment Based on SCI Score - WQS - Basin 2B: Section 11d: Class VI: Special Standards:
5124	VAV-I37R_PCR01A02	USFS	JU81																											FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards: pH
5502	VAW-I27R_CES01A02	USFS	JU57																											UN							2 surveys 2007-2008. (Avg. VSCI 79.7). Lv. 3.
6042	VAV-I14R_DUN02A10	USFS	JU31																											FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class IV: Special Standards:
6043	VAV-I02R_PLB01A12	USFS	JU05																											FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards:
6048	VAV-I17R_PDS01A02	USFS	JU35																											FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class V: Special Standards:
6049	VAV-I15R_LIK01A02	USFS	JU33																											FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards:
6059	VAV-I14R_CUN01A02	USFS	JU31																											FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards:
6060	VAV-I14R_BNY01A02	USFS	JU32																											FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards:
6062	VAV-I15R_LIK01A02	USFS	JU33																											J							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards:
6065	VAV-I02R_FDR01A02	USFS	JU05																											FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards:
6068	VAV-I01R_KLY01A02	USFS	JU02																											FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards:
6069	VAV-I01R_JKS02A00	USFS	JU02																											FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class V: Special Standards:
6070	VAV-I02R_XRH01A02	USFS	JU05																											FS							Assessment Based on SCI Score - WQS - Basin 2A: Section 12: Class VI: Special Standards:
6511	VAW-I23R_CVA01A02	USFS	JU47																											UI							1 survey '05 (MAIS 9 PF) Lv.3. Intermittent stream (4C)
6536	VAW-I22R_WIS01A02	USFS	JU48																											UN							1 survey 2007 (VSCI 83.6). Lv. 3.
6579	VAW-I22R_PTR01B06	USFS	JU49																											UN							1 survey 2007 (VSCI 82.9). Lv. 3.
6580	VAW-I22R_PTR01B06	USFS	JU49																											UN							2 surveys 2008 & 2010 (Avg. VSCI 75.5). Lv. 3.
6582	VAW-I22R_ZAG01A12	USFS	JU49																											UN							4 surveys 2007-2010 (Avg. VSCI 75.8). Lv. 3.
6583	VAW-I22R_SNM01A02	USFS	JU48																											UN							4 surveys 2007-2010 (Avg. VSCI 79.8). Lv. 3.
6584	VAW-I22R_ZAH02A12	USFS	JU48																											UN							3 surveys 2007 & 2009-2010 (Avg. VSCI 79.5). Lv. 3.
8147	VAW-I19R_ZAF01A12	USFS	JU41																											UN							3 surveys 2007-2008 (Avg. VSCI 76.7) Lv. 3.

* For lake/reservoir NUTRIENTS (i.e. Total Phosphorus or Chlorophyll a), "Exceed" refers to the number of exceedences per monitoring year (April-October) and "Samples" represent the number of monitoring years. A minimum of two monitoring years are required to make a supporting (S) or impaired (IM) assessment determination. Less than two full monitoring years result in an insufficient (IN) determination. Also, nutrients are only assessed in lakes listed in Section 187 of the WQS if there is documented algaecide use.

NOTE: Values in VAHU6 refer to the 6th order watershed in version 4 of Virginia's portion of the National Watershed Boundary Dataset.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Samples	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
New River Basin																																					
9-NEW028.95	VAW-N29R_NEW01A02	TM	NE85	0	2	S	0	2	S	0	2	S									1	O																VDH Fish Consumption Advisory issued 8/06/01 PCBs. 2010-2011 PCB water column WQS 640 pg/l- 2010 Wet- 710 pg/l- 'OE'; 399.6 pg/L- 'IN'; 110.4 pg/L- 'FS'.
9-NEW030.15	VAW-N29R_NEW02A02	C,TR	NE83	2	36	S	1	36	S	0	36	S	4	36	S				0	S	0	S	0	S					1	IM								VDH Fish Consumption Advisory issued 8/06/01 PCBs. 2012 FT 1 sp. Carp exceed WQS 20 ppb criterion at 234.0 (1 fish) and 448.1 ppb (2 fish composite). E.coli Delist '08. Trend Analysis.
9-NEW031.00	VAW-N29R_NEW01A02	TM	NE83	0	2	S	0	2	S	0	2	S									1	O																VDH Fish Consumption Advisory issued 8/06/01 PCBs. 2010 PCB water column WQS 640 pg/l- Dry- 66 pg/l- 'FS'; Wet- 841 pg/l- 'OE'.
9-NEW038.71	VAW-N29R_NEW03A02	TM	NE83	0	3	S	0	3	S	0	3	S									1	O			0	S			1	IM								VDH Fish Consumption Advisory issued 8/06/01 PCBs. 2010-2011 PCB water column WQS 640 pg/l 2010 Dry- 129 pg/l- 'FS' Wet 784 pg/l- 'OE'; 2011 Wet 222 pg/L- 'FS'. 2012 FT 2 sp. Exceed Carp (2 fish composite) at 355.6 ppb) and Flatheadd Catfish (1 fish) at 355.6 ppb. 2012 sediment no exceeds PCB only.
9-NEW039.98	VAW-N29R_NEW04A02	TM	NE83	0	2	S	0	2	S	0	2	S									0	S																VDH Fish Consumption Advisory issued 8/06/01 PCBs. 2010 PCB water column WQS 640 pg/l Dry- 175 pg/l- 'FS' Wet 451 pg/l- 'FS'.
9-NEW047.77	VAW-N24R_NEW01A00	TM	NE74	0	4	S	0	4	S	0	4	S									0	S																VDH Fish Consumption Advisory issued 8/06/01 PCBs. 2010-2011 PCB water column WQS 640 pg/L- 2010 Dry- 123 pg/L; 2011 Wet 260 pg/L- 'FS'. 2012 DELIST FT DDE, DDT & H.epoxide station 9-NEW050.70 (2004 List)
9-NEW050.70	VAW-N24R_NEW01A00	C,TM	NE74																						0	S			1	IM								VDH Fish Consumption Advisory issued 8/06/01 PCBs. 2012 FT/Sed 3 sp. Analyzed Carp exceeds WQS criterion of 20 ppb (2 fish composite [67.5 - 71.6 cm] at 419.87 ppb and Channel Catfish (1 fish [58.1 cm] at 23.26 ppb. Remaining species analyzed Flathead Catfish (1 fish [51.4 cm] at 9.60 ppb. No 2012 sediment excursions of the PCB PEC SV (676 ppb) at 3.11 ppb.
9-NEW056.13	VAW-N22R_NEW01A00	FPM	NE63	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	S	0	S	2	O	1	O												VAW05547-052 (2006). No benthic collection. Sediment exceeds lead (Pb) PEC SV 128 ppm at 146 and Lindane SV 4.99 ppb at 6.2 ppb. 1998 sediment exceeds for zinc (Zn). VDH Fish Consumption Advisory (PCB). No additional data beyond the 2008 IR.
9-NEW056.22	VAW-N22R_NEW01A00	A	NE63	0	24	S	0	24	S	0	24	S	1	24	S						0	S																VDH Fish Consumption Advisory PCBs.
9-NEW063.06	VAW-N22R_NEW01A00	FPM,B,TM	NE62	0	4	S	0	4	S	0	4	S	1	2	IN				0	S	0	S	0	S							IN								VAW05547-251- Boatable-No Index. VDH Fish Consumption Advisory issued 8/06/01 PCBs. 2010-2011 PCB water column WQS 640 pg/l- 2010 Dry- 184 pg/l- 'FS'; Wet 637 pg/l- 'FS'; 2011 Dry 186.9- 'FS'; Wet 201.9 pg/L- 'FS'. FPM
9-NEW066.90	VAW-N22R_NEW02A00	A,C	NE62	0	13	S	0	13	S	0	13	S	1	11	S						0	IN			0	S			1	IM								VDH Fish Consumption Advisory issued 8/06/01 PCBs. 2011 PCB water column WQS 640 pg/L- Wet- 460.2 pg/L- 'IN'. 2012 FT/Sed One Carp (1 fish [72 cm]) exceeds the WQS PCB TV at 125.58 ppb. No 2012 excursions of the PCB sediment PEC SV of 676 ppb.
9-NEW070.80	VAW-N22R_NEW03A00	FPM,B,TM	NE59	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	IN									IN								VARS11-027- Boatable- No Index. VDH Fish Consumption Advisory issued 8/06/01 PCBs. 2011 PCB water column WQS 640 pg/L; 262.7 pg/L- 'IN'.
9-NEW075.53	VAW-N22R_NEW05A00	A,C,TM	NE59	0	1	IN	0	1	IN	0	1	IN	0	9	IN						0	S	0	S	0	S			1	IM								VDH Fish Consumption Advisory issued 8/06/01 PCBs. 2010-2011 PCB water column WQS 640 pg/L- 2010 Dry- 127 pg/L- 'FS'; Wet 265 pg/L- 'FS'; 2011 Wet 107.9 pg/L- 'FS'. PWS. VDH Fish Consumption Advisory (PCB). '04 FT PCB [Apx E-1] 1 sp.; sediment no PEC exceedances.
9-NEW079.19	VAW-N22R_NEW05A00	C,TM	NE59																						0	S			1	IM								VDH Fish Consumption Advisory issued 8/06/01 PCBs. 2012 FT/Sed 1 sp. with two exceeding composites analyzed - Carp exceeds WQS criterion of 20 ppb (2 fish composite [67.5 - 76.5 cm] at 53.28 ppb and Carp exceeding (2 fish composite [76.8 - 83.6 cm] at 94.85 ppb. No excursions of the PCB (676 ppb) sediment PEC SV.
03165500	VAS-N08R_NEW02B00	USGS	NE21	0	11	S																																New River At Ivanhoe, VA WatTox Cl 12 measurements
03167000	VAS-N11R_RDC03B04	USGS	NE31	0	12	S															0	S																Reed Creek At Grahams Forge, VA WatTox Cl 12 measurements
03168000	VAW-N16R_NEW01A00	USGS	NE43	0	12	S																																Temp data only. No additional data beyond the 2010 IR.
03171000	VAW-N18R_NEW01A00	USGS	NE57	0	11	S																																Temp data only. No additional data beyond the 2010 IR.
03173000	VAW-N25R_WLK01A00	USGS	NE73	0	12	S																																Temp data only. No additional data beyond the 2010 IR.
03175500	VAW-N32R_WFC01A00	USGS	NE81	0	12	S																																Temp data only. No additional data beyond the 2010 IR.
7001	VAS-N09R_KLN01A00	USFS	NE22																												UN							VSCI: 5/7/2008 85
8023	VAS-N26R_DML01A00	USFS	NE70																												UN							VSCI: 5/20/2011 64 05/20/2010 77 06/07/2007 74
8074	VAS-N26R_DML01A00	USFS	NE70																												UO							VSCI: 6/07/2007 56
8082	VAW-N28R_XFI01A12	USFS	NE75																												UN							2 surveys 2007-2008 (Avg. VSCI 81.4). Lv. 3
8128	VAW-N28R_SNC05A00	USFS	NE75																												UN							3 surveys 2010-2012. (Avg. VSCI 82.0). Lv. 3.
8145	VAW-N28R_XFJ01A12	USFS	NE75																												UN							2 surveys 2008-2009 (Avg. VSCI 66.6). Lv. 3
8160	VAS-N31R_LWC01A04	USFS	NE77																												UN							VSCI: 5/20/2008 71 5/23/2007 78
8165	VAW-N28R_LLB01A04	USFS	NE75																												UN							5 surveys 2007 & 2009-2012 (Avg. VSCI 75.3). Lv.3
9000	VAS-N01R_HTN01A98	USFS	NE02																												UN							VSCI: 6/05/2007 80
9003	VAS-N09R_DEF01A02	USFS	NE23																												UN							VSCI: 5/05/2009 90

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Samples	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
New River Basin																																					
9005	VAS-N02R_WLS01A04	USFS	NE03																												UN							VSCI: 5/14/2008 81 6/07/2007 74
9008	VAS-N02R_LWN01A02	USFS	NE03																												UN							VSCI: 6/07/2007 88
9018	VAS-N02R_WLS02A02	USFS	NE03																												UO							VSCI: 6/05/2007 57
9019	VAS-N02R_BWC01A02	USFS	NE03																												UN							VSCI: 5/14/2008 86 6/05/2007 85
9068	VAS-N09R_DWF01A02	USFS	NE23																												UN							VSCI: 5/05/2009 85
9074	VAS-N09R_FMC01A02	USFS	NE23																												UN							VSCI: 5/05/2009 88
9090	VAS-N08R_PMB01A04	USFS	NE21																												UN							VSCI: 4/30/2008 82
9-ADR000.13	VAW-N35R_ADR01A00	A,TM,	NE85	0	31	S	0	30	S	0	31	S	5	32	IM						0	S																Initial Listing 2010 IR.
9-BBR1-NCNR	VAS-N09R_BBR01A12	CMON	NE23	0	11	S	0	9	S		11	IN		11	IN/O																								At Cedar Springs Road SR 749, Additional Level II Ph 11/ 0 viol 3D EC 11/ 2 viol 3C
9-BCK000.74	VAW-N22R_BCK01A00	A,B,TM	NE61	0	24	S	1	24	S	0	23	S	13	24	IM						0	S																Back Creek Bacteria [Fed ID 24564] and Benthic [Fed. ID 24565] TMDL Studies U.S. EPA approved 6/21/2004. SWCB approved 12/02/2004. Bacteria/Benthic Implementation Plan SWCB approved 7/31/2008. Bacteria originally 303(d) Listed 1996. Benthic originally 303(d) Listed 2002.
9-BCK009.47	VAW-N22R_BCK01A00	A,B,TM,TR	NE61	0	26	S	1	26	S	0	25	S	24	24	IM						0	S										IM							4 surveys 2010-2011. Avg. VSCI 32.6. Back Creek Bacteria [Fed ID 24564] and Benthic [Fed. ID 24565] TMDL Studies U.S. EPA approved 6/21/2004. SWCB approved 12/02/2004. Bacteria/Benthic Implementation Plan SWCB approved 7/31/2008.
9-BCK015.98	VAW-N22R_BCK02A08	A,B,FPM,TM	NE61	0	28	S	1	28	S	0	28	S	17	25	IM				0	IN	0	S										IM							4 surveys 2011 (RB)-2012 (FPM). Avg. VSCI 42.9. No 2012 sediment collection.
9-BFK000.02	VAS-N36R_BFK01A06	SS	NE86	0	1	IN	0	1	IN	0	1	IN																											
9-BHO017.70	VAS-N01R_BHO01A02	A	NE01	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																	
9-BIC000.14	VAW-N21R_BIC01A02	A	NE54	3	24	IM	0	24	S	0	23	S	10	24	IM						0	S																Temp re-Listed 2014. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013. 2010 IR E.coli exceeds in 4/12- 'IM'. 2004 Temp °C Listed. De-List 2010.
9-BMK001.11	VAW-N16R_BMK01A02	A,B	NE42	0	14	S	0	14	S	0	14	S	2	12	S						0	S										FS							2 surveys 2011. Avg. VSCI 68.5.
9BMK-1-NCNR	VAW-N16R_BMK01A02	CMON	NE42	0	6	S	0	6	S	0	6	S	0	6	IN																								DO, Temp & pH Lv. 3 'FS'/E.coli [3C] Lv. 2.
9-BPB000.02	VAS-N36R_BPB01A06	TM	NE86	0	1	IN	0	1	IN	0	1	IN																											30 ft upstream BST confluence
9-BPB000.44	VAS-N36R_BPB01A06	TM	NE86	0	1	IN	0	1	IN	0	1	IN																											Bluefield @ Tazewell Ave
9-BPB003.17	VAS-N36R_BPB01A06	TM	NE86	0	1	IN	0	1	IN	0	1	IN																											Near state line downstream resurgence; part of RARE study in cooperation with WVDEP.
9-BRL1-NCNR	VAS-N02R_BRL01A10	CMON	NE07	0	33	S				0	2	S	20	43	IM																								SR 711 parking lot at the Bridle Creek low water bridge, Additional Level II 2/1 violations 3C
9-BRU003.59	VAS-N06R_BRU01A08	A	NE18	0	12	S	0	12	S	0	12	S	6	12	IM																								Rt. 94 bridge #1010 off 52
9-BSH000.05	VAW-N21R_BSH01A04	A,B	NE52	0	15	S	0	15	S	0	15	S	6	11	IM						0	S										FS							4 surveys 2009-2010. Avg. VSCI 66.3. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013. Bacteria '04 Listed for FC.
9-BST065.06	VAS-N37R_BST01A96	SS	NE88	0	1	IN	0	1	IN	0	1	IN																											Downstream RR trestle in WV
9-BST066.80	VAS-N36R_BST04A02	A,B,TM	NE86	0	32	S	0	28	S	0	32	S	15	30	IM						0	S										IM							SR 717 bridge off Rt 102 @ gage VSCI: 11/06/2008 31.66 05/28/2008 26.06
9-BST069.12	VAS-N36R_BST04A02	TM	NE86	0	1	IN	0	1	IN	0	1	IN																											Bridge upstream Bluefield Westside WWTP
9-BST072.65	VAS-N36R_BST04B02	SS	NE86	0	1	IN	0	1	IN	0	1	IN																											Downstream Bluefield WTP, @ withdrawal
9-BST10-NCNR	VAS-N36R_BST05A02	CMON	NE86	0	19	S	0	18	S		18	IN		18	IN/O																								Off of Route 460 at unnamed street bridge, Additional Level II pH 0/18, E.coli 15/18
9-BST1-NCNR	VAS-N36R_BST05A02	CMON	NE86	0	19	S	0	19	S		19	IN		19	IN/O																								South 460/19 left onto Augenbaugh bridge, Additional Level II ph 0/19, E.coli 11/19
9-BST2.2-NCNR	VAS-N37R_LRR01A94	CMON	NE88	0	8	S	0	8	S		8	IN		8	IN/O																								Hwy 102 sample on bridge .10 from VA/WV line, Additional Level II ph 0/8, E.coli 8/8
9-BST2-NCNR	VAS-N37R_LRR01A94	CMON	NE88	0	2	S	0	2	S		2	IN		2	IN																								On Hwy 102 77.5 yards from State Route 741, Additional Level II ph 0/2, E.coli 1/2
9-BST3.2-NCNR	VAS-N36R_BST04A02	CMON	NE88	0	3	S	0	3	S		3	IN		3	IN/O																								0.12 Miles N on Hwy 102 from state route 643 Level II ph 0/3, E.coli 2/3
9-BST3-NCNR	VAS-N36R_BST04A02	CMON	NE88	0	7	S	0	7	S		7	IN		7	IN/O																								where SR 643 and 102 come together, Additional Level II E.coli 7/7, pH 0/7
9-BST4-NCNR	VAS-N36R_WVC01A06	CMON	NE86	0	10	S	0	10	S		10	IN		10	IN/O																								From Trail of the Lonesome Pine/19 turn onto Mill St. at the first low water bridge, Additional Level II ph 0/10, E.coli 6/10
9-BST5-NCNR	VAS-N36R_BST03A00	CMON	NE86	0	10	S	0	10	S		10	IN		10	IN/O																								Camp Joy Road at first bridge from Rt 19 S, Additional Level II E.coli 4/10, pH 0/10
9-CAB000.02	VAS-N01R_CAB01A02	A,B	NE02	0	2	S	0	2	S	0	2	S																											East of Mount Rogers School, off Rt. 58; just above con. w/Helton Creek VSCI: 10/24/2011 84.18 06/01/2011 80.91

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Samples	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
New River Basin																																					
9-CBC001.00	VAW-N18R_CBC01A00	A,B,TM	NE58	0	26	S	0	26	S	0	25	S	6	24	IM						0	S									IM							2 surveys 2008. Avg. VSCI 55.0. Bacteria [Fed ID: 18594 / 23406] & Benthic[Fed ID 18595 / 23406] Crab Creek General Standard - Benthic TMDL Study U.S. EPA approved 8/10/2004. SWCB approved 12/02/2004.
9-CBC004.38	VAW-N18R_CBC03A00	A,B,TM	NE58	0	14	S	0	14	S	0	13	S	4	12	IM						0	S									IM							2 surveys 2008. Avg. VSCI 53.0. No additional data beyond the 2010 IR where Ecoli exceeds in 14 / 35- 'IM'. Bacteria & Benthic (Sediment) TMDLs Approved 08/10/2004. No additional data beyond the 2010 IR.
9-CBC006.35	VAW-N18R_CBC04A00	A,B,TM	NE58	0	14	S	0	14	S	0	13	S	4	12	IM						0	S									IM							2 surveys 2008. Avg. VSCI 39.4. No additional data beyond 2010 IR; Carried Status to '08. Bacteria & Benthic (Sediment) TMDLs Approved 08/10/2004.
9-CBC009.81	VAW-N18R_CBC04A00	A,TM,	NE58	0	3	S	0	2	S	0	3	S	0	3	IM						0	S																No additional data beyond the 2008 IR where E.coli exceeds in 4 / 15- 'IM'. Bacteria & Benthic (Sediment) TMDLs Approved 08/10/2004. No additional data beyond the 2008 IR.
9-CLF000.06	VAS-N32R_CLF01A08	A	NE79	0	12	S	0	12	S	0	12	S	3	12	IM																							SR 665 bridge #6114 off Rt 52
9-CNL000.01	VAW-N18R_CNL01A02	A,TM,	NE57	0	23	S	0	22	S	0	23	S	5	24	IM						0	S																2010 IR E.coli exceeds in 4/12- 'IM'.
9-CPL001.03	VAS-N09R_CPL01B04	A,TM,	NE24	0	13	S	0	7	S	0	13	S	2	8	IM						0	S																near Ivanhoe Ford off SR 639 off Rt 94
9-CPL002.82	VAS-N09R_CPL01A98	A,TM,	NE24	0	12	S	0	6	S	0	12	S	1	12	S						0	S																@ Pierce Mill, SR 641 of Rt 94
9-CPL008.68	VAS-N09R_CPL01A98	A,TM,	NE24	0	12	S	0	6	S	0	12	S	1	11	S						0	S																@ Eagle Furnace SR 642 off SR 619
9-CPL018.37	VAS-N09R_CPL02A98	B,TM	NE23	0	1	IN	0	1	IN	0	1	IN																			FS							SR 619 @ Simmerman, bridge #6193 VSCI: 09/27/2007 77.56
9-CPL018.47	VAS-N09R_CPL02A98	A,TM,	NE23	0	12	S	0	6	S	0	12	S	5	11	IM						0	S																@ Simmerman, bridge #6193 on SR 619
9-CPL022.99	VAS-N09R_CPL02B04	A,TM,	NE23	0	12	S	0	6	S	0	12	S	5	11	IM						0	S																At Andrews Hollow upstream of Speedwell
9-CPL028.10	VAS-N09R_CPL01A04	A,TM,	NE22	0	12	S	0	6	S	0	12	S	0	11	S						0	S																near Cedar Springs, SR 692 bridge #6057
9-CPL2-NCNR	VAS-N09R_CPL02A98	CMON	NE23	0	14	S	0	14	S		14	IN		14	IN/O																								heading North on Hwy21 in Speedwell turn right on SR 619/Saint Peters Rd. Travel 2 miles and monitoring site at bridge, Additional Level II pH 14/ 0 viol 3D EC 14/ 4 viol 3C
9-CPL4-NCNR	VAS-N09R_CPL01A04	CMON	NE22	0	1	IN	0	1	IN		1	IN		1	IN																								One mile upstream of confluence with Big Spring Creek, Additional Level II pH 1/ 0 viol 3D EC 1/ 0 viol 3D
9-CRK003.00	VAS-N07R_CRK01A98	A	NE20	0	12	S	0	10	S	0	11	S	2	12	IM						0	S																SR 635 bridge, Class VI
9-CRK015.69	VAS-N07R_CRK02A04	A	NE20	3	12	IM	0	10	S	0	11	S	6	12	IM						0	S																Bridge #1078 of Rt 58, SW of Woodlawn
9-CRK020.79	VAS-N07R_CRK01A04	A	NE20	0	12	S	0	10	S	0	11	S	3	11	IM						0	S																near Woodlawn SR 620 bridge #6490, Class VI
9-CST002.64	VAS-N06R_CST01A94	A,B	NE17	0	14	S	0	14	S	0	14	S	3	12	IM																FS							SR 793 bridge #6002 off SR 607 off 721 VSCI: 05/13/2010 67.38 04/28/2009 66.89
9-CST005.73	VAS-N06R_CST01A94	FPM,B	NE17	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							IM							SE Chestnut Yard VSCI: 11/16/2009 65.29 04/28/2009 52.33
9-CST016.82	VAS-N06R_CST04A98	A,TR	NE17	0	12	S	0	10	S	0	11	S	3	12	IM						0	S																Pvt. Bridge. off SR 608 off 97
9-CVR003.88	VAS-N12R_CVR01A00	A	NE30	0	11	S	0	11	S	0	11	S	5	11	IM																								SR 647 bridge #6030 off Rt 610
9-CVR013.36	VAS-N12R_CVR01A00	A	NE30	0	1	IN	0	1	IN	0	1	IN	0	1	IN																								SR 603 bridge #6005
9-DDD001.00	VAW-N20R_DDD01A00	A,TM,	NE51	4	36	IM	0	36	S	0	35	S	16	36	IM						0	S																Dodd Creek Bacteria TMDL Study U.S. EPA approved on 12/11/2002. Fed ID 9456 / 23407. SWCB approved 6/17/2004. Bacteria Implementation Plan complete 7/2007. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013.
9-DDD002.62	VAW-N20R_DDD01A00	A,TM,C	NE51	4	36	IM	0	36	S	0	35	S	21	36	IM						0	S	0	S	0	S	1	O	0	S								Dodd Creek Bacteria TMDL Study U.S. EPA approved on 12/11/2002. Fed ID 9456 / 23407. SWCB approved 6/17/2004. Bacteria Implementation Plan complete 7/2007. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013. Bacteria '98 Listed station. 2004 FT arsenic (As) [Apx E-2] 1 sp.; Pb detected 2 sp.; sediment no PEC exceedances.
9-DDD004.64	VAW-N20R_DDD02A00	A	NE51	1	9	IN	0	9	S	0	9	S	2	9	IM				0	S	0	S																No additional data beyond the 2008 IR where E.coli exceed in 2 / 9- 'IM'. Bacteria '98 Listed station. Dodd Creek Bacteria TMDL Study U.S. EPA approved on 12/11/2002. Fed ID 9456 / 23407. SWCB approved 6/17/2004. Bacteria Implementation Plan complete 7/2007. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013.
9DDD-1-NCNR	VAW-N20R_DDD03A02	CMON	NE51	3	15	IM	0	15	S	0	15	S	5	15	IN																								NCNR data DO and pH Lv. 3- 'FS'; Temp 2012 Lv. 3 'IM'. E.coli [3C] Lv. 2. Dodd Creek Bacteria TMDL Study U.S. EPA approved on 12/11/2002. Fed ID 9456 / 23407. SWCB approved 6/17/2004. Bacteria Implementation Plan complete 7/2007.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Samples	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
New River Basin																																					
9-DDW000.02	VAW-N20R_DDW01A02	A,TM,	NE51	5	36	IM	0	36	S	0	35	S	20	36	IM						0	S																Dodd Creek Bacteria TMDL Study U.S. EPA approved on 12/11/2002. Fed ID 9456 / 23407. SWCB approved 6/17/2004. Bacteria Implementation Plan complete 7/2007. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013. SS Temp Natural 2002 (2/2) Listing. 2004 IR Temp IM 2/2; FC 'IM' 4/4.
9-DEN000.03	VAS-N09R_DEN01A10	A,B,TM,SS	NE24	0	13	S	0	7	S	0	13	S	3	12	IM						0	S									FS							South of Porters Crossroads VSCI: 06/12/2008 60.44
9-DPW002.31	VAS-N14R_DPW01A10	FPM,B	NE40	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	S	0	S	0	S							FS							South of Bullard Knob VSCI: 04/23/2008 81.29
9-DYF000.07	VAS-N33R_DYF01A12	A,TM,	NE80	4	24	IM	0	24	S	0	24	S	4	24	IM																							Off 52 on SR 613 bridge #6124 @Rocky Gap
9-DYR1-NCNR	VAS-N09R_DYR01A04	CMON	NE23	0	6	S	0	5	S		6	IN		6	IN																							4,000 feet downstream of west and east forks, Additional Level II pH 6/ 0 viol 3D EC 6/ 0 viol 3D
9-ECM001.01	VAS-N05R_ECM01A14	FPM,B	NE13	0	2	S	0	2	S	0	2	S	1	1	IN				0	S	0	S	0	S							FS							Off SR 658 VSCI: 08/29/2011 68.29 05/31/2011 74.14
9-ECN2-NCNR	VAS-N05R_ECN01A02	CMON	NE13	0	5	S	0	4	S		5	IN		5	IN																							Site 20 yards upstream from confluence of the South and North Branches, Additional Level II pH 0/5, E.coli 0/5
9-ECS1-NCNR	VAS-N05R_ECS01A02	CMON	NE13	0	5	S	0	5	S		5	IN		5	IN																							Site 10 yards upstream from confluence of the South and North Branches, Additional Level II: E.coli 0/5, pH 0/5
9-EKC000.11	VAS-N05R_EKC01A00	A	NE14	0	24	S	0	24	S	0	24	S	4	15	IM						0	S																SR 274 bridge #1009 off Rt 94
9-EKC010.47	VAS-N05R_EKC02A00	A	NE14	0	12	S	0	12	S	0	12	S	6	12	IM																							SR 654 bridge #6031 off SR 660, Class V
9-EKC012.13	VAS-N05R_EKC03A02	A	NE13	0	12	S	0	12	S	0	12	S	8	12	IM																							Wooden bridge on SR 696 off Rt 21, Class V
9-EKC013.81	VAS-N05R_EKC03A02	B,TM	NE13	0	2	S	0	2	S	0	2	S																			J							SW of Lower Elk Creek VSCI: 05/13/2010 63.22 06/10/2009 51.30 10/13/2005 30.03
9-EKC017.51	VAS-N05R_EKC03A02	A,TM,	NE13	0	24	S	0	24	S	0	24	S	13	24	IM						0	S																SR 658 bridge # 6041 on Rt 663, Class V
9-EWL000.06	VAS-N26R_EWL01A10	A,TM,	NE68	0	21	S	0	21	S	0	21	S	4	21	IM						0	S																SR 612 Bridge #6055 crossing near Holly Brook
9-FMC3-NCNR	VAS-N09R_FMC01A02	CMON	NE23	0	1	IN	0	1	IN		1	IN		1	IN																							At intersection with Francis Mill and Cripple Creek Road, Additional Level II pH 1/ 0 viol 3D EC 1/ 0 viol 3D
9-FRS000.16	VAS-N04R_FRS01A10	FPM,B	NE09	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							North side of Buck Mountain VSCI: 10/08/2008 80.27 04/01/2008 78.39
9-FXC000.84	VAS-N03R_FXC01A98	A	NE06	0	12	S	0	11	S	0	12	S	1	12	S						0	S																
9-FXC003.35	VAS-N03R_FXC01A98	A	NE05	0	12	S	0	11	S	0	12	S	3	12	IM						0	S																SR 727 bridge #6244 off SR 711at Pine Br
9-FXC017.18	VAS-N03R_FXC01B02	B,TM	NE05	0	2	S	0	2	S	0	2	S																			FS							Upstream of horse camp at AT, Class VI VSCI: 11/24/2009 86.29 06/09/2009 79.09
9-GLN000.13	VAS-N10R_GLN01A04	A	NE26	0	12	S	0	12	S	1	12	S	2	12	IM																							SR 625 bridge #6023, Class V
9-GRA003.36	VAS-N02R_GRA01A10	A	NE04	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																Bridge on VA856/NC1573 off Rt 16
9-GRP001.29	VAS-N10R_GRP01A14	B	NE26	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	S	0	S									FS							An intermittent stream, north of SR 656 VSCI: 04/24/2012 79.58
9-GSC000.03	VAS-N14R_GSC01A08	A	NE40	0	11	S	0	11	S	0	11	S	4	12	IM																							SR 764 bridge #6194 off SR 693
9-GSC000.44	VAS-N14R_GSC01A08	FPM,B	NE40	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							VSCI: 11/13/2007 69.81 05/02/2007 66.01
9-HCC000.16	VAS-N31R_HCC01A00	B,TM	NE77	0	2	S	0	2	S	0	2	S																			IM							N of Bastian off access road VSCI: 10/13/2011 58.30 05/05/2011 61.71 10/28/2008 68.21 04/16/2008 65.41
9-HCC001.40	VAS-N31R_HCC01A00	A	NE77	0	11	S	0	11	S	0	11	S	2	11	IM																							Bridge #1009 on Rt. 52/21 off I77, Class VI
9-HCC005.57	VAS-N31R_HCC01A00	A	NE77	2	11	IM	0	11	S	0	11	S	1	11	S																							Bridge #6067 on Rt. 646 off Rt. 615, Class VI VSCI: 10/13/11
9-HCC007.83	VAS-N31R_HCC01A00	B,TM	NE77	0	2	S	0	2	S	0	2	S																			IM							Last bridge before Rt. 618 is gated. VSCI: 10/13/2011 57.26 05/05/2011 64.61

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Samples	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
New River Basin																																					
9-HOL000.74	VAS-N10R_HOL01A12	A	NE26	0	12	S	0	11	S	0	12	S	8	12	IM																						Boyer Well Drilling pvt bridge off Rt 617
9-HTN011.64	VAS-N01R_HTN01A98	A	NE02	0	12	S	0	12	S	0	12	S	1	12	S						0	S															Off Rt 751 Fees Branch Road NC RT 1372, Class VI
9-ISL003.05	VAS-N14R_ISL01A12	FPM,B	NE39	0	2	S	0	2	S	0	2	S	1	1	IN				0	S	0	S	0	S							J						between SR 886 and US 221 VSCI: 05/13/2010 54.82 10/12/2010 74.71
9-KBL001.67	VAS-N26R_KBL01A00	A,TM,CMON	NE70	0	24	S	0	24	S	0	23	S	2	24	S						0	S															bridge Rt 667, Bland Correctional Farm
9-KBL007.29	VAS-N26R_KBL02A00	TM	NE70	0	12	S	0	12	S	0	12	S	3	12	IM																						STEEL BRIDGE ON RT 607, 1 MI OFF RT 606
9-KBL011.19	VAS-N26R_KBL03A00	A	NE68	0	11	S	0	11	S	0	10	S	1	11	S						0	S															Rt 606 bridge #6026 crossing nr Kimberling
9-KBL1-NCNR	VAS-N26R_KBL01A00	CMON	NE70	0	58	S	0	61	S		61	IN		59	IN/O																						Off Wilderness Rd. in Bland County, 0.08 miles upstream from 42 Bridge, Additional Level II pH 61/ 0 viol 3D EC 59/15 viol 3C
9-KNB000.03	VAS-N05R_KNB01A06	A,TM,	NE14	0	24	S	0	24	S	0	24	S	12	24	IM						0	S															Bridge # 6028 on 650 off Rt 660
9-KNB003.98	VAS-N05R_KNB01A06	FPM,B	NE14	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS						East of The Pilot VSCI: 04/01/2008 66.78 10/14/2008 64.46
9-KNS002.44	VAS-N09R_KNS01A02	FPM,B	NE22	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS						S of Groseclose Chapel VSCI: 05/27/2009 82.37 11/03/2009 77.85
9-LAC000.56	VAS-N33R_LAC01A00	A,TM,	NE80	0	24	S	0	24	S	0	24	S	4	24	IM																						Bridge #6120 on Rt. 652 off Rt. 628, Class VI
9-LAC002.17	VAS-N33R_LAC01A04	A	NE80	0	24	S	0	24	S	0	24	S	4	24	IM																						Pvt bridge @Laurel Fork Baptist Ch @Rocky Gap
9-LFK005.39	VAS-N33R_LAC01B04	B,TM	NE80	0	4	S	0	4	S	0	4	S																			FS						Near Camp Laurel VSCI: 12/07/2009 68.73 05/21/2009 77.08 10/28/2008 68.70 04/16/2008 77.88
9-LFX000.06	VAS-N03R_LFX01A10	A	NE06	0	11	S	0	10	S	0	11	S	5	11	IM						0	S															Rt 711 culvert below Rt 680 intersection
9-LHC001.92	VAS-N01R_LHC01A02	A	NE02	0	12	S	0	12	S	0	12	S	7	12	IM						0	S															Off Rt. 194 on Francis Road NC RT 1379, Class VI
9-LLK005.25	VAS-N13R_LLK01A04	A	NE35	0	11	S	0	11	S	0	11	S	1	12	S																						Bridge. # 6052 on Rt. 654 off Rt. 58
9-LLL000.05	VAW-N21R_LLL01A04	A,B	NE52	0	16	S	0	16	S	0	16	S	5	12	IM						0	S									FS						4 surveys 2009-2010 & 2012. Avg. VSCI 66.8. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013. Bacteria '04 Listed. No additional data beyond the 2012 IR. 2006 FC bacteria: 5/10- 'IM'.
9-LPR3-NCNR	VAS-N08R_LPR01A12	CMON	NE32	0	14	S	0	15	S		15	IN		15	IN/O																						3,100 feet upstream of I-81 50 feet upstream of first bridge of Conners Valley Road, Additional Level II Ph 15/ 0 violations 3D EC 15/12 vio 3C
9-LRI001.62	VAS-N15R_LRI01A98	A	NE34	0	12	S	0	12	S	0	12	S	4	11	IM																						Bridge. # 6176 on Rt. 607 off 100, Class VI
9-LRI017.64	VAS-N15R_LRI02A08	A	NE34	3	12	IM	0	12	S	0	12	S	5	12	IM																						Low water Bridge. on Rt. 772 off 749 off 52
9-LRI023.48	VAS-N15R_LRI02A08	A	NE34	2	12	IM	0	12	S	0	12	S	6	12	IM																						Bridge. # 6167 on Rt. 881 off 52
9-LRI031.58	VAS-N15R_LRI01B98	A	NE33	0	12	S	0	12	S	0	12	S	3	12	IM																						Bridge. # 6107 on Rt. 703 off 58/221
9-LRI1-NCNR	VAS-N15R_LRI01A98	CMON	NE34	0	1	IN					2	IN		3	IN																						1.0 stream miles upstream of Wythe County line, Additional Level II e.coli 3 ph 2
9-LRR001.39	VAS-N37R_LRR01A94	A	NE88	0	12	S	0	11	S	0	12	S	10	12	IM																						Bridge #1046 on Rt 102/644
9-LRR012.30	VAS-N37R_LRR02A02	FPM,B	NE88	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S									IM						SR 758 near WVA VSCI: 09/24/12 58.38 05/23/12 46.57
9-LRV000.34	VAW-N21R_LRV01A00	A,B	NE56	0	12	S	0	12	S	0	11	S	3	12	IM						0	S															No additional data beyond the 2010 IR. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013. Listed 2004 FC bacteria: 4/26- 'IM'.
9-LRV000.44	VAW-N21L_LRV01A02	A,L	NE56	0	28	S	0	28	S	0	13	S	2	7	IM						0	S												0	1		No additional data beyond the 2012 IR. Little River Reservoir: Temp 0 / 28 (S); DO 0 / 28 (S); pH 0 / 13 (S); CHL A 0 / 1 (IN). Should be considered for removal from 187 List - max depth 6 meters. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013.
9-LRV009.11	VAW-N21R_LRV05A00	A,B,TM,TR	NE55	0	27	S	0	27	S	0	27	S	5	24	IM						0	S									FS						3 surveys 2009-2010. Avg. VSCI 62.4. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013. Listed 2006 FC bacteria: 2/11- 'IM'.
9-LRV016.68	VAW-N21R_LRV06A00	A	NE53	0	12	S	0	12	S	0	12	S	2	12	IM						0	S															No additional data beyond the 2012 IR. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013. Listed 2006 FC bacteria: 2/10- 'IM'.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Samples	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
New River Basin																																					
9-LRV032.72	VAW-N21R_LRV06A04	A,B	NE53	0	5	S	0	5	S	0	5	S									0	S									FS							2014 DELIST Gen. Std. Benthic. 5 surveys 2009-2010 & 2012. Avg. VSCI 68.1. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013. Listed 2004 FC bacteria: 3/8- 'IM'. 2006 FC bacteria: 4/11- 'IM'. No E.coli data. No additional data beyond 2006 IR.
9-LRV044.49	VAW-N19R_LRV01A00	A	NE49	3	12	IM	0	12	S	0	12	S	4	12	IM						0	S																Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013. Dodd Cr. SS. Bacteria TMDL Approved 12/11/2002. 2008 IR Temp exceeds in 2 /12 and E.coli exceeds in 3 / 11- 'IM'.
9-LRV056.74	VAW-N19R_LRV02A00	A,B	NE49	0	4	IM	0	4	S	0	4	S	1	3	IM						0	S									FS							4 surveys 2009-2010. Avg. VSCI 63.0. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013. 2002 Temp Listing (3/16). Bacteria (FC) 2004 Listed 2/11. No additional data beyond the 2008 IR where Temp exceeds in 2 /12 and E.coli exceeds in 3 / 11- 'IM'.
9-LRV065.57	VAW-N19R_LRV03A00	A,B	NE48	1	16	IM	0	16	S	0	16	S	6	12	IM						0	S									FS							4 surveys 2009-2010. Avg. VSCI 68.2. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013. Bacteria (E.coli) 2006 Listed 3 / 9. Temp 2008 Listed- Insufficient data to delist.
9-LRV069.88	VAW-N19R_LRV03A00	A	NE48	0	3	S	0	3	S	0	3	S	1	3	IM						0	S																No additional data beyond the 2008 IR where E.coli exceeds in 4 / 12- 'IM'. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013. Bacteria (E.coli) 2006 Listed 3 / 9.
9LRV-2-SOS	VAW-N21R_LRV05A00	CMON	NE55																											LP							SOS 2 surveys 2007 [3D] Lv.2.
9-LRY000.28	VAW-N24R_LRY01A00	A	NE74	0	6	S	0	6	S	0	6	S	0	6	S						0	S																Bacteria 2002 Listed 3/17. Bacteria De-Listed 2008 IR for E.coli. No additional data beyond the 2010 IR.
9-LRY004.64	VAW-N24R_LRY02A00	A,B	NE74	0	2	S	0	2	S	0	2	S									0	S									FS							2 surveys 2012. Avg. VSCI 82.0.
9LRY-1-NCNR	VAW-N24R_LRY02A00	CMON	NE74	0	7	S	0	6	S	0	7	S	1	7	IN																							NCNR data Temp, DO and pH Lv. 3 'FS'. E.coli [IN] Lv. 2.
9-LTL001.22	VAS-N30R_LTL02A10	A,B,FPM,TM	NE78	0	19	S	0	19	S	0	19	S	6	13	IM				0	S	0	S	0	S							IM							downstream Tazewell Co. Sportsmen Club Lake VSCI: 11/08/2012 64.73 04/23/2012 54.88 05/26/2011 60.51 05/27/2008 53.87 10/02/2007 33.40 04/11/2007 45.59
9-LVR002.65	VAS-N04R_LVR01A98	A	NE11	0	12	S	0	12	S	0	12	S	2	12	IM																							Rt 632 low water bridge off Rt 626, Class VI
9-LWF004.55	VAW-N20R_LWF01A00	A	NE50	1	12	S	0	12	S	0	12	S	5	12	IM																							2012 initial E.coli Listing 5/12- 'IM'. No additional data beyond the 2012 IR.
9-LWK000.77	VAW-N27R_LWK01A00	A	NE72	0	13	S	0	13	S	0	13	S	3	11	IM						1	O																2011 PCB water column WQS 640 pg/L- Wet- 642 pg/L- 'OE'. 2008 IR E.coli exceeds in 5 / 12- 'IM'.
9-LWK004.04	VAW-N27R_LWK01A00	TM	NE72	0	1	IN	0	1	IN	0	1	IN									0	S																2011 PCB water column WQS 640 pg/L- Wet- 539.3 pg/L- 'IN' (single sample). VAW05547-059 (2006). No PEC sediment excursions from 2006 data.
9-MCE000.37	VAS-N10R_MCE01A02	A	NE26	0	12	S	0	12	S	0	12	S	8	12	IM																							Bridge # 6049 on Rt 830 off Rt 680
9-MDR000.34	VAW-N19R_MDR01A04	A	NE48	1	12	S	0	12	S	0	12	S	8	12	IM						0	S																No additional data beyond the 2012 IR where nine of 15 escherichia coli (E.coli) samples exceed. Bacteria (E.coli) 2006 Listed 3 / 9. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013.
9-MDW004.62	VAW-N21R_MDW01A00	A	NE56	0	11	S	0	11	S	0	10	S	6	12	IM						0	S																No additional data beyond the 2010 IR where E.coli exceeds 6 / 12- 'IM'. Mill Creek Bacteria TMDL Study U.S. EPA approved on 6/05/2002. Fed ID 9453 / 19986 / 23409. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/27/2007. Mill Cr. SS. Bacteria '02 Listed. No additional data beyond 2006 IR. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013.
9-MER000.09	VAS-N11R_MER01A06	A	NE31	0	11	S	0	11	S	0	11	S	5	11	IM																							Bridge #6197 on Rt. 614 off Rt. 121
9-MER000.85	VAS-N11R_MER02A10	A	NE31	0	10	S	1	10	S	0	10	S	2	10	IM																							Rt 610, bridge #6010 @Max Meadows
9-MER002.99	VAS-N11R_MER02A10	FPM,B	NE31	0	3	S	0	3	S	0	3	S	0	2	S				0	S	0	S	0	S							FS							Off Rt. 712 VSCI: 11/13/2012 82.77 05/02/2012 68.98
9-MFX000.13	VAS-N03R_MFX02A02	A	NE06	0	12	S	0	11	S	0	12	S	3	12	IM						0	S																Rt. 711 Bridge #6068 at Pine Branch, Class VI
9-MGV000.37	VAS-N11R_MGV01A12	A	NE31	0	11	S	0	11	S	0	11	S	2	11	IM																							Rt 618 culvert @ pvt drive
9-MIR000.28	VAS-N03R_MIR01A02	A	NE05	0	12	S	0	11	S	1	12	S	3	12	IM						0	S																Rt 739 culvert off Rt 658

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Samples	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
New River Basin																																					
9-MLC000.17	VAW-N21R_MLC01A00	TM	NE56	0	1	IN	0	1	IN	0	1	IN	1	1	IN						0	S																Mill Creek Bacteria TMDL Study U.S. EPA approved on 6/05/2002. Fed ID 9453 / 19986 / 23409. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/27/2007. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013. Mill Cr. SS. Bacteria '98 Listed. Bacteria TMDL Approved 06/05/2002. No additional data beyond 2008 IR;2004 FC bacteria: 3/5-'IM'.
9-MLC001.53	VAW-N21R_MLC01A00	A,TM,	NE56	0	36	S	0	36	S	0	35	S	14	36	IM						0	S																Mill Creek Bacteria TMDL Study U.S. EPA approved on 6/05/2002. Fed ID 9453 / 19986 / 23409. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/27/2007. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013.2006 IR FC exceeds 5/8.
9-MLC002.59	VAW-N21R_MLC01A00	TM	NE56	0	36	S	0	36	S	0	35	S	23	36	IM						0	S																Mill Creek Bacteria TMDL Study U.S. EPA approved on 6/05/2002. Fed ID 9453 / 19986 / 23409. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/27/2007. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012. SWCB approved 3/25/2013.
9-MLC005.44	VAW-N21R_MLC02A00	A,B,TM	NE56	0	37	S	0	37	S	0	36	S	18	36	IM						0	S											FS					1 survey 2008. VSCI 62.3. Bacteria '98 Listed. Bacteria TMDL Approved 06/05/2002. No additional data beyond 2006 IR.
9MLC-1-NCNR	VAW-N21R_MLC02A00	CMON	NE56	0	2	S	0	2	S	0	2	S	0	2	IN																							NCNR data Temp, DO and pH Lv. 3 'FS'. E.coli [3D] Lv. 2. Mill Creek Bacteria TMDL Study U.S. EPA approved on 6/05/2002. Fed ID 9453 / 19986 / 23409. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/27/2007.
9MLC-2-NCNR	VAW-N21R_MLC01A00	CMON	NE56	0	22	S	0	18	S	0	22	S	8	20	IN																							NCNR data Temp, DO and pH Lv. 3 'FS'. E.coli [3C] Lv. 2. Mill Creek Bacteria TMDL Study U.S. EPA approved on 6/05/2002. Fed ID 9453 / 19986 / 23409. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/27/2007.
9-MLL000.90	VAW-N32R_MLL01A00	FPM,B	NE81	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S									FS					VAW05547-228- 2 surveys 2009. Avg. VSCI 70.6
9-MRN000.31	VAS-N08R_MRN01A04	A	NE25	0	12	S	0	11	S	0	12	S	7	12	IM						0	S																@ Thorn Ferry, bridge #6251 on Rt 760, Class V
9-MUD000.05	VAS-N36R_MFK01A06	A	NE88	0	12	S	0	11	S	0	12	S	0	12	S																							Bridge. # 1047 on Rt. 102 off Rt. 460
9-NBS000.70	VAS-N26R_NBS01B04	A,TM,SS	NE69	0	24	S	0	34	S	0	23	S	13	23	IM						0	S																Rt 606 bridge W of Holly Brook VSCI: 09/23/2008 62.93
9-NEW081.72	VAW-N18R_NEW01A00	A,TR	NE57	0	37	S	0	37	S	0	36	S	2	36	S				0	S	1	O	1	O	0	S												VDH Fish Consumption Advisory issued 12/02/2004 PCBs. 2010-2011 PCB water column WQS 640 pg/l- 2010 Dry 320 - 'FS'; Wet exceeds at 4,739- 'OE; 2011 Wet 243.7 pg/L. Trend Analysis. AQ 2000 sediment zinc (Zn). VDH Fish Consumption Advisory (PCB).
9-NEW084.34	VAW-N18R_NEW03A00	TM	NE57	0	4	S	0	4	S	0	4	S									0	S																VDH Fish Consumption Advisory issued 12/02/2004 PCBs. 2010 PCB water column WQS 640 pg/L- 2010 Dry 45.7 pg/L- 'FS'; Wet 65.0 pg/L- 'FS'; 2011 Wet 243.10 pg/L- 'FS'; Dry 139.6 pg/L- 'FS'.
9-NEW085.94	VAW-N18R_NEW03A00	C,TM	NE57																						0	S			1	IM								VDH Fish Consumption Advisory issued 12/02/2004 PCBs. 2012 FT/Sed 2 sp. Analyzed - fish tissue analysis finds Flathead Catfish exceeds the PCB WQS TV of 20 ppb. Flathead Catfish (5 fish composite [57.5 - 70.3]) exceeds at 33.74 ppb. Carp (5 fish composite [62.6 - 81.0]) at 11.27 ppb. No 2012 sediment excusions of the PCB PEC SV of 676 ppb.
9-NEW087.14	VAW-N16L_NEW01A02	A,L,TR	NE47	0	1306	S	106	776	IM	4	79	S	0	39	S						0	S													0	2	S	0	2		Claytor Pooled Data: Temp 2 / 5,695 (FS); DO 397 / 3,568 (IM); pH 16 / 466 (FS). TP 1 / 2 (IN); CHL A 1 /2 (IN). NEW-4. pH Delisted 2008. VDH Fish Consumption Advisory issued 12/02/2004 PCBs.
9-NEW088.86	VAW-N16L_NEW01A02	C,TM	NE47																						0	S			1	IM								VDH Fish Consumption Advisory issued 12/02/2004 PCBs. 2012 FT/Sed 6 sp. analyzed. FT analysis finds Flathead Catfish exceeds the PCB WQS TV of 20 ppb. Flathead Catfish (5 fish composite [57.5 - 70.3 cm]) at 86.67 ppb. Carp (4 fish composite [56.5 - 67.0 cm]) at 20.5 ppb; Channel Catfish (1 fish [58.8 cm]) at 7.43 ppb; Largemouth Bass (5 fish composite [32.5 - 34.5 cm]) at 0.36 ppb; Smallmouth Bass (4 fish composite [27.0 - 32.2 cm]) at0.88 ppb; Spotted Bass (3 fish composite [28.8 - 36.8 cm]. No 2012 excursions of the PCB PEC SV of 676 ppb.
9-NEW089.34	VAW-N16L_NEW01A02	A,L,TR	NE47	0	1087	S	59	747	S	5	78	S	1	39	S						0	S													0	2	S	0	2		Claytor Pooled Data: Temp 2 / 5,695 (FS); DO 397 / 3,568 (IM); pH 16 / 466 (FS). TP 1 / 2 (IN); CHL A 1 /2 (IN). NEW-4. pH De-listed 2008.VDH Fish Consumption Advisory issued 12/02/2004 PCBs.
9-NEW092.66	VAW-N16L_NEW01B14	A,L,TR	NE47	0	1108	S	88	787	IM	2	78	S	0	39	S						0	S													0	2	S	0	2		Claytor Pooled Data: Temp 2 / 5,695 (FS); DO 397 / 3,568 (IM); pH 16 / 466 (FS). TP 1 / 2 (IN); CHL A 1 /2 (IN). NEW-4. VDH Fish Consumption Advisory issued 12/02/2004 PCBs.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Samples	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
New River Basin																																					
9-NEW098.32	VAW-N16L_NEW03A02	A,C,TR	NE43	1	509	S	21	457	S	0	113	S	6	74	S						0	S							1	IM								Claytor Pooled Data: Temp 2 / 5,695 (FS); DO 397 / 3,568 (IM); pH 16 / 466 (FS). TP 1 / 2 (IN); CHL A 1 /2 (IN). NEW-4. Trend Analysis. VDH Fish Consumption Advisory issued 12/02/2004 PCBs. 2012 FT 4 sp. Listed as 9-NEW099.90 at Rt. 672 Bridge. ADB reported as 9-NEW098.32. (Lat/Long same). Channel Catfish exceeds WQS TV of 20 ppb; 2 fish composite (70.5 - 71.5 cm) @65.15 ppb; Largemouth Bass (5 fish composite [34.5 - 43.1 cm]) @7.76 ppb; Spotted Bass (5 fish composite [34.2 - 38.2 cm]) @11.00 ppb; and Carp (3 fish composite [45.8 - 56.5 cm]) @6.04 ppb.
9-NEW107.51	VAW-N16R_NEW01A00	A,TR	NE43	0	35	S	0	34	S	0	35	S	3	35	S						0	S																STA #25 ALLSONIA
9-NEW120.38	VAS-N08R_NEW02A02	C	NE25																						0	S			0	S								@ I-77 bridge
9-NEW127.49	VAS-N08R_NEW02B00	A,TR	NE21	0	35	S	0	34	S	0	35	S	3	35	S						0	S																RT 764 OF RT 94 AT IVANHOE APPROX 100 YD
9-NEW148.23	VAS-N06R_NEW01A00	A,TR	NE16	0	35	S	0	33	S	0	34	S	5	34	IM						0	S																RT. 94 BRIDGE W OF GALAX AT GAGE
9-NEW156.29	VAS-N04R_NEW02C06	FPM	NE12	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	S	0	S	0	S														
9-NEW172.45	VAS-N04R_NEW01A98	A	NE10	0	12	S	0	12	S	0	12	S	2	12	IM																							Public boat landing on Rt 700 off 701
9-NEW181.66	VAS-N02R_NEW03C04	A	NE08	0	12	S	0	12	S	1	12	S	2	12	IM						0	S																Rt 601 Bridge Cox Chapel Road
9-NEW187.46	VAS-N02R_NEW02A98	A	NE04	0	12	S	0	12	S	0	12	S	2	11	IM						0	S																OFF RT. 58 AT MOUTH OF WILSON OR RT. 93
9NEW-CL-CB-SP	VAW-N16L_NEW01A02	NONA	NE47										1	20	S																						E.coli Lv. 3 (8 samples Lv. 2 Non-VELAP) Total Samples 28
9NEW-CL-LB-SP	VAW-N16L_NEW01A02	NONA	NE47										1	20	S																						E.coli Lv. 3 (8 samples Lv. 2 Non-VELAP) Total Samples 28
9NEW-CL-RB-SP	VAW-N16L_NEW01A02	NONA	NE47										1	20	S																						E.coli Lv. 3 (8 samples Lv. 2 Non-VELAP) Total Samples 28
9-PBC001.12	VAS-N04R_PBC01A98	A	NE09	0	12	S	0	12	S	0	12	S	4	12	IM																							Bridge #6064 on Rt. 700 off Rt. 697, Class V
9-PBC008.61	VAS-N04R_PBC01B02	A	NE09	0	12	S	0	12	S	0	12	S	3	12	IM																							
9-PKC000.00	VAW-N17L_PKC01A10	A,L,TR	NE46	0	865	S	123	725	IM	3	78	S	0	39	S						0	S	0	S														Claytor Pooled Data: Temp 2 / 5,695 (FS); DO 397 / 3,568 (IM); pH 16 / 466 (FS). TP 1 / 2 (IN); CHL A 1 /2 (IN). PWS. NEW-5. VDH Fish Consumption Advisory issued 12/02/2004 PCBs. 1998 sediment exceeds Zn PEC SV of 459 ppm at 520 ppm- 'OE'.
9-PKC004.16	VAW-N17L_PKC02A10	A,L,TR	NE46	1	77	S	0	76	S	2	40	S	0	38	S						0	S																Claytor Pooled Data: Temp 2 / 5,695 (FS); DO 397 / 3,568 (IM); pH 16 / 466 (FS). TP 1 / 2 (IN); CHL A 1 /2 (IN). PWS. NEW-5. DO & Bacteria De-listed 2008. VDH Fish Consumption Advisory issued 12/02/2004 PCBs. 1999 AQ sediment finds PEC SV excds for cooper (Cu PEC SV of 149 ppm) at 322 and zinc (Zn PEC SV of 459 ppm) at 831. 1998 sediment reports Cu at 610, Zn at 1470 and Pb at 230 ppm.
9-PKC004.65	VAW-N17L_PKC01A10	C,TR	NE46	0	35	S	0	35	S	0	35	S	1	35	S						0	S	2	O	0	S			1	IM								VDH Fish Consumption Advisory issued 12/02/2004 PCBs. 2012 FT/Sed: Channel catfish exceeds WQS criterion of 20 ppb at 33.15 ppb. 5 sp.- LM Bass (5 fish composite [33.4 - 40.8 cm]; @2.68 ppb), Carp 2 sizes (4 fish composite [54.6 - 62.0 cm]; @2.32 ppb) and (4 fish composite [54.6 - 62.0 cm]; @9.16 ppb), SM Bass (3 fish composite [35.3 - 42.6 cm]; @6.90 ppb) and Channel Catfish (2 fish composite [63.1 - 69.0 cm] exceeds @33.15 ppb). No 2012 sediment exceeds of PEC SV (676 ppb). '04 FT PCB [Apx E-1] 3 sp; lead (Pb) detected; No 2004 PEC sediment exceedances. 2000 sediment exceeds PEC SVs for Cu SV of 149 ppm at 326 and 327 ppm and Zn SV of 459 ppm at 894 and 886 ppm- 'OE'.
9-PKC007.80	VAW-N17R_PKC01A00	B,TM	NE46	0	2	S	0	2	S	0	2	S																			IM							2 surveys 2011. Avg. VSCI 46.1. Bacteria & Benthic (Cu/Zn) Peak Creek Benthic TMDL FED ID 7823. US EPA approved 8/30/2004 and SWCB approved 12/02/2004.
9-PKC007.82	VAW-N17R_PKC01A00	C,TM	NE46																						0	S			1	IM								VDH Fish Consumption Advisory issued 12/02/2004 PCBs. 2012 FT/Sed: 3 sp. analyzed -Stoneroller exceeds WQS TV of 20 ppb (15 fish comp. [14.3 - 16.0 cm] at 33.18 ppb, Rock Bass (5 fish comp. [16.7 - 18.6 cm]; @10.49 ppb) and Redbreast Sunfish (5 fish comp. [14.3 - 18.1 cm]; @3.01 ppb). No 2012 PEC SV (676 ppb) sediment excursions at 4.28 ppb
9-PKC009.29	VAW-N17R_PKC01A00	A,B,TM	NE46	0	2	S	0	2	S	0	2	S	1	3	IM						0	S	2	O	0	S					IM							2 surveys 2011. Avg. VSCI 34.5. Bacteria & Benthic (Cu/Zn) Peak Creek Bacteria TMDL FED ID 7824. US EPA approved 8/30/2004 and SWCB approved 12/02/2004. No additional data beyond the 2008 IR.
9-PKC010.75	VAW-N17R_PKC03A06	TM	NE44																		0	S			0	S												2012 PCB water column WQS 640 pg/L- Dry 386.4 pg/L; Wet 191.9 pg/L.
9-PKC011.11	VAW-N17R_PKC03A00	A,B,TM	NE44	0	2	S	0	2	S	0	2	S	0	3	IM						0	S	1	O	2	O					J							2 surveys 2011. Avg. VSCI 54.1. Bacteria & Benthic (Cu/Zn) Peak Creek Bacteria TMDL FED ID 7824. US EPA approved 8/30/2004 and SWCB approved 12/02/2004. 2012 PCB water column WQS 640 pg/L Dry 193.4 pg/L; Wet 175.4 pg/L. AQ 2000 sediment exceedances of PEC SVs for lead (Pb) SV of 128 ppm, zinc (Zn) SV of 459 ppm, DDD SV of 28 ppb and DDE SV 31.3 ppb.
9-PKC016.91	VAW-N17L_PKC01A02	A,L	NE44	0	97	S	0	46	S	0	13	S	0	7	S						0	S												0	1		Gatewood Reservoir Pooled Data: Temp 0 / 151 (S); DO 0 / 83 (S); pH 0 / 27 (S); CHL A 0 / 1 (IN). PWS. No additional data.
9-PKC017.71	VAW-N17L_PKC01A02	A,L	NE44	0	54	S	0	37	S	0	14	S	1	7	IN						0	S																Gatewood Reservoir Pooled Data: Temp 0 / 151 (S); DO 0 / 83 (S); pH 0 / 27 (S); CHL A 0 / 1 (IN). PWS. No additional data.
9-PLM000.60	VAW-N18R_PLM01A00	A	NE57	0	23	S	0	22	S	0	23	S	7	24	IM						1	O																2010 IR E.coli exceeds in 4/12- 'IM'. 9-PLM000.35- (FPM-VAEQ99-302 (2003)) SPMD depolyment finds mirex present above the WQS chronic criterion of zero.
9PLM-2-NCNR	VAW-N18R_PLM02A02	CMON	NE57	0	12	S	0	12	S	0	12	S	0	11	IN																							NCNR data Temp, DO and pH Lv. 3 'FS'. E.coli [3D] Lv. 2. No additional data beyond 2012 IR.
9-PNC000.69	VAW-N19R_PNC01A06	A	NE49	1	3	IM	0	3	S	0	3	S	0	3	IM						0	S																No additional data beyond the 2008 IR where Temp exceeds in 2 / 12 and E.coli exceed in 3 / 11- 'IM'. Bacteria (E.coli) 2006 Listed 3 / 8 & Temp 2 / 12 2008 Listed.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Samples	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
New River Basin																																					
9-PNR000.84	VAS-N08R_PNR01A10	A	NE32	0	12	S	0	11	S	0	12	S	5	12	IM						0	S																Rt 609 bridge off Rt 100
9-PNR1-NCNR	VAS-N08R_PNR01A10	CMON	NE32	0	14	S	0	14	S		14	IN		14	IN/O																						2,000 feet downstream of Wysor Road (Route 100) bridge, Additional Level II pH 14/ 0 viol 3D EC 14/12 viol 3C
9-PNR2-NCNR	VAS-N08R_PNR01A10	CMON	NE32	0	1	IN	0	1	IN		1	IN		1	IN																						850 feet downstream of Wysor Road (Route 100) bridge, Additional Level II pH 1/ 0 viol 3D EC 1/ 1 viol 3C
9-PNR4-NCNR	VAS-N08R_PNR01A12	CMON	NE32	0	14	S	0	14	S		14	IN		15	IN/O																						At Graham Road (Route 662) bridge, Additional Level II pH 14/ 0 viol 3D EC 15/12 viol 3C
9-PRN000.04	VAS-N10R_PRN01A12	A	NE28	0	12	S	0	11	S	0	12	S	8	12	IM																						2,000 feet downstream of Wysor Road (Route 100) bridge.
9-PTY001.72	VAW-N22R_PTY01A00	A,B	NE60	0	2	S	0	2	S	0	2	S									0	S									FS						2 surveys 2011. Avg. VSCI 83.1.
9-RCK000.50	VAS-N04R_RCK01A12	A	NE12	0	12	S	0	12	S	0	12	S	7	12	IM																						Bridge on Roy's Lane off Rt 274
9-RCK1-NCNR	VAS-N15R_ROC01A14	CMON	NE34	0	8	S	0	9	S		9	IN		9	IN																						Upstream side of Rock Creek Road, Additional Level II pH & e.coli 9 samples
9-RDC000.79	VAS-N11R_RDC03B04	A	NE31	0	11	S	0	11	S	0	11	S	0	11	S																						Swing bridge #9000 on Rt 618 off 81 exit 86
9-RDC009.00	VAS-N11R_RDC03B04	A,C,TR	NE31	0	35	S	0	34	S	0	35	S	1	35	S						0	S			0	S			1	IM							RT. 619 AT GAGING STATION Analysis of a composite sample of 5 carp" VDH lower level of concern was exceeded, 69.24 ppb.
9-RDC023.24	VAS-N11R_RDC01B00	A	NE29	0	11	S	0	11	S	0	11	S	3	11	IM																						Bridge #6032 on Rt 649 @ transfer station
9-RDC033.78	VAS-N10R_RDC01A00	A	NE28	0	3	S	0	3	S	0	3	S	1	3	IN																						Pull off on Rt 655 off Rt 684 off 21
9-RDC033.94	VAS-N10R_RDC01A02	A	NE28	2	9	IM	0	8	S	0	9	S	2	9	IM																						RT. 667 Bridge upstream SF Reed Ck confluence
9-RDC038.01	VAS-N10R_RDC01A02	A	NE28	2	12	IM	0	12	S	0	12	S	3	12	IM																						Pvt drive off Rt 663 off Rt 11 gas pipeline
9-RDC046.65	VAS-N10R_RDC01B00	A	NE26	0	12	S	0	12	S	0	12	S	4	12	IM																						Bridge #6022 on Rt 625 off Rt 680
9-RDC049.82	VAS-N10R_RDC01C02	A,B	NE26	0	14	S	0	13	S	1	14	S	3	12	IM																		FS					FS road off Rt 625 VSCI: 06/03/2010 68.93
9-RDC051.21	VAS-N10R_RDC01C02	FPM,B	NE26	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S								J						Between Old Road Hollow & Sugar Camp Hollow VSCI: 11/06/2007 58.66 04/23/2007 64.28
9-RDC1-NCNR	VAS-N11R_RDC01C02	CMON	NE29	0	5	S	0	5	S		5	IN		5	IN/O																						1,600 feet upstream of the Edgemont Center Inc. WWTP, Additional Level II pH 5/ 0 viol 3D EC 5/ 5 viol 3C
9-RDC2-NCNR	VAS-N11R_RDC03B04	CMON	NE31	0	15	S	0	13	S		15	IN		15	IN/O																						8,500 feet upstream of confluence with the New River, Additional Level II pH 15 /1 viol 3D EC 15/ 8 viol 3C
9-RHC000.08	VAW-N34R_RHC01A00	A,TM,	NE82	0	35	S	1	34	S	0	35	S	14	35	IM						0	S																2011 PCB water column WQS 640 pg/L Wet 553.3 pg/L- 'IN'. 2002 Bacteria (FC 7/21) Listed.
9-RIC000.50	VAS-N14R_RIC01B98	A	NE41	0	11	S	0	11	S	0	11	S	3	12	IM																						Bridge. # 6143 on Rt. 607 off Rt. 100
9-RIC018.90	VAS-N14R_RIC01B98	A,TR	NE39	0	11	S	0	11	S	0	11	S	3	11	IM																						Bridge. # 6483 on Rt. 753 off Rt. 221
9-RIC038.67	VAS-N13R_RIC01A00	FPM,B	NE36	0	3	S	0	3	S	0	3	S	0	1	IN				0	S	0	S	0	S								FS						S of Stone Mtn Church VSCI: 11/01/2007 83.57 05/09/2007 76.79
9-RIC049.29	VAS-N13R_RIC01B04	A	NE36	0	11	S	0	11	S	0	11	S	6	12	IM																						Bridge. # 6189 on Rt. 648 off Rt. 58
9-RIC1-NCNR	VAS-N14R_RIC01A00	CMON	NE39	1	55	S	1	38	S		57	IN		54	IN/O																						From River Rd verge left and travel 0.7 miles. Sample site at the wooden stair rail, Additional Level II pH 57/ 1 viol 3D EC 54/11 viol 3C
9-RIC2-NCNR	VAS-N13R_RIC01B04	CMON	NE36	0	11	S	0	9	S		11	IN		11	IN																						176 yards from gravel driveway. Driveway off Terry Miller's Road, Additional Level II pH 11/0 viol 3D EC 11/0 viol 3D
9-RIC3-NCNR	VAS-N14R_RIC01B98	CMON	NE41	0	6	S	0	6	S		6	IN		6	IN/O																						At mouth of Big Reed Island Creek, Additional Level II pH 0/6 viol 3D EC 2/6 viol 3D
9-RSF000.08	VAS-N10R_RSF01A00	A	NE28	0	12	S	0	11	S	0	12	S	8	12	IM																						Off Rt. 667 on Avery Lane, S of RR
9-RSF006.78	VAS-N10R_RSF01A00	A	NE28	0	12	S	0	11	S	0	12	S	8	12	IM																						Rt 666 low water bridge NE Groseclose
9-SDL000.05	VAS-N04R_SDL01A06	A	NE08	0	12	S	0	12	S	0	12	S	5	12	IM																						Bridge #6071 on Rt. 711 off Rt. 58
9-SFK000.28	VAS-N10R_SFK01A02	A	NE27	0	12	S	0	12	S	0	12	S	5	11	IM																						Bridge #6187 on Rt 664 off Rt 666 off 11, Class V
9-SFK001.10	VAS-N10R_SFK01A02	B,TM	NE27	0	2	S	0	1	IN	0	2	S																				FS					Near Favonia Off Rt. 52 and 680, Class V VSCI: 11/02/2009 80.79 05/28/2009 75.62
9-SFK001.51	VAS-N10R_SFK01A02	A	NE27	1	12	S	0	12	S	0	12	S	6	12	IM																						House #4999 off US 21/52, Class V

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Samples	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
New River Basin																																					
9-SFK003.38	VAS-N10R_SFK01A12	FPM,B	NE27	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							North of Favonia off 21/52 in Nat'l Forest VSCI: 05/05/2010 59.44 11/09/2010 80.79
9-SGG000.07	VAW-N25R_SGG01A14	TM	NE73	0	1	IN	0	1	IN	0	1	IN									1	O															2011 PCB water column WQS 640 pg/L WW- 662.30 pg/L- 'OE'
9-SGG000.52	VAW-N25R_SGG01A14	TM	NE73	0	1	IN	0	1	IN	0	1	IN									0	IN															2011 PCB water column WQS 640 pg/L WW- 621.30 pg/L.
9-SKE000.98	VAS-N13R_SKE01A04	A	NE37	0	12	S	0	12	S	1	12	S	5	12	IM																						Bridge. # 1003 on Rt. 58
9-SLK001.24	VAS-N12R_SLK01A04	A	NE30	0	1	IN	0	1	IN	0	1	IN	1	1	IN																						Rt 600 @ Rt 658 bridge #6001
9-SLT000.50	VAW-N22R_SLT01A08	A,B	NE59	0	4	S	0	4	S	0	4	S	0	9	S						0	S									FS							4 surveys 2007-2009. Avg. VSCI 69.4. 2012 Benthic Delist.
9-SNC000.20	VAW-N28R_SNC01A00	A,B,C	NE75	0	12	S	0	12	S	0	12	S	1	11	S						0	S	0	S	0	S	1	O	1	IM	FS							1 survey 2010. VSCI 70.5. 2010 PCB water column WQS 640 pg/L Wet 347.3 pg/L- 'IN'. No VDH Fish Consumption Advisory. '04 FT PCB >20 ppb [Apx E-1] 3 sp ; arsenic (As) [Apx E-2] 1 sp.; lead (Pb) detected 2 sp.; sediment no PEC exceedances. FC 1/16 'S' 2004 IR.
9-SNC002.88	VAW-N28R_SNC03A00	A,B	NE75	0	4	S	0	4	S	0	4	S																			J							4 surveys 2010-2012. Avg. VSCI 59.1
9-SNC005.04	VAW-N28R_SNC04A00	B	NE75	0	1	IN	0	1	IN	0	1	IN																			FS							1 VSCI survey 2010. VSCI 85.3. No additional data beyond 2012 IR where
9-SNC008.04	VAW-N28R_SNC04A00	FPM,B	NE75	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							VAW05547-292- 2 surveys 2010. Avg. VSCI 77.7.
9-SNK005.38	VAW-N23R_SNK01B10	A	NE65	3	23	IM	0	23	S	0	23	S	4	23	IM						0	S																Temp initially Listed 2010 3 / 14- 'IM'.
9-SNK012.06	VAW-N23R_SNK02A00	A,B	NE64	1	12	S	0	12	S	0	12	S	3	12	IM						0	S									FS							1 survey 2008. VSCI 62.6. No additional data beyond the 2010 IR.
9SNK-1-VAK	VAW-N23R_SNK01B10	CMON	NE65	0	2	S	0	2	S	0	2	S	1	2	IN																						Temp, DO and pH Lv. 3 [3D]. E.coli [3D] Lv. 2 'IN'. No additional data beyond 2012 IR.
9SNK-C-SOS	VAW-N23R_SNK02A00	CMON	NE64																											LP							SOS 2 surveys 2008 [3D] Lv.2.
9-SPB000.10	VAS-N09R_SPB01A04	A,TM,	NE24	0	12	S	0	6	S	0	12	S	11	11	IM						0	S																@ Eagle Furnace, Rt 642 off Rt 619
9-SRT000.12	VAS-N08R_SRT01B04	A,CMON	NE25	0	12	S	0	11	S	0	12	S	12	12	IM						0	S																@ Jackson Ferry, bridge #6196 Rt 608, Class V
9-SRT1-NCNR	VAS-N08R_SRT01B04	CMON	NE25	0	6	S	0	6	S		5	IN		6	IN/O																						At mouth of Shorts Creek, Additional Level II pH 5/0 viol E.coli 6/4 viol
9-STE002.05	VAW-N22R_STE02A00	TM	NE59	0	1	IN	0	1	IN	0	1	IN									0	IN																2010 PCB water column WQS 640 pg/l- Wet- 267.8 pg/l- 'IN'.
9-STE002.41	VAW-N22R_STE03A00	A,B,TR	NE59	0	39	S	0	39	S	0	39	S	12	36	IM						0	S									FS							3 surveys 2008 & 2012. Avg. VSCI 71.6. Benthic (Sediment) TMDL Approved 01/28/2004. Bacteria Delist 2008. Trend Analysis.
9-STE007.29	VAW-N22R_STE04A00	A,B,TM	NE59	0	33	S	0	31	S	0	33	S	8	24	IM						0	S									IM							9 surveys 2007-2012. Avg. VSCI 47.4. Benthic (Sediment) TMDL Approved 01/28/2004. Bacteria 2002 Listing remains.
9-TAT000.46	VAS-N10R_TAT01A06	A	NE28	0	12	S	0	11	S	0	12	S	7	12	IM																						Bridge #6039 on Rt 655 off Rt 684 off 21
9-TCK000.50	VAW-N17R_TCK01A00	A	NE45	0	12	S	0	12	S	0	12	S	7	12	IM																						2010 E.coli initial Listing. Bacteria & Benthic (Cu/Zn) Peak Creek Bacteria TMDL FED ID 7824. US EPA approved 8/30/2004 and SWCB approved 12/02/2004. No additional data beyond 2012 IR.
9-TNC000.53	VAS-N25R_TNC01A10	A,TM,	NE66	0	25	S	0	22	S	0	25	S	16	24	IM						0	S																Rt 659 bridge # 6052 off Rt 52
9-TOM005.32	VAW-N22R_TOM02A00	A,B	NE60	2	10	IM	0	8	S	0	9	S	1	9	IM						0	S									FS							2 VSCI surveys (2005 & 2006). Temp 2008 IR Listed 2 / 13- 'IM'. No additional data beyond the 2008 IR.
9-TOM011.49	VAW-N22R_TOM03A08	A,B	NE60	0	1	IN	0	1	IN	0	1	S																			FS							1 survey 2009. VSCI 73.3. Riparian Restoration Study. 3 RBP II surveys (2003 Spring-2004). No additional data beyond 2006 IR.
9-TOM012.78	VAW-N22R_TOM03A08	A	NE60	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																2014 Bacteria initial Listing.
9TOM-1-NCNR	VAW-N22R_TOM03A08	CMON	NE60	7	32	IM	0	30	S	0	33	S	12	29	IN																						NCNR data DO and pH Lv. 3- 'FS'; Temp 2012 Lv. 3 'IM'. E.coli [3C] Lv. 2
9TOM-2-NCNR	VAW-N22R_TOM02A00	CMON	NE60	3	11	IM	0	9	S	0	11	S	3	9	IN/O																						NCNR data DO and pH Lv. 3- 'FS'; Temp 2012 Lv. 3 'IM'. E.coli [3C] Lv. 2. No additional data beyond the 2012 IR.
9TOM-2-SOS	VAW-N22R_TOM01A00	CMON	NE60																											LP							SOS 2 surveys 2007 [3D] Lv.2.
9TOM-3-NCNR	VAW-N22R_TOM01A00	CMON	NE60	7	32	IM	0	29	S	0	32	S	10	28	IN/O																						DO, pH Lv. 3 'FS'. Temp Lv. 3 'IM'. E.coli [3C] Lv.2.
9TOM-SOS	VAW-N22R_TOM03A08	CMON	NE60																											LP							SOS 2 surveys 2007 [3D] Lv.2.
9TSB-1-VAK	VAW-N17R_TSB01A12	CMON	NE46	0	6	S	0	6	S	0	6	S	2	5	IN/O																						Temp, DO and pH Lv. 3 [3D]. E.coli [3C] Lv. 2 'IN'. No additional data beyond 2012 IR.
9-VNK000.15	VAS-N10R_VNK02A04	A	NE29	0	12	S	0	11	S	0	12	S	1	12	S																						Private bridge off Rt 655
9WAB-1-VAK	VAW-N25R_WAB01A12	CMON	NE73	0	1	IN	0	1	IN	0	1	IN	0	1	IN																						Temp, DO and pH Lv. 3 [3A]. E.coli [3A] Lv. 2 'IN'. No additional data beyond 2012 IR.
9-WFC000.20	VAW-N32R_WFC01A00	A,TR	NE81	0	25	S	0	25	S	0	25	S	2	24	IM						1	O																2011 PCB water column WQS 640 pg/L- Wet 1220.10 pg/L- 'OE'. Bacteria 2004 (FC 2/18) Listed. 2004 FT 1 sp; rock bass exceeds PCB WQS TV of 20 ppb (4 fish size 18.7-20.4 cm) at 22.09 ppb.
9-WFC003.69	VAW-N32R_WFC01A00	C,TM	NE81																				0	S			0	S									2012 FT/Sed 2 sp. Rock Bass and Stoneroller find no exceeding PCB tissue values and no 2012 sediment excursions of the PEC SVs.
9-WFC005.61	VAW-N32R_WFC02A00	A	NE81	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																Bacteria 2006 IR (E.coli 3/9) Listed.
9-WFC011.05	VAW-N32R_WFC03A00	A	NE81	0	12	S	0	12	S	0	12	S	1	12	IM						0	S																Bacteria (E/coli) 2008 Listed. Waters remain impaired- single exceeding value greater than 2000 cfu/100 ml. Up and downstream stations show continued impairment.
9-WFC017.31	VAW-N32R_WFC04A00	A	NE81	3	24	IM	0	24	S	0	24	S	5	24	IM						0	S																Temp Listing returns with 2014 IR. 2012 Temp Delist.
9-WFC024.57	VAS-N30R_WFC01B06	A,TM,	NE78	0	23	S	0	23	S	0	23	S	6	23	IM																						Bridge #6125 on Rt 606 off US 52
9-WFC032.47	VAS-N30R_WFC01A00	A,TM,	NE78	0	23	S	0	23	S	0	23	S	8	23	IM																						PVT. BRIDGE Guthrie Dr off Rt 614

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Samples	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
New River Basin																																					
9-WFC034.82	VAS-N30R_WFC01A00	A,B	NE78	0	4	S	0	4	S	0	4	S																		FS							At Camp Roland VSCI: 11/20/12 81.39 06/05/12 70.86
9-WFC039.16	VAS-N30R_WFC01A00	A,TM,	NE78	0	23	S	0	23	S	0	23	S	15	23	IM																						At Camp Roland VSCI: 11/20/12 81 06/05/12 66
9-WFC050.16	VAS-N30R_WFC01A06	A,TM,	NE78	0	23	S	0	23	S	0	23	S	18	23	IM																						Bridge #6205 on Rt. 666 off Rt. 623
9-WHI001.10	VAS-N36R_WHI01A08	TM	NE86	0	1	IN	0	1	IN	0	1	IN																									Old Bramwell Rd Tunnel, Bluefield WV
9-WLK004.34	VAW-N25R_WLK01A00	A,TM,TR	NE73	0	24	S	0	24	S	0	24	S	0	24	IM							1	O			1	O										2014 DELIST Bacteria. 2010 Water column PCBs: WQS 640 pg/l- 2010 Wet- 1,706 pg/l; 2011 Wet 648.8 pg/L. AQ 2000 sediment exceeds of PCB at 880 ppb (PEC SV 676 ppb). Trend Analysis.
9-WLK008.22	VAW-N25R_WLK01A00	C,TM	NE73																						0	S			0	S						2012 FT/Sed finds no excursions of the 20 ppb WQS TV criterion from 2 sp.- 'FS'. Rock Bass (10 fish composite [16.5-19.4 cm]) at 1.5 ppb and Stoneroller (15 fish composite [16.0-19.4 cm]) at 0.0 ppb. No 2012 sediment excursions of the PCB PEC SV of 676 ppb.
9-WLK016.78	VAW-N25R_WLK02A00	FPM,B	NE73	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S									FS						VARS11-251- 2 surveys 2012. Avg. VSCI 68.4. No sediment collection.
9-WLK026.82	VAW-N25R_WLK03A00	FPM	NE71																		1	O														2003 SPMD deployment finds mirex is present- 'OE'.
9-WLK027.65	VAW-N25R_WLK03A00	B	NE71																												FS						1 survey 2008. VSCI 66.9. No Field Data Taken.
9-WLK028.81	VAW-N25R_WLK03A00	B	NE71																												FS						1 survey 2008. VSCI 64.8. No Field Data Taken.
9-WLK033.29	VAW-N25R_WLK03A00	FPM,B	NE71	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							J						VARS11-055- 2 surveys 2011. Avg. VSCI 60.9.
9-WLK033.90	VAS-N25R_WLK04A00	A	NE71	0	36	S	0	32	S	0	36	S	2	36	S						0	S															2014 DELIST Bacteria.
9-WLK044.06	VAS-N25R_WLK04B12	A,TM,	NE67	0	12	S	0	12	S	0	12	S	2	12	IM																						Rt 605 bridge #6010 E of Bland
9-WLK060.32	VAS-N25R_WLK04A00	A,TM,	NE67	0	24	S	0	21	S	0	24	S	5	24	IM						0	S															Rt 605 bridge #6010 E of Bland
9-WLS002.57	VAS-N02R_WLS01A98	A	NE03	0	11	S	0	11	S	0	11	S	3	11	IM						0	S															
9-WLS006.45	VAS-N02R_WLS01A98	A,B	NE03	0	5	S	0	5	S	0	5	S																			FS						West of Volney, off Rt. 58 VSCI: 06/06/2011 75.94 10/24/ 2011 81.19
9-WLS010.11	VAS-N02R_WLS01A04	A	NE03	0	12	S	0	12	S	0	12	S	1	12	S						0	S															Bridge 6088 on Rt 743 off Rt 58
9-WNS001.03	VAS-N26R_EWL01A10	FPM,B	NE68	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS						@ Jehu Hollow, Class VI VSCI: 05/21/2009 61.91 10/05/2009 61.28
9-WPN000.23	VAS-N26R_WPN01A10	A	NE68	0	7	S	0	7	S	0	7	S	0	7	S						0	S															Rt 612 bridge #6056 crossing nr Holly Brook
9-XBL000.20	VAS-N10L_XBL01A02	L	NE28	0	75	S	24	64	S	2	75	S	0	6	S						0	S										0	7	S			Rural Retreat Lake - Station #1 @Dam, monitored in 2011.
9-XDP000.55	VAS-N04R_XDP01A06	B,TM	NE12	0	1	IN	0	1	IN	0	1	IN																			FS						N of Chestnut Hill Church, jeep trail VSCI: 05/28/2009 67.75 11/19/2009 65.32
9-XDP000.65	VAS-N04R_XDP01A06	TM	NE12	0	1	IN	0	1	IN	0	1	IN																									North of Independence, Class VI
9-XEH000.75	VAW-N22R_XEH01A08	A,B	NE59	0	2	S	0	2	S	0	2	S																			IM						2 VSCI surveys (2006).
9-XEJ000.10	VAW-N22R_XEJ01A08	A,B	NE59	0	2	S	0	2	S	0	2	S																			IM						2 VSCI surveys (2006).
9-XEM000.30	VAW-N20R_XEM01A08	A,B	NE51	0	2	S	0	2	S	0	2	S																			FS						2 surveys 2011-2012. Avg. VSCI 70.8. Little River Bacteria (Fed ID: 41519), Benthic (Sediment Fed ID: 41517) and Temperature (Fed ID: 41518) TMDL Study U.S. EPA approved on 3/14/2012.
9-XEO000.57	VAS-N13R_XEO01A10	FPM,B	NE35	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS						S of Liberty Bible Church, off Rt 638 VSCI: 10/25/2007 78.59 04/26/2007 71.51
9-XES000.94	VAS-N11R_XES01A10	FPM,B	NE29	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							IM						East of Wytheville VSCI: 10/07/2008 50.67 04/15/2008 41.24
9-XFD1-NCNR	VAS-N11R_XFD01A12	CMON	NE31	0	1	IN	0	1	IN		1	IN		1	IN																						40 feet upstream of Sunny Road, Level II pH 1/ 0 viol 3D EC 1/ 0 viol 3D
9-XFH000.92	VAS-N04R_XFH01A14	FPM,B	NE09	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S									J						Not assessed Intermittent stream, off Rt. 654 VSCI: 10/22/2012 21.82 04/25/2012 37.35

* For lake/reservoir NUTRIENTS (i.e. Total Phosphorus or Chlorophyll a), "Exceed" refers to the number of exceedences per monitoring year (April-October) and "Samples" represent the number of monitoring years. A minimum of two monitoring years are required to make a supporting (S) or impaired (IM) assessment determination. Less than two full monitoring years result in an insufficient (IN) determination. Also, nutrients are only assessed in lakes listed in Section 187 of the WQS if there is documented algaecide use.

NOTE: Values in VAHU6 refer to the 6th order watershed in version 4 of Virginia's portion of the National Watershed Boundary Dataset.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Potomac River Basin																																					
1AMNR-P1-SOS	VAN-A11R_MNR01A04	CMON	PL23																												LP							2 sampling events (1g/1u).
1AMNR-P2-SOS	VAN-A11R_MNR01A04	CMON	PL23																												MP							3 sampling events (1a/2u).
1AMNR-P3-SOS	VAN-A11R_MNR01A04	CMON	PL23																												MP							3 sampling events (1a/2u).
1AMON000.81	VAP-A31E_MON03A98	PFWQ	PL67		1	NA		1		0	1	W																										No data since 2010 cycle
1AMON000.96	VAP-A31E_MON03A98	A,TR	PL67		37	NA		36		0	37	S				3	35	S																		36		
1AMON001.00	VAP-A31E_MON03A98	C2	PL67		1	NA		1															0	S	0	S												2011 WOE: category 3B LM-M scenario 6
1AMON001.91	VAP-A31E_MON02A98	PFWQ	PL67		5	NA		5		0	5	S																										No data since 2010 cycle
1AMON002.60	VAP-A31E_MON01A00	C	PL67																								1	O	1	IM								2008 FT: pest ok, As 1 sp (blue crab), PCBs 4 sp (white perch, channel cat, blue crab, gizzard shad)
1AMPB001.00	VAP-A32R_MPB01A14	A	PL70	0	11	S	2	11	IM	3	11	IM	1	11	S																							
1AMRC002.81	VAP-A31E_MON01A00	TM	PL67		12	NA		12		8	12	IM																										Mistakenly considered riverine in 2008 and 2010 cycles; no new data since 2012 cycle
1AMRC003.12	VAP-A31R_MRC01A98	TM	PL67	0	12	S	4	12	IM	12	12	IM									0	S																
1AMRC004.04	VAP-A31R_MRC01A98	TM	PL67	0	15	S	4	15	IM	15	15	IM																										
1ANEA000.57	VAN-A25E_NEA01A00	A,C,TE,CB,TR	PL49		293	NA		287	NA	0	293	S	6	50	IM						0	S					1	O	11	IM								FTM: OE for Hg (2008; SFBG). FTT: IM for PCBs (2008; BSLM, CARP 1-6, CFCH 1-2, CFWH, SDGZ).
1ANEA002.89	VAN-A25R_NEA01A00	A	PL49	0	11	S	0	10	S	0	11	S	2	11	IM						0	S																
1ANEA-10-PWSWCD	VAN-A25R_NEA01A00	CMON	PL49										3	13	IN/O																							
1ANEA-11-PWSWCD	VAN-A25E_NEA01A00	CMON	PL49										3	14	IN/O																							
1ANEA-7-PWSWCD	VAN-A25R_NEA01A00	CMON	PL49										6	13	IN/O																							
1ANEA-8-PWSWCD	VAN-A25R_NEA01A00	CMON	PL49										5	10	IN/O																							
1ANET001.77	VAP-A32R_NEW01A14	TM	PL68	0	12	S	0	12	S	2	12	IM	0	12	S																							
1ANIC002.10	VAN-A11R_NIC01A02	A	PL23	0	11	S	0	11	S	0	11	S	3	11	IM																							
1ANIC-NR-SOS	VAN-A11R_NIC01A02	CMON	PL23																												MP							4 sampling events (2a/1g/1u).
1ANOB000.75	VAN-A07R_NOB01A02	A	PL11	0	12	S	0	12	S	0	12	S	4	12	IM																							
1ANOC-0.42-LWC	VAN-A02R_NOC01A00	CMON	PL02										41	55	IN/O																							Colocated with DEQ station 1aNOC000.42
1ANOC000.42	VAN-A02R_NOC01A00	A,B,TM	PL02	0	30	S	1	30	S	0	30	S	16	22	IM						0	S									IM							Colocated with citizen station 1aNOC-0.42-LWC
1ANOC004.38	VAN-A02R_NOC02A02	A,B,TM,SS	PL02	0	26	S	0	26	S	0	26	S	7	22	IM						0	S									FS							
1ANOC007.28	VAN-A02R_NOC02A02	A,CR	PL02	0	4	S	0	4	S	0	4	S	3	4	IM						0	S																
1ANOC009.37	VAN-A02R_NOC03A02	A,B	PL02	0	2	S	0	2	S	0	2	S																			IM							
1ANOC-4.38-LWC	VAN-A02R_NOC02A02	CMON	PL02										17	37	IN/O																							
1ANOC-9.37-LWC	VAN-A02R_NOC03A02	CMON	PL02										20	41	IN/O																							
1ANOF004.80	VAN-A19R_NOF01A10	FPM,B	PL32	0	2	S	0	2	S	0	2	S	0	1	W					IN	0	S									J							Biological monitoring indicated an impacted benthic community; however, due to private property concerns and access problems at this location, follow-up monitoring will occur at a nearby site with access. An observed effect is noted.
1ANOF-LM02-OWML	VAN-A19L_NOF01A12	OWML	PL32	0	932	S	10	523	S	16	932	S																					0	2	S	0	2	S	Lake Manassas. Lacustrine Zone = LM01, LM02, LM03, LM04, LM05, LM06. chl a & TP (algaecide applied) pooled at these stations -FS (2011,2012).
1ANOF-LM03-OWML	VAN-A19L_NOF01A12	OWML	PL32	0	744	S	11	484	S	12	744	S																					0	2	S	0	2	S	Lake Manassas. Lacustrine Zone = LM01, LM02, LM03, LM04, LM05, LM06. chl a & TP (algaecide applied) pooled at these stations -FS (2011,2012).
1ANOG000.08	VAN-A06R_NOG01A06	A,CR	PL12	0	5	S	0	5	S	0	5	S	0	5	S						0	S																
1ANOG005.69	VAN-A06R_NOG02A00	A,B,TR	PL12	0	31	S	0	31	S	0	31	S	15	30	IM						0	S									IM							
1ANOM005.99	VAP-A32E_NOM01A04	A,TR	PL68		37	NA		36		0	37	S				4	34	IM																		36		
1ANOM011.37	VAP-A32R_NOM01A00	TM	PL68	0	12	S	0	12	S	0	12	S	1	11	S																							
1ANOM012.38	VAP-A32R_NOM02A14	TM	PL68	0	12	S	0	12	S	2	12	IM	1	12	S																							
1ANOR009.87	VAN-A26R_NOR01A02	A,TM	PL53	0	11	S	0	10	S	0	11	S	3	11	IM																							Colocated with USGS station 01659000
1AOCC000.01	VAN-A25E_OCC01A12	C2	PL50		4	NA		4	NA	0	4	S	0	1	W					IN		IN															
1AOCC000.77	VAN-A25E_OCC01A04	C2	PL50		4	NA		4	NA	0	4	S	0	1	W					IN		IN															
1AOCC001.29	VAN-A25E_OCC01A10	C2	PL50		2	NA		2	NA	0	2	S	0	1	W							IN															
1AOCC001.69	VAN-A25E_OCC01B12	C2	PL50		3	NA		3	NA	0	3	S	0	1	W					IN		IN															
1AOCC002.47	VAN-A25E_OCC02A00	A,TE,CB,TR	PL48		388	NA		384	NA	19	576	S	4	76	S						0	S																Continuous Monitoring Data - pH: 2007 (6/203, 2.9%), 2008 (13/191, 6.8%), 2009 (0/182, 0%)
1AOCC004.00	VAN-A25E_OCC04B08	A,CB	PL48		2	NA		2	NA	0	2	S																										
1AOCC004.52	VAN-A25E_OCC04B08	A,TM	PL48		102	NA		102	NA	0	102	S	0	13	S						0	S																
1AOCC006.47	VAN-A25E_OCC05A02	A,TM	PL48		31	NA		31	NA	0	31	S	1	6	IN																							
1AOCC006.71	VAN-A25E_OCC05A02	A,TM	PL48		11	NA		11	NA	0	11	S	1	11	S																							
1AOCC021.35	VAN-A20R_OCC01A04	A,TR	PL41	0	32	S	0	31	S	0	32	S	4	32	IM																							

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Potomac River Basin																																					
1AOCC-RE02-OWML	VAN-A24L_OCC01A02	OWML	PL47	0	2537	S	447	1300	IM	32	2537	S																				0	1	S	0	2	S	Occoquan Reservoir. Lacustrine Zone = RE02, RE05, RE10, RE15. TP & Chl-a data pooled at these stations. FS for Chl-a (2011, 2012). FS for TP (2011, algaecide was not applied in 2012). DO (1130/6066, 18.6%) & pH (217/12100, 1.8%) pooled for entire reservoir. DO recategorized to 4B. See EPA Memo.
1AOCC-RE05-OWML	VAN-A24L_OCC01A02	OWML	PL47	0	2187	S	334	1189	IM	38	2187	S																				0	1	S	0	2	S	Occoquan Reservoir. Lacustrine Zone = RE02, RE05, RE10, RE15. TP & Chl-a data pooled at these stations. FS for Chl-a (2011, 2012). FS for TP (2011, algaecide was not applied in 2012). DO (1130/6066, 18.6%) & pH (217/12100, 1.8%) pooled for entire reservoir. DO recategorized to 4B. See EPA Memo.
1AOCC-RE10-OWML	VAN-A24L_OCC01A02	OWML	PL47	0	1898	S	212	1064	IM	64	1898	S																				0	1	S	0	2	S	Occoquan Reservoir. Lacustrine Zone = RE02, RE05, RE10, RE15. TP & Chl-a data pooled at these stations. FS for Chl-a (2011, 2012). FS for TP (2011, algaecide was not applied in 2012). DO (1130/6066, 18.6%) & pH (217/12100, 1.8%) pooled for entire reservoir. DO recategorized to 4B. See EPA Memo.
1AOCC-RE15-OWML	VAN-A24L_OCC01A02	OWML	PL47	0	1708	S	72	776	S	45	1708	S																				0	1	S	0	2	S	Occoquan Reservoir. Lacustrine Zone = RE02, RE05, RE10, RE15. TP & Chl-a data pooled at these stations. FS for Chl-a (2011, 2012). FS for TP (2011, algaecide was not applied in 2012). DO (1130/6066, 18.6%) & pH (217/12100, 1.8%) pooled for entire reservoir. DO recategorized to 4B. See EPA Memo.
1AOCC-RE20-OWML	VAN-A24L_OCC01A02	OWML	PL47	0	1404	S	27	755	S	31	1404	S																										Occoquan Reservoir. Non-Lacustrine. DO (1130/6066, 18.6%) & pH (217/12100, 1.8%) pooled for entire reservoir. DO recategorized to 4B. See EPA Memo.
1AOCC-RE30-OWML	VAN-A24L_OCC01A02	OWML	PL46	1	1108	S	5	422	S	4	1108	S																										Occoquan Reservoir. Non-Lacustrine. DO (1130/6066, 18.6%) & pH (217/12100, 1.8%) pooled for entire reservoir. DO recategorized to 4B. See EPA Memo.
1AOCC-RE35-OWML	VAN-A24L_OCC01A02	OWML	PL41	0	1258	S	33	560	S	3	1258	S																										Occoquan Reservoir. Non-Lacustrine. DO (1130/6066, 18.6%) & pH (217/12100, 1.8%) pooled for entire reservoir. DO recategorized to 4B. See EPA Memo.
1AOCS000.43	VAN-A11R_OCS01A04	A,B	PL22	0	2	S	0	2	S	0	2	S																			IM							
1AOCS-DR5-SOS	VAN-A11R_OCS01A04	CMON	PL22																											HP							15 sampling events (1a/2g/12u).
1ACRF001.18	VAN-A06R_CRF01A02	A,B	PL12	0	11	S	0	11	S	0	11	S	4	9	IM																FS							Colocated with citizen station 1ACRF-3-SOS.
1ACRF-3-SOS	VAN-A06R_CRF01A02	CMON	PL12																											LP							2 sampling events (2a). Colocated with DEQ station 1ACRF001.18.
1ACRF-6-SOS	VAN-A06R_CRF01A02	CMON	PL12																											LP							9 sampling events (8a/1g).
1ACRM005.39	VAN-A05R_CRM02A06	A	PL09	0	16	S	1	16	S	0	16	S	6	16	IM																							
1ACRM-14-SOS	VAN-A05R_CRM02A06	CMON	PL09																											LP							3 sampling events (3a).
1ACRM-15A-SOS	VAN-A05R_CRM02A06	CMON	PL09	0	30	S	0	8	IN	0	8	S	4	30	IN/O																MP							8 sampling events (4a/2g/2u).
1ACUB002.61	VAN-A22R_CUB01A00	A,TR	PL45	0	32	S	0	32	S	0	32	S	6	31	IM								0	S														Colocated with citizen station 1aCUB-CR13-SOS.
1ACUB004.63	VAN-A22R_CUB01A00	FPM,B	PL45	0	3	S	0	3	S	0	3	S	0	2	S				0	S	0	S									IM							
1ACUB-CR13-SOS	VAN-A22R_CUB01A00	CMON	PL45																											HP							4 sampling events (4u). Colocated with DEQ station 1aCUB002.61.
1ACUB-CR6-SOS	VAN-A22R_CUB01A00	CMON	PL45																											MP							17 sampling events (10a/1g/6u).
1ACUR002.58	VAP-A32E_CUR03A14	C2	PL69		3	NA		3		0	3	W				0	1	W	0	IN	0	IN	0	S	0	S								1		One sample event; 2011 WOE category 3B LM-S scenario 8 (high potential for chronic effects of sed metals & PAHs)
1ACUT000.58	VAP-A34E_CUT01A98	A	PL73		12	NA		12		0	12	S				0	12	S																6		No new data since 2012 cycle; green
1ACWB-9-PWSWCD	VAN-A25R_CWB01A12	CMON	PL49										2	6	IN/O																						
1ADBR001.37	VAN-A29R_DBR01A10	A	PL61	0	6	S	0	6	S	0	6	S	0	6	S								0	S														
1ADEA-DEA-SOS	VAN-A11R_DEA01A04	CMON	PL23																											HP							1 sampling event (1u).
1ADEA-P1-SOS	VAN-A11R_DEA01A04	CMON	PL23																											HP							2 sampling events (2u).
1ADEA-P2-SOS	VAN-A11R_DEA01A04	CMON	PL23																											HP							2 sampling events (2u).
1ADEA-P3-SOS	VAN-A11R_DEA01A04	CMON	PL23																											HP							2 sampling events (2u).
1ADED000.29	VAN-A11R_DEA01A04	A,B	PL23	0	2	S	0	1	W	0	1	W																			IM							
1ADIF000.80	VAN-A11R_DIF01A00	A,B	PL22	0	2	S	0	1	W	0	1	W																			IM							
1ADIF000.86	VAN-A11R_DIF01A00	A,B,TM,TR,CB	PL22	0	78	S	0	76	S	0	76	S	7	43	IM				0	S	0	S									IM							USGS sampling
1ADIF005.06	VAN-A11R_DIF02A02	A,B,TM,TR	PL22	0	21	S	0	19	S	0	19	S	4	18	IM				0	S	0	S									IM							
1ADIF010.48	VAN-A11R_DIF03A02	A,B,TM,TR	PL22	0	21	S	0	19	S	0	19	S	3	18	IM				0	S	0	S									IM							
1ADIF-DR25-SOS	VAN-A11R_DIF04A02	CMON	PL22																											HP							1 sampling event (1u).
1ADIF-DR33-SOS	VAN-A11R_DIF03A02	CMON	PL22																											HP							1 sampling event (1u).
1ADIF-DR34-SOS	VAN-A11R_DIF01A00	CMON	PL22																											MP							7 sampling events (3a/4g).

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Potomac River Basin																																					
1ADON-P1-SOS	VAN-A12R_DON01A04	CMON	PL24																												HP							1 sampling event (1u).
1ADON-P2-SOS	VAN-A12R_DON01A04	CMON	PL24																												HP							1 sampling event (1u).
1ADON-P3-SOS	VAN-A12R_DON01A04	CMON	PL24																												HP							1 sampling event (1u).
1ADOU000.60	VAN-A14E_DOU01A00	A,TE,TR,CB	PL27		100	NA		99	NA	4	100	S	2	50	S						0	S															
1ADOU003.17	VAN-A14R_DOU01A04	A	PL27	0	12	S	0	12	S	0	12	S	6	12	IM																							
1ADUT000.62	VAN-A01R_DUT01A06	A	PL01	0	12	S	0	12	S	1	12	S	0	12	S						0	S																
1AELC001.39	VAN-A22R_ELC01A04	A,B	PL45	0	12	S	0	12	S	0	12	S	3	10	IM																IM							
1AELK000.10	VAN-A18R_ELK01A08	A	PL39	0	8	S	0	8	S	0	8	S	4	8	IM																							
1AFLL000.88	VAN-A22R_FLL01A04	A	PL45	0	10	S	0	10	S	0	10	S	4	10	IM																							
1AFOU000.19	VAN-A12E_FOU01A00	A,TR	PL25		22	NA		22	NA	0	21	S	8	21	IM																							
1AFOU000.45	VAN-A12E_FOU01A00	C	PL25																								4	O	15	IM							FTM: OE for Hg (2008; BSLM 1-4). FTT: IM for PCBs (2008; BSLM, CARP 1-6, CFCH, PCWH, SDGZ, SFPS), IM for Total Chlordane (2008; Carp 5-6, CFCH), OE for Hept. Epox. (2008, CARP).
1AFOU001.92	VAN-A12R_FOU01A00	A,TR	PL25	0	34	S	0	34	S	4	33	IM	10	33	IM						0	S															
1AFOU004.22	VAN-A12R_FOU01A00	A,TR	PL25	0	12	S	0	12	S	0	12	S	2	12	IM						0	S															
1AFOU005.60	VAN-A12R_FOU01A00	A	PL25	0	5	S	0	5	S	0	5	S	3	5	IM																							
1AFOX000.23	VAP-A31R_POP01A00	TM	PL67	0	12	S	2	12	IM	11	12	IM																										No new data since 2012 cycle
1AGAD000.77	VAP-A33E_GAD01A98	A	PL70		12	NA		12		0	12	S				1	12	S																	6		No new data since 2012 cycle
1AGAD001.73	VAP-A33R_GAD01A10	TM	PL70	0	11	S	4	11	IM	11	11	IM	2	11	IM		8	NA																				High salinity values during approximately half of sampling events. Salinity comes through gravel under culverts. No new data since 2012 cycle.
1AGAD002.54	VAP-A33R_GAD01A10	TM	PL70	0	7	S	2	7	IM	7	7	IM	0	7	S																							No new data since 2012 cycle
1AGAR002.24	VAN-A04R_GAR01A04	A	PL07	0	6	S	0	6	S	0	6	S	2	6	IM																							
1AGAR-8-SOS	VAN-A04R_GAR01A04	CMON	PL07	0	23	S	0	6	IN	0	5	S	3	24	IN/O																MP							5 sampling events (1a/3g/1u).
1AGIL000.85	VAN-A25R_GIL01A04	A,TM	PL48	0	12	S	0	12	S	0	12	S	2	12	IM																							
1AGIL003.10	VAN-A25R_GIL01A04	A,B	PL48	0	2	S	0	2	S	0	2	S																			IM							
1AGLB001.40	VAP-A34E_GLE03A00	C2	PL72		5	NA		5		0	5	W				0	1	W	0	IN	0	IN	0	S	0	S									1		One sample event; 2011 WOE category 3B LM-M scenario 8
1AGLE001.56	VAP-A34E_GLE01A04	C2	PL72		3	NA		3		0	3	W				0	2	W	0	IN	0	IN	0	S	0	S									2		1 sample event; WOE - 2009 Category 3B, HM-M scenario 5
1AGOO000.50	VAN-A08R_GOO01A00	FPM	PL16	0	1	W	0	1	W	0	1	W										IN															
1AGOO002.38	VAN-A08R_GOO01A00	A,B,TR	PL16	0	39	S	0	39	S	0	39	S	5	35	IM						0	S								IM							
1AGOO011.23	VAN-A08R_GOO03A02	A,TR	PL14	0	32	S	0	32	S	0	32	S	3	32	S						0	S															
01643700	VAN-A05R_GOO02A06	USGS	PL10	0	11	S																															
0164425950	VAN-A09R_HPR02A12	USGS	PL18	0	2	S	0	2	S	0	2	S									0	S															
01644280	VAN-A09R_BRB01A00	USGS	PL19	0	13	S																															Colocated with DEQ station 1ABRB002.15
01644343	VAN-A10R_OFT01A14	USGS	PL21	0	3	S	0	3	S	0	3	S									0	S															
01645704	VAN-A11R_DIF04A02	USGS	PL22	0	23	S	0	23	S	0	23	S									0	S															Continuous Monitoring Data - Temp: 2011 (0/348, 0%), 2012 (0/357, 0%). Temp (hourly max change): 2011 (0/8327, 0%), 2012 (0/8595, 0%). DO: 2011 (0/321, 0%), 2012 (2/341, 0.6%). pH: 2011 (0/348, 0%), 2012 (0/357, 0%).
01645745	VAN-A11R_LID01A02	USGS	PL22	0	22	S	0	22	S	0	22	S									0	S															
01645762	VAN-A11R_SOL01A02	USGS	PL22	0	22	S	0	22	S	0	22	S									0	S															Continuous Monitoring Data - Temp: 2011 (0/358, 0%), 2012 (0/362, 0%). Temp (hourly max change): 2011 (0/8558, 0%), 2012 (0/8706, 0%). DO: 2011 (0/159, 0%), 2012 (0/355, 0%). pH: 2011 (0/355, 0%), 2012 (0/362, 0%).
01645844	VAN-A11R_OCS01A04	USGS	PL22	0	23	S	0	23	S	0	23	S									0	S															
01645940	VAN-A11R_CAH01A04	USGS	PL22	0	24	S	0	24	S	0	24	S									0	S															
01646000	VAN-A11R_DIF01A00	USGS	PL22	0	14	S	0	4	S	0	4	S									0	S															
01646305	VAN-A11R_DEA01A04	USGS	PL23	0	23	S	0	23	S	0	23	S									0	S															Continuous Monitoring Data - Temp: 2011 (0/355, 0%), 2012 (0/358, 0%). Temp (hourly max change): 2011 (0/8512, 0%), 2012 (0/8649, 0%). DO: 2012 (0/258, 0%). pH: 2011 (0/340, 0%), 2012 (0/344, 0%).
01652789	VAN-A13R_INA01A06	USGS	PL26	0	23	S	0	23	S	0	23	S									0	S															
01652860	VAN-A13R_TUC01A14	USGS	PL26	0	24	S	0	24	S	0	24	S									0	S															
01653717	VAN-A14R_PAU01A04	USGS	PL28	0	24	S	4	24	IM	0	24	S									0	S															
01653844	VAN-A14R_XMS01A14	USGS	PL27	0	3	S	0	3	S	0	3	S									0	S															
01654500	VAN-A15R_LOE01A02	USGS	PL30	0	3	S	0	3	S	0	3	S									0	S															
01655305	VAN-A16R_XMT01A14	USGS	PL29	0	2	S	0	2	S	0	2	S									0	S															
01656000	VAN-A17R_CER02A02	USGS	PL38	0	10	S																															
01656903	VAN-A22R_FLL02A14	USGS	PL45	0	22	S	0	22	S	0	22	S									0	S															Continuous Monitoring Data - Temp: 2011 (0/361, 0%), 2012 (0/354, 0%). Temp (hourly max change): 2011 (0/8661, 0%), 2012 (0/8518, 0%). DO: 2012 (5/265, 1.9%). pH: 2011 (0/361, 0%), 2012 (0/354, 0%).

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Potomac River Basin																																					
0165690673	VAN-A22R_FRB01A14	USGS	PL45	0	23	S	1	23	S	0	23	S									0	S																
0165694286	VAN-A22R_BIR02A02	USGS	PL45	0	22	S	0	22	S	0	22	S									0	S																
01657100	VAN-A23R_WIO01A14	USGS	PL46	0	2	S	0	2	S	0	2	S									0	S																
01657322	VAN-A23R_XMU01A14	USGS	PL46	0	23	S	0	22	S	0	23	S									0	S																
01657394	VAN-A23R_CAT01A14	USGS	PL46	0	23	S	0	22	S	0	23	S									0	S																
01658500	VAN-A26R_SOQ01B02	USGS	PL52	0	49	S	0	48	S	0	50	S	5	45	IM						0	S																Level II data: DO (0/1). Colocated with DEQ station 1aSOQ006.73.
01659000	VAN-A26R_NOR01A02	USGS	PL53	0	41	S	0	39	S	2	41	S	4	39	S						0	S																Colocated with DEQ station 1aNOR009.87
01659500	VAN-A26R_MIP01A12	USGS	PL53	0	4	S	0	4	S	0	4	S	0	4	S						0	S																
01659700	VAN-A26L_CHO01A08	USGS	PL53	0	5	S	0	5	S	0	5	S	0	5	S						0	S																
01660000	VAN-A26R_SOB01A12	USGS	PL53	0	4	S	0	4	S	1	4	IN	0	4	S						0	S																
01660020	VAN-A26L_CHO01A08	USGS	PL53	0	5	S	0	5	S	0	5	S	0	4	S						0	S																
01660030	VAN-A26L_CHO01A08	USGS	PL53	0	5	S	0	5	S	0	5	S	0	5	S						0	S																
01660400	VAN-A27R_AUA01A00	USGS	PL56	0	8	S																																Colocated with DEQ station 1aAUA014.51 and citizen station 1aAUA-SCONVILLE-ALL.
1AACC006.13	VAN-A29R_ACC01A00	A,TM	PL58	0	22	S	0	22	S	0	22	S	2	22	S						0	S																
1AACC-SCDOBE-ALL	VAN-A29E_ACC01A00	CMON	PL58		18	NA		16	NA	0	19	IN																										Level II data: DO (0/1).
1AACC-SCRAVEN-ALL	VAN-A29R_ACC01A00	CMON	PL58	0	37	S	0	37	S	0	36	IN																										
1AACO001.78	VAN-A15E_ACO01A06	C	PL30																								0	S	3	IM								FTT: IM for PCBs (2008; BSLM, SDGZ, SFBG)
1AACO002.50	VAN-A15R_ACO01A00	A,B	PL30	0	2	S	0	2	S	0	2	S																			IM							
1AACO004.84	VAN-A15R_ACO01A00	A,TM,CR	PL30	0	23	S	0	23	S	0	23	S	5	22	IM				0	S	0	S																
1AACO006.10	VAN-A15R_ACO01A00	A,B,CR	PL30	0	10	S	0	10	S	0	10	S	0	6	S						0	S									IM							
1AACO009.14	VAN-A15R_ACO01A00	A,B	PL30	0	2	S	0	2	S	0	2	S																			IM							
1AACO011.62	VAN-A15R_ACO01B10	C	PL30																								0	S	3	O								FTT: OE for Total Chlordane (2008; EELA), OE for Hept. Epox. (2008; EELA), OE for PCBs (2008; EELA).
1AACO012.58	VAN-A15R_ACO01B10	C	PL30																								0	S	1	O								FTT: OE for PCBs (2007; CFYW)
1AACO012.78	VAN-A15L_ACO01A10	C	PL30																								3	IM	3	IM								FTM: IM for Hg (2007; BSLM 1-2, SFBG). FTT: IM for PCBs (2007; CARP 1-2, SDGZ).
1AACO014.38	VAN-A15R_ACO02A00	C	PL30																								0	S	0	S								
1AACO014.57	VAN-A15R_ACO02A00	A,B,CB	PL30	0	85	S	0	84	S	0	84	S	26	68	IM						0	S									IM							USGS sampling
1AACO-1654000-MD	VAN-A15R_ACO02A00	NONA	PL30	0	30	S	0	28	S	0	30	S									0	S																Routine sampling by MD USGS
1AACO-ACC14-SOS	VAN-A15R_ACO02A00	CMON	PL30																												HP							1 sampling event (1u).
1AACO-ACC6-SOS	VAN-A15R_ACO02A00	CMON	PL30																												HP							1 sampling event (1u).
1AACO-ACC9-SOS	VAN-A15R_ACO03A02	CMON	PL30																												HP							4 sampling events (4u).
1AANT001.31	VAP-A32R_ANT01A14	TM	PL68	0	5	S	0	5	S	4	5	IM	0	5	S																							
1AAUA000.22	VAN-A28E_AUA01A14	A	PL61		2	NA		2	NA	0	2	S										IN																
1AAUA000.65	VAN-A28E_AUA01A14	A	PL57		21	NA		21	NA	0	21	S				0	1	W			0	S																
1AAUA001.39	VAN-A28E_AUA01B06	A,CB,TM,TR	PL57		105	NA		105	NA	3	105	S				1	26	S			0	S																
1AAUA002.04	VAN-A28E_AUA01B06	C2	PL57		3	NA		3	NA	3	3	IM				0	1	W		IN		IN																
1AAUA003.71	VAN-A28E_AUA01C00	A,C,TE,CB,TR	PL57		135	NA		135	NA	13	135	S				2	40	S			0	S					0	S	3	IM								FTT: IM for PCBs (2008; CFBN, PCYW, SDGZ).
1AAUA-003.71-VIMS	VAN-A28E_AUA01C00	NONA	PL57		41	NA		41	NA	0	41	S																										
1AAUA004.62	VAN-A28E_AUA01D06	C2	PL57		1	NA		1	NA	0	1	W				0	1	W				IN																
1AAUA005.35	VAN-A28E_AUA01D06	A,CB	PL57		19	NA		19	NA	0	19	S																										
1AAUA007.92	VAN-A28E_AUA02A04	A,TM	PL57		12	NA		12	NA	0	12	S																										
1AAUA014.51	VAN-A27R_AUA01A00	A,TR	PL56	0	33	S	0	32	S	0	33	S	3	33	S						0	S																Colocated with USGS station 01660400 and citizen station 1aAUA-SCONVILLE-ALL.
1AAUA023.09	VAN-A27R_AUA02A02	A	PL56	0	10	S	0	10	S	0	10	S	2	10	IM																							
1AAUA-SC3085-ALL	VAN-A28E_AUA02A04	CMON	PL57		10	NA		10	NA	0	10	IN																										
1AAUA-SCAPPLE-ALL	VAN-A27R_AUA02A02	CMON	PL56	0	37	S	0	40	S	0	39	IN																										
1AAUA-SCHARB-ALL	VAN-A28E_AUA02A04	CMON	PL57		15	NA		7	NA	0	15	IN																										Level II data: DO (0/8).
1AAUA-SCONVILLE-ALL	VAN-A27R_AUA01A00	CMON	PL56	0	39	S	0	37	S	0	37	IN																										Colocated with DEQ station 1aAUA014.51 and USGS station 01660400.
1AAUA-SCSHORE-ALL	VAN-A28E_AUA01B06	CMON	PL57		32	NA		19	NA	2	32	IN																										Level II data: DO (1/12).
1AAUS000.49	VAN-A28R_AUS01A04	A,TM	PL57	0	12	S	0	12	S	0	12	S	2	12	IM																							
1AAUS001.60	VAN-A28R_AUS02A06	A	PL57	0	12	S	0	11	S	0	12	S	3	12	IM																							
1AAUS-SCAUST-ALL	VAN-A28R_AUS02A06	CMON	PL57	0	20	S	0	20	S	0	20	IN																										
1ABAL001.40	VAN-A13R_BAL01A00	A	PL26	0	11	S	0	11	S	0	11	S	3	11	IM																							
1ABAN001.34	VAP-A32R_BAN01A14	TM	PL68	0	12	S	3	12	IM	5	12	IM	3	12	IM																							
1ABAO-16-SOS	VAN-A08R_BAO01A06	CMON	PL13	0	29	S	0	8	IN	0	8	S	6	29	IN/O																							3 sampling events (3a).
1ABEA000.77	VAP-A32R_BEA01A04	TM	PL68	0	12	S	0	12	S	1	12	S	1	12	S																							
1ABEC004.76	VAN-A07R_BEC01A00	A,B,TR	PL11	0	30	S	0	30	S	0	30	S	4	27	IM							IN									FS							
1ABEC011.76	VAN-A07R_BEC03A12	A	PL11	0	12	S	0	12	S	0	12	S	6	12	IM																							
1ABEM000.60	VAN-A09R_BEM01A04	A,TM	PL19	0	17	S	0	17	S	0	17	S	2	17	IM						0	S																
1ABEM-13C-SOS	VAN-A09R_BEM02B10	CMON	PL19																												HP							3 sampling events (1g/2u).

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Potomac River Basin																																					
1ABIB000.69	VAN-A08R_BIB01A14	A	PL14	0	9	S	0	9	S	0	9	S	3	9	IM																						
1ABIR002.19	VAN-A22R_BIR01A02	A	PL45	0	10	S	0	10	S	0	10	S	4	10	IM																						
1ABIR003.02	VAN-A22R_BIR01A02	A,B	PL45	0	2	S	0	2	S	0	2	S																		IM							
1ABIR-CR09-SOS	VAN-A22R_BIR02A02	CMON	PL45																										MP							2 sampling events (1a/1u).
1ABIR-CR10-SOS	VAN-A22R_BIR01A02	CMON	PL45																										HP							2 sampling events (2u).
1ABIR-CR17-SOS	VAN-A22R_BIR02A02	CMON	PL45																										HP							3 sampling events (1g/2u).
1ABIR-CR4-SOS	VAN-A22R_BIR02A02	CMON	PL45																										HP							3 sampling events (1g/2u).
1ABIR-CR5-SOS	VAN-A22R_BIR01A02	CMON	PL45																										HP							12 sampling events (12u).
1ABOL000.05	VAN-A04R_BOL01A04	A	PL07	0	6	S	0	6	S	0	6	S	2	6	IM																						
1ABOL-18-SOS	VAN-A04R_BOL01A04	CMON	PL07	0	28	S	0	7	IN	0	8	S	0	28	IN															LP							7 sampling events (6a/1u).
1ABOL-9-SOS	VAN-A04R_BOL01A04	CMON	PL07	0	28	S	0	7	IN	0	6	S	2	29	IN															LP							6 sampling events (5a/1u).
1ABOM000.46	VAP-A33E_BOM01A98	A	PL70		14	NA		14		0	14	S				4	12	IM																6		No new data since 2012 cycle
1ABRB002.15	VAN-A09R_BRB01A00	A,B,TR,FPM,TM	PL19	0	50	S	0	50	S	0	48	S	8	41	IM				0	S	0	S									IM							Colocated with USGS station 01644280
1ABRB006.33	VAN-A09R_BRB03A06	A,TM	PL19	0	23	S	1	23	S	0	23	S	4	19	IM				0	S	0	S																
1ABRB006.97	VAN-A09R_BRB03A06	A,B	PL19	0	8	S	0	7	S	0	8	S																		IM							
1ABRB015.38	VAN-A09R_BRB04A08	A,TM	PL17	0	18	S	0	18	S	0	18	S	5	18	IM				0	S	0	S																
1ABRB015.43	VAN-A09R_BRB04A08	A,B	PL17	0	5	S	0	4	S	0	5	S																		IM							
1ABRB018.07	VAN-A09R_BRB05A12	FPM	PL17	0	1	W	0	1	W	0	1	W	0	1	W					IN		IN		IN													
1ABRB-BR1-SOS	VAN-A09R_BRB01A00	CMON	PL19																										HP							1 sampling event (1u).
1ABRB-LWC19-SOS	VAN-A09R_BRB03C10	CMON	PL17																										HP							4 sampling events (1g/3u).
1ABRB-NFBR1-SOS	VAN-A09R_BRB04A08	CMON	PL17																										MP							2 sampling events (1a/1u).
1ABRG000.15	VAP-A31E_BRG01A04	TM	PL67		24	NA		24		1	24	S				16	23	IM																			Connection between Bridges and Potomac sometimes blocked; no new data since 2012 cycle
1ABRG002.69	VAP-A31R_BRG01A12	TM	PL67	0	3	S	0	3	S	0	3	S	0	3	S																						No new data since 2012 cycle
1ABRU001.59	VAN-A19R_BRU01A04	A,TR	PL34	0	31	S	0	31	S	0	31	S	5	31	IM																						
1ABRU011.48	VAN-A19R_BRU02A00	A	PL34	0	12	S	0	12	S	0	12	S	5	12	IM						0	S																
1ABRU025.35	VAN-A19R_BRU07B06	A	PL32	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																
1ABRU029.80	VAN-A19R_BRU08B10	A	PL31	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																
1ABRU-1-PWSWCD	VAN-A19R_BRU01A04	CMON	PL34										1	11	IN																						
1ABRU-LM01-OWML	VAN-A19L_BRU02A02	OWML	PL32	0	1102	S	19	566	S	12	1102	S																			0	2	S	0	2	S	Lake Manassas. Lacustrine Zone = LM01, LM02, LM03, LM04, LM05, LM06. chl a & TP (algaecide applied) pooled at these stations -FS (2011,2012).
1ABRU-LM04-OWML	VAN-A19L_BRU03A02	OWML	PL32	0	921	S	13	500	S	21	921	S																			0	2	S	0	2	S	Lake Manassas. Lacustrine Zone = LM01, LM02, LM03, LM04, LM05, LM06. chl a & TP (algaecide applied) pooled at these stations -FS (2011,2012).
1ABRU-LM05-OWML	VAN-A19L_BRU03A02	OWML	PL32	0	669	S	5	481	S	11	669	S																			0	2	S	0	2	S	Lake Manassas. Lacustrine Zone = LM01, LM02, LM03, LM04, LM05, LM06. chl a & TP (algaecide applied) pooled at these stations -FS (2011,2012).
1ABRU-LM06-OWML	VAN-A19L_BRU04A02	OWML	PL32	0	556	S	6	337	S	5	556	S																			0	2	S	0	2	S	Lake Manassas. Lacustrine Zone = LM01, LM02, LM03, LM04, LM05, LM06. chl a & TP (algaecide applied) pooled at these stations -FS (2011,2012).
1ABRU-LM07-OWML	VAN-A19L_BRU07A12	OWML	PL32	0	443	S	1	300	S	6	443	S																									Lake Manassas. Non-Lacustrine Zone.
1ABRU-LM08-OWML	VAN-A19L_BRU06A12	OWML	PL32	0	565	S	1	321	S	11	565	S																									Lake Manassas. Non-Lacustrine Zone.
1ABSC-BIGSP1-SOS	VAN-A03R_BSC01A06	CMON	PL05																										HP							3 sampling events (1g/2u).
1ABUL025.94	VAN-A21R_BUL02A00	A,TR	PL42	0	30	S	0	30	S	0	30	S	4	30	IM						0	S																
1ABUN-BULL01-SOS	VAN-A11R_BUN01A02	CMON	PL23																										HP							3 sampling events (1g/2u).
1ABUP001.19	VAP-A31R_POP01A00	TM	PL67	0	12	S	0	12	S	6	12	IM																									No new data since 2012 cycle
1ABUV000.15	VAP-A32R_BUV01A14	TM	PL68	0	12	S	0	12	S	3	12	IM	3	12	IM																						
1ACAA001.18	VAN-A21R_CAA01A02	A,B	PL43	0	2	S	0	2	S	0	2	S																		IM							
1ACAA007.34	VAN-A21R_CAA02A08	A,B	PL43	0	3	S	0	2	S	0	3	S																		FS							
1ACAA-CATH-SOS	VAN-A21R_CAA01A02	CMON	PL43																										MP							4 sampling events (1a/1g/2u).
1ACAA-CREW-SOS	VAN-A21R_CAA01A02	CMON	PL43																										MP							6 sampling events (2a/4u).
1ACAB-CB01-SOS	VAN-A09R_CAB01A12	CMON	PL19																										HP							1 sampling event (1u).
1ACAH000.96	VAN-A11R_CAH01A04	A,TM	PL22	0	7	S	0	7	S	0	7	S	1	7	IN						0	S																
1ACAM002.92	VAN-A13R_CAM01A04	A,TR	PL26	0	34	S	0	34	S	0	33	S	3	33	S						0	S																
1ACAS000.58	VAP-A31R_CAS01A00	A	PL67	0	12	S	5	12	IM	3	12	IM	1	12	S																						No new data since 2012 cycle
1ACAX003.69	VAN-A02R_CAX01A00	FPM,B	PL03	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S		IN							J							Biological monitoring indicated an impacted benthic community; however, due to private property concerns and access problems at this location, follow-up monitoring occurred at nearby site 1aCAX004.57. An observed effect is observed. Water metal data pooled with 1aCAX003.81.
1ACAX003.81	VAN-A02R_CAX01A00	FPM,B	PL03	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S									FS							Water metal data pooled with 1aCAX003.69.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Potomac River Basin																																					
1ACAX004.57	VAN-A02R_CAX01A00	A,CB,B,TM	PL03	0	83	S	0	81	S	0	81	S	18	80	IM						0	S									FS							Colocated with citizen station 1aCAX-4.57-LWC
1ACAX-4.57-LWC	VAN-A02R_CAX01A00	CMON	PL03										14	37	IN/O																							Colocated with DEQ station 1aCAX004.57
1ACAX-6.50-LWC	VAN-A02R_CAX02A08	CMON	PL03										11	35	IN/O																							
1ACER005.02	VAN-A18R_CER01A02	FPM,B	PL40	0	2	S	0	2	S	0	2	S	0	1	W					IN	0	S		IN							FS							
1ACER006.00	VAN-A18R_CER01A02	A,TR	PL40	0	33	S	0	32	S	0	33	S	8	33	IM						0	S																
1ACER016.46	VAN-A17R_CER02A02	A,TR	PL38	0	33	S	0	32	S	0	33	S	9	33	IM						0	S																
1ACER030.62	VAN-A17R_CER03C12	A	PL35	0	11	S	0	11	S	0	11	S	5	11	IM																							
1ACHC001.50	VAP-A32R_CHC01A14	TM	PL69	1	12	S	1	12	S	0	12	S	0	12	S																							
1ACHN002.97	VAN-A29E_CHN02A10	A	PL62		19	NA		19	NA	0	19	S				3	19	IM				IN															
1ACHO000.47	VAN-A26E_CHO01A04	A,CB,TR	PL53		122	NA		122	NA	0	122	S									0	S															
1ACHO000.90	VAN-A26E_CHO01A04	C	PL53																								0	S	22	IM							FTT: IM for PCBs (2008; BSLM, CARP 1-6, CFBN, CFCH 1-2, EELA 1-4, PCWH, PCYW, SDGZ, SFXX). OE for Sum DDE (2008; EELA 3-4). OE for Sum DDT (2008; EELA 3-4).
1ACHO003.47	VAN-A26R_CHO01A02	FPM,B	PL53	0	2	S	0	2	S	0	2	S	0	1	W					IN	0	S									FS							
1ACHO003.65	VAN-A26R_CHO01A02	A,TM	PL53	0	12	S	0	11	S	0	12	S	1	12	S																							
1ACHT000.84	VAN-A21R_CHT01A14	A	PL42	0	7	S	0	7	S	0	7	S	1	7	IN																							
1ACLA-PB1-SOS	VAN-A11R_CLA01A02	CMON	PL23																												HP							1 sampling event (1u).
1ACLK002.40	VAN-A03R_CLK01A08	A,B	PL04	0	16	S	0	15	S	0	16	S	4	12	IM						0	S									FS							
1ACLK-CLRK01-SOS	VAN-A03R_CLK01A08	CMON	PL04																												LP							1 sampling event (1a).
1ACOA001.44	VAP-A34E_COA02A02	A,TR	PL72		37	NA		36		0	37	S				0	36	S																	35		
1ACOA002.52	VAP-A34E_COA02A02	C2	PL72		5	NA		5		0	5	W				0	1	W			0	IN	0	S	0	S									1		One sample event; 2012 WOE category 3B HM-M scenario 8 (probably effects of high metals and PAH concentrations in sed)
1ACOA004.12	VAP-A34E_COA01A98	TM	PL72		12	NA		12		0	12	S				2	12	IM																			No new data since 2012 cycle
1ACOC000.42	VAP-A34E_COC01A98	A	PL73		12	NA		12		0	12	S				1	12	S																	6		No new data since 2012 cycle; green
1ACON000.96	VAP-A34E_COA01A98	TM	PL72		25			25		2	25	S				12	24	IM																			Previously considered riverine; no new data since 2012 cycle
1ACON002.88	VAP-A34R_CON01B10	TM,B	PL72	0	14	S	0	14	S	0	14	S	2	12	IM																FS							2010 benthics; no new data since 2012 cycle
1ACOV003.32	VAN-A11R_COV02A02	A,B	PL22	0	2	S	0	1	W	0	1	W																			IM							
1ACOV-DR13-SOS	VAN-A11R_COV01B06	CMON	PL22																												LP							1 sampling event (1a).
1ACOV-DR27-SOS	VAN-A11R_COV02A02	CMON	PL22																												HP							16 sampling events (1a/2g/13u).
1ACOV-DR28-SOS	VAN-A11R_COV02A02	CMON	PL22																												LP							11 sampling events (8a/1g/3u).
1ACOW000.38	VAP-A31R_MAO01A98	A,B	PL66	0	2	S	0	2	S	1	2	IN																			FS							previous pH impairment; 2012 benthics
1ACRA000.42	VAN-A04R_CRA01A04	A	PL07	0	13	S	0	13	S	0	13	S	4	13	IM																							
1ACRA-10-SOS	VAN-A04R_CRA02A08	CMON	PL07	0	26	S	0	7	IN	0	5	S	4	27	IN/O																LP							7 sampling events (7a).
1AGOO018.17	VAN-A05R_GOO01A00	FPM,B	PL10	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S									FS							Water metal data pooled with 1aGOO021.28.
1AGOO021.28	VAN-A05R_GOO01A00	FPM,B	PL10	0	2	S	0	1	W	0	1	W	0	1	W				0	IN	0	S		IN							FS							Water metal data pooled with 1aGOO018.17.
1AGOO022.44	VAN-A05R_GOO01A00	A,B	PL10	0	19	S	0	18	S	0	18	S	1	12	S						0	S									FS							
1AGOO030.75	VAN-A05R_GOO02A06	A,B,TR	PL10	0	34	S	0	34	S	0	34	S	5	31	IM						0	S									FS							
1AGOO044.36	VAN-A04R_GOO01B00	A,TR	PL07	0	31	S	0	31	S	0	31	S	8	31	IM						0	S																
1AGOO-10-SOS	VAN-A05R_GOO01A00	CMON	PL10	0	27	S	0	8	IN	0	8	S	2	29	IN																MP							2 sampling events (1a/1u).
1AGOO-11-SOS	VAN-A05R_GOO02C04	CMON	PL07	0	3	S	0	1	IN	0	1	W	0	3	IN																LP							1 sampling event (1a).
1AGOO-1-SOS	VAN-A05R_GOO02B06	CMON	PL07																												HP							1 sampling event (1u).
1AGOO-20-SOS	VAN-A08R_GOO04A08	CMON	PL14	0	26	S	0	8	IN	0	8	S	2	29	IN																LP							2 sampling events (2a).
1AGOO-21-SOS	VAN-A05R_GOO02A06	CMON	PL10	0	18	S							0	19	IN																MP							7 sampling events (2a/2g/3u).
1AGOO-2-SOS	VAN-A05R_GOO02B06	CMON	PL07	0	29	S	0	7	IN	0	6	S	2	30	IN																LP							4 sampling events (4a).
1AGOO-3-SOS	VAN-A05R_GOO02C04	CMON	PL07	0	26	S	0	6	IN	0	5	S	2	27	IN																MP							4 sampling events (2a/1g/1u).
1AGOO-4-SOS	VAN-A04R_GOO01A08	CMON	PL07	0	28	S	0	7	IN	0	6	S	2	29	IN																LP							2 sampling events (2a).
1AGOO-5-SOS	VAN-A04R_GOO01B00	CMON	PL06	0	27	S	0	7	IN	0	6	S	0	28	IN																LP							3 sampling events (3a).
1AGOO-6-SOS	VAN-A04R_GOO02A04	CMON	PL06	0	21	S	0	7	IN	0	6	S	1	23	IN																LP							4 sampling events (3a/1g).
1AGOO-7-SOS	VAN-A04R_GOO02A04	CMON	PL06	0	22	S	0	7	IN	0	6	S	1	23	IN																LP							2 sampling events (1a/1g).
1AGRU000.02	VAP-A31R_POP01A00	TM	PL67	0	12	S	0	12	S	11	12	IM																									No new data since 2012 cycle
1AGUL-P1-SOS	VAN-A12R_GUL01A04	CMON	PL24																												HP							1 sampling event (1u).
1AGUL-P2-SOS	VAN-A12R_GUL01A04	CMON	PL24																												HP							1 sampling event (1u).
1AGUL-P3-SOS	VAN-A12R_GUL01A04	CMON	PL24																												HP							1 sampling event (1u).
1AHAC000.96	VAP-A34E_HAC01A00	A	PL73		11	NA		11		0	11	S				2	11	IM																	6		No new data since 2012 cycle
1AHAM001.92	VAP-A33E_HAM01A02	A	PL71		12	NA		12		0	12	S				3	11	IM																	6		No new data since 2012 cycle
1AHAM003.08	VAP-A33L_HAM01A12	L	PL71	13	69	IM	4	69	S	0	69	S	0	13	S						0	S																Used to be station 1AHAM001.97.
1AHED-6-PWSWCD	VAN-A25R_HED01A12	CMON	PL49										3	13	IN/O																							
1AHOO000.34	VAN-A24R_HOO01A02	A,TM	PL47	0	19	S	1	19	S	0	19	S	6	19	IM																							
1AHOR005.48	VAN-A13R_HOR01B00	A,B,TM,FPM	PL26	0	22	S	0	22	S	0	22	S	11	17	IM				0	S	0	S									IM							
1AHOR-HR2-SOS	VAN-A13R_HOR01B00	CMON	PL26																												HP							6 sampling events (6u).

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Potomac River Basin																																					
1AHOR-HR3-SOS	VAN-A13R_HOR01A00	CMON	PL26																												HP							4 sampling events (4u).
1AHOW003.68	VAN-A08R_HOW01A08	A,CR	PL13	0	2	S	0	2	S	0	2	S	2	2	IM						0	S																
1AHPR003.87	VAN-A09R_HPR01A00	A,TM	PL18	0	10	S	0	10	S	0	10	S	1	10	S						0	S																
1AHPR003.93	VAN-A09R_HPR02A12	A,B	PL18	0	2	S	0	2	S	1	2	IN																			IM							
1AHPR-HP04-SOS	VAN-A09R_HPR02A12	CMON	PL18																												HP							1 sampling event (1u).
1AHUL003.34	VAP-A34E_HUL01A02	C2	PL73		1	NA		1		0	1	W				0	1	W			0	IN	0	S	0	S												WOE - 2007: Category 3B; LM-S scenario 5; 1 sample event; no data since 2010 cycle
1AHUL004.80	VAP-A34R_HUL01A14	A	PL73	0	12	S	0	12	S	1	12	S	0	11	S																							
1AHUN-17a-SOS	VAN-A08R_HUN01A06	CMON	PL13	0	26	S	0	8	IN	0	7	S	5	28	IN/O																							
1AHUN-17-SOS	VAN-A08R_HUN01A06	CMON	PL13																												LP							4 sampling events (3a/1u).
1AHUT000.01	VAN-A13E_HUT01A02	A,C,TR	PL26		34	NA		34	NA	0	33	S	16	33	IM						0	S					1	O	16	IM								FTM: OE for Hg (2008; BSLM). FTT: IM for PCBs (2008; BSLM, CARP 1-6, PCWH, SDGZ, SFRB, SKWH 1-2), OE for Total Chlordane (2008; CARP 5-6). OE for Hept. Epox. (2008; CARP 5-6).
1AINI000.80	VAN-A09R_INI01A14	A	PL18	0	10	S	0	10	S	0	10	S	4	10	IM																							
1AJEE002.22	VAN-A05R_JEE01A08	B,SS	PL08	0	5	S	0	5	S	1	5	IN																			IM							
1AJEE-22-SOS	VAN-A05R_JEE01A08	CMON	PL08	0	19	S	0	6	IN	0	6	S	3	20	IN/O																MP							6 sampling events (2a/2g/2u).
1AKET002.06	VAN-A19R_KET01A00	A	PL33	0	10	S	0	10	S	0	10	S	3	10	IM																							
1AKET009.91	VAN-A19R_KET01B12	A	PL33	0	10	S	0	10	S	0	10	S	4	10	IM																							
1AKET-2-PWSWCD	VAN-A19R_KET01A00	CMON	PL33										3	14	IN/O																							
1AKET-3B-PWSWCD	VAN-A19R_KET01A00	CMON	PL33										5	12	IN/O																							
1AKET-5-PWSWCD	VAN-A19R_KET01B12	CMON	PL33										2	13	IN/O																							
1AKIN000.10	VAP-A34E_KIN01A00	C2	PL72		3	NA		3		0	3	W				0	1	W	0	IN	0	IN	0	S	0	S												WOE - 2008: Category 3B; HM-S scenario 5 (possible chronic effects of sed PAHs?); 1 sample event; no data since 2010 cycle
1ALBR000.04	VAN-A12R_LBR01A08	A	PL25	0	5	S	0	5	S	0	5	S	2	5	IM																							
1ALEC001.18	VAP-A32R_LEC01A10	TM	PL70	0	13	S	4	13	IM	1	13	S	4	13	IM																							No new data since 2012 cycle
1AXAQ000.85	VAN-A03R_XAQ01A04	A	PL05	0	12	S	0	12	S	0	12	S	7	12	IM																							
1AXAQ-5-SOS	VAN-A03R_XAQ01A04	CMON	PL05																												MP							2 sampling events (1a/1g).
1AXCJ000.54	VAP-A32R_XCJ01A10	TM	PL70	0	13	S	0	13	S	1	13	S	4	13	IM																							No new data since 2012 cycle
1AXDW000.08	VAP-A33E_JCK01B14	A	PL70		12	NA		12		0	12	S				2	12	IM																		6		No new data since 2012 cycle
1AXGJ000.42	VAN-A03R_XGJ01A04	A,SS,CR	PL05	0	13	S	0	13	S	0	13	S	3	13	IM						0	S																
1AXHM000.38	VAP-A31R_MRC01A98	TM	PL67	0	14	S	4	14	IM	13	14	IM																										
1aXJJ-DR20-SOS	VAN-A11R_XJJ01A02	CMON	PL22																												HP							9 sampling events (1a/8u).
1AXJK-CR11-SOS	VAN-A22R_XJK01A02	CMON	PL45																												MP							13 sampling events (5a/4g/4u).
1AXJT-2.10-LWC	VAN-A02R_XJT01A06	CMON	PL03										31	56	IN/O																							
1AXKR-0.10-LWC	VAN-A02R_XKR01A08	CMON	PL03										12	27	IN/O																							
1ALID000.64	VAN-A11R_LID01A02	A,B,TM	PL22	0	9	S	0	9	S	0	9	S	0	7	S						0	S									IM							
1ALID-DR7-SOS	VAN-A11R_LID02A02	CMON	PL22																												LP							6 sampling events (4a/1g/1u).
1ALIE000.52	VAN-A26R_LIE01A02	A,TM	PL52	0	10	S	0	9	S	0	10	S	1	10	S																							
1ALIF000.19	VAN-A14E_LIF01A00	A,C,TR	PL28		34	NA		34	NA	0	33	S	1	34	S						0	S					0	S	5	IM								FTT: IM for PCBs (2008; BSLM, CFBN, CFCH, SDGZ, SFBG).
1ALII003.97	VAN-A21R_LII02A02	A	PL43	0	12	S	0	11	S	0	12	S	1	12	S						0	S																
1ALII-CRNB-SOS	VAN-A21R_LII01A02	CMON	PL43																												LP							2 sampling events (2a).
1ALIL001.43	VAN-A17R_LIL01A00	A	PL37	0	12	S	0	11	S	0	12	S	3	12	IM						0	S																
1ALIL009.92	VAN-A17R_LIL02A04	A	PL37	0	9	S	0	8	S	0	9	S	3	9	IM						0	S																
1ALIM001.16	VAN-A03R_LIM01A00	A,B,TR	PL05	0	37	S	0	36	S	0	37	S	15	33	IM						0	S									FS							
1ALIM001.80	VAN-A03R_LIM01A00	A,SS,CR	PL05	0	15	S	0	15	S	1	15	S	6	15	IM						0	S																
1ALIO000.15	VAN-A12R_LIO01A10	A,CR	PL24	0	11	S	0	11	S	0	11	S	3	11	IM																							
1ALIO001.50	VAN-A12R_LIO01A10	A,CR	PL24	0	23	S	0	23	S	0	23	S	9	23	IM																							
1ALIO-1-SLPR	VAN-A12R_LIO01A10	CMON	PL24										7	9	IN/O																							
1ALIO-2-SLPR	VAN-A12R_LIO01A10	CMON	PL24										2	4	IN/O																							
1ALIO-3A-SLPR	VAN-A12R_LIO01A10	CMON	PL24										2	2	IN/O																							
1ALIO-3-SLPR	VAN-A12R_LIO01A10	CMON	PL24										3	4	IN/O																							
1ALIO-4-SLPR	VAN-A12R_LIO01A10	CMON	PL24										3	3	IN/O																							
1ALIO-LPRBR-SOS	VAN-A12R_LIO01A10	CMON	PL24																												HP							7 sampling events (1g/6u).
1ALIP001.00	VAN-A23R_LIP01A06	A,B	PL46	0	13	S	0	13	S	0	13	S	1	11	S						0	S									IM							
1ALIV001.70	VAN-A08R_LIV01A00	A	PL13	0	12	S	0	12	S	0	12	S	1	12	S						0	S																
1ALIV004.78	VAN-A08R_LIV01A00	A,B	PL13	0	3	S	0	3	S	0	3	S																			IM							
1ALIV012.12	VAN-A08R_LIV02B10	A,B	PL13	0	18	S	0	18	S	0	18	S	1	17	S						0	S									IM							
1ALIV-12-SOS	VAN-A08R_LIV03A06	CMON	PL13	0	30	S	0	8	IN	0	8	S	4	30	IN/O																LP							4 sampling events (4a).
1ALIV-23-SOS	VAN-A08R_LIV03A06	CMON	PL13	0	23	S	0	6	IN	0	6	S	4	24	IN/O																MP							6 sampling events (3a/2g/1u).
1ALOA000.17	VAN-A15R_LOA01A08	A,TM,CR	PL30	0	22	S	0	22	S	0	22	S	4	21	IM				0	S	0	S																
1ALOG001.10	VAP-A33E_LOG02A98	C2	PL71		1	NA		1		0	1	W				0	1	W																			
1ALOG001.20	VAP-A33E_LOG02A98	A,TR	PL71		37	NA		36		0	37	S				4	35	IM																		36		
1ALOG003.30	VAP-A33R_LOG01A04	A,TM	PL71	0	25	S	5	22	IM	0	25	S	3	21	IM						0	S																

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Potomac River Basin																																					
1ALOG003.45	VAP-A33R_LOG01A04	TM	PL71	0	3	S	0	3	S	0	3	S	0	3	S																						
1ALOH007.93	VAN-A29L_LOH02A02	L	PL59	0	44	S	0	17	S	4	44	S	0	9	S						0	S												1	IN	Curtis Lake: Nutrients - sampled 2007, complete monitoring year, FS for chl a
1ALOI000.27	VAP-A33E_WES02A06	C2	PL71		3	NA		3		0	3	W				1	1	W			0	IN	0	S	0	S										One sample event; 2012 WOE category 3B HM-S scenario 8 (potential chronic effects of PAHs in sed; also potential eutrophication)
1ALOW000.85	VAP-A32E_LOW02A00	PFWQ	PL70		3	NA		3		0	3	S				1	1	W			0	S												2		HAB response; no data since 2010 cycle
1ALOW004.77	VAP-A32E_LOW01A04	A,PFWQ,TR	PL70		38	NA		38		0	38	S				2	36	S			0	IN												36		
1AMAO000.07	VAP-A31E_MAO02A00	C2	PL67		2	NA		2		0	2	W				0	1	W	0	IN	0	IN	0	S	0	S								1		1 sample event; WOE - 2009 category 3B, LM-S scenario 8 (strong possibility of PAHs); no new data since 2012 cycle
1AMAO000.14	VAP-A31E_MAO02A00	PFWQ	PL67		7	NA		7		0	7	S																								HAB/fish kill response; no data since 2010 cycle
1AMAO000.42	VAP-A31E_MAO02A00	A	PL66		14	NA		13		0	14	S				1	13	S			0	S												13		No data since 2010 cycle
1AMAO000.52	VAP-A31E_MAO02A00	C2	PL66		4	NA		4		0	4	W				0	1	W	0	IN	0	IN	0	S	0	S								1		WOE - 2008: Category 3B; LM-M scenario 8 (probably chronic effects of sediment PAHs, possibly metals); 1 sample event; no data since 2010 cycle
1AMAO001.15	VAP-A31E_MAO01A98	PFWQ	PL66		1	NA		1		0	1	W																								No data since 2010 cycle
1AMAO001.27	VAP-A31E_MAO01A98	C2	PL66		3	NA		3		0	3	W				1	1	W			0	S	0	S	0	S								4		WOE - 2007: Category 3B; LM-M scenario 5; 1 sample event; no data since 2010 cycle
1AMAO002.21	VAP-A31E_MAO01B10	PFWQ	PL66		1	NA		1		0	1	W																								No data since 2010 cycle
1AMAO002.46	VAP-A31E_MAO01B10	PFWQ	PL66		6	NA		6		0	6	S																								No data since 2010 cycle
1AMAO004.08	VAP-A31E_MAO01B10	TM,PFWQ	PL66		13	NA		13		0	13	S				5	12	IM																12		
1AMAO007.46	VAP-A31R_MAO01A98	A	PL66	0	12	S	2	12	IM	3	12	IM	1	11	S																						
1AMAR000.62	VAP-A32R_MAR01A14	TM	PL68	0	12	S	2	12	IM	2	12	IM	4	12	IM																						
1AMAU001.16	VAN-A25E_MAU01A12	A,TM	PL50		22	NA		22	NA	1	22	S	5	22	IM																						
1AMAU001.67	VAN-A25R_MAU01A04	A,TM	PL50	0	10	S	0	10	S	0	10	S	5	10	IM																						
1AMIA002.34	VAP-A33R_MIA01A00	TM	PL71	1	12	S	0	12	S	0	12	S	2	11	IM																						No new data since 2012 cycle
1AMIA004.12	VAP-A33R_MIA01A00	TM	PL71	0	24	S	0	24	S	0	24	S	5	24	IM																						
1AMIH001.98	VAN-A02R_MIH01A06	A	PL03	0	10	S	0	10	S	0	10	S	4	10	IM																						
1AMIH-2.50-LWC	VAN-A02R_MIH01A06	CMON	PL03										23	56	IN/O																						
1AMIH-4.50-LWC	VAN-A02R_MIH01B02	CMON	PL03										30	56	IN/O																						
1AMIP000.40	VAN-A26R_MIP01A12	A,TM	PL53	0	11	S	0	10	S	0	11	S	0	11	S																						
1AMNR000.72	VAN-A11R_MNR01A04	A,TM	PL23	0	9	S	0	8	S	0	9	S	1	9	IN																						
1AOLD000.70	VAP-A32R_OLD01A14	TM	PL68	0	12	S	0	12	S	2	12	IM	1	12	S																						
1AOWL001.85	VAN-A17R_OWL01A14	A	PL36	0	9	S	0	9	S	0	9	S	3	9	IM																						
1APAE002.54	VAN-A05R_PAE01A02	A	PL08	0	12	S	0	12	S	0	12	S	3	12	IM																						
1APAS-PT-FBRA	VAN-A29R_PAS01A14	CMON	PL61										1	3	IN																						
1APAU001.17	VAN-A14R_PAU01A04	A,B,TR	PL28	0	14	S	1	14	S	0	14	S	5	12	IM						0	S									IM						
1APAU-PSB01-SOS	VAN-A14R_PAU01A04	CMON	PL28																											HP						8 sampling events (8u).
1APAU-PSB02-SOS	VAN-A14R_PAU01A04	CMON	PL28																											HP						2 sampling events (2u).
1APEP001.58	VAN-A30R_PEP01A10	A	PL64	0	14	S	2	14	IM	3	14	IM	0	14	S							IN														
1APEP004.26	VAN-A30R_PEP01A10	A	PL64	0	2	S	1	2	IN	1	2	IN	0	2	S						0	S														
1APIA001.80	VAN-A01R_PIA01A00	A,B,TR	PL01	0	38	S	0	38	S	0	38	S	7	34	IM						0	S									FS						
1APIA003.51	VAN-A01R_PIA01A00	FPM,B	PL01	0	2	S	0	2	S	0	2	S	1	1	W					IN	0	S									FS						
1APIA004.67	VAN-A01R_PIA02A06	A,B	PL01	0	2	S	0	2	S	0	2	S																			FS						
1APIA-1-SOS	VAN-A01R_PIA02A06	CMON	PL01																											LP						2 sampling events (2a).
1APIM000.15	VAN-A12R_PIM01A00	A,TR,TM	PL24	0	36	S	0	34	S	1	35	S	12	36	IM																						
1APIM001.89	VAN-A12R_PIM02A00	A,B,FPM,TM,SS	PL24	0	14	S	0	13	S	0	14	S	4	11	IM					IN	0	S									IM						
1APIM004.16	VAN-A12R_PIM02B06	A,TM	PL24	0	19	S	0	17	S	0	19	S	7	19	IM																						
1APIM-P1-SOS	VAN-A12R_PIM01A00	CMON	PL24																											HP						3 sampling events (3u).
1APIM-P2-SOS	VAN-A12R_PIM01A00	CMON	PL24																											MP						3 sampling events (1a/2u).
1APIM-P3-SOS	VAN-A12R_PIM01A00	CMON	PL24																											MP						2 sampling events (1a/1u).
1APIM-PIM2-SOS	VAN-A12R_PIM02A00	CMON	PL24																											HP						14 sampling events (3g/11u).
1APIM-PIM3-SOS	VAN-A12R_PIM02B06	CMON	PL24																											HP						2 sampling events (2u).
1APIN000.57	VAP-A31R_PIN01A00	TM	PL65	0	12	S	6	12	IM	0	12	S	1	12	S																						Class VII
1APIN007.24	VAP-A31R_PIN01A00	TM	PL65	0	12	S	5	12	IM	0	12	S	2	11	IM																						Class VII
1APIY-PHC01-SOS	VAN-A23R_PIY01A02	CMON	PL46																											LP						14 sampling events (7a/1g/1u).
1APOE002.00	VAN-A23R_POE01A00	A,TR	PL46	0	32	S	0	31	S	0	32	S	6	32	IM						0	S														
1APOE-PHC05-SOS	VAN-A23R_POE01A00	CMON	PL46																											MP						3 sampling events (1a/2g).
1APOE-POPE-SOS	VAN-A23R_POE01A00	CMON	PL46																											LP						8 sampling events (6a/1g/1u).
1APOH000.19	VAN-A15E_POH01A00	C2	PL50		2	NA		2	NA	0	2	S	0	1	W							IN														
1APOH000.93	VAN-A15E_POH01A00	A,TE,CB,TR	PL30		82	NA		80	NA	0	82	S	1	26	S						0	S														
1APOH002.10	VAN-A15E_POH02A00	A,CB	PL30		124	NA		119	NA	110	617	IM	0	6	S																						Continuous Monitoring Data - pH: 2007 (50/204, 24.5%), 2008 (24/203, 11.8%), 2009 (36/210, 17.1%)

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Potomac River Basin																																					
1APOH002.27	VAN-A15E_POH02A00	C	PL29																								0	S	5	IM								FTT: IM for PCBs (2008; CARP 1-2, CFBN, EELA, SFBG).
1APOH002.32	VAN-A15E_POH02A00	A,TE,CB,TR	PL29		96	NA		95	NA	7	96	S	3	52	S						0	S														
1APOH002.38	VAN-A15E_POH02A00	C2	PL29		2	NA		2	NA	0	2	S	0	1	W					IN		IN														
1APOH005.36	VAN-A16R_POH01A00	A,TR	PL29	0	33	S	0	33	S	0	32	S	9	34	IM						0	S															
1APOH008.54	VAN-A16R_POH01B14	FPM,B	PL29	0	2	S	0	2	S	0	2	S	0	1	W					IN	0	S									IM						
1APOH013.12	VAN-A16R_POH02A02	A	PL29	0	11	S	0	11	S	0	11	S	2	11	IM																						
1APOM000.60	VAN-A29E_POM01A04	A,CB,TR	PL60		86	NA		86	NA	0	86	S				0	24	S			0	S															
1APOM-000.97-VIMS	VAN-A29E_POM01B06	NONA	PL60		218	NA		218	NA	69	606	IM																									Continuous Monitoring Data - pH: 2007 (20/194, 10.3%), 2008 (31/208, 14.9%), 2009 (18/204, 8.8%)
1APOM001.04	VAN-A29E_POM01B06	C	PL60																								1	O	5	IM								FTM: OE for Hg (2008; BSLM). FTT: IM for PCBs (2008; CARP 1-3, CFBN, SDGZ).
1APOM001.96	VAN-A29E_POM02A02	C2	PL60		3	NA		3	NA	0	3	S				0	1	W				IN															
1APOM002.41	VAN-A29E_POM02A02	A,TE,CB,TR	PL60		83	NA		83	NA	0	83	S				3	39	S			0	S															
1APOM006.72	VAN-A29R_POM01A00	A,TM	PL60	0	8	S	0	8	S	0	8	S	2	8	IM																						
1APOM008.24	VAN-A29R_POM02A06	A	PL60	0	11	S	0	10	S	0	11	S	2	11	IM																						
1APOM012.24	VAN-A29R_POM03A06	A,TM	PL60	0	8	S	0	8	S	0	8	S	1	8	IN																						
1APOM013.02	VAN-A29L_POM01A02	L	PL59	0	218	S	0	39	S	0	201	S	0	14	S						0	S										0	2	S	0	2	S	Abel Lake: Nutrients - sampled 2009 and 2010, complete monitoring years, FS for chl a & TP (algaecide application). Ambient data also used to assess Abel Lake segment VAN-A29L_LOH01A02.
1APOM-SCPC1-ALL	VAN-A29R_POM03A06	CMON	PL60	0	30	S	0	25	S	0	30	IN																									Level II data: DO (0/5).
1APOM-SCPRUN-ALL	VAN-A29R_POM02A06	CMON	PL60	0	38	S	1	28	S	0	37	IN																									Level II data: DO (0/10).
1APOP000.73	VAP-A31E_POP01A98	A	PL67		12	NA		12		0	12	S				4	11	IM			0	S													11		No data since 2010 cycle
1APOP003.92	VAP-A31R_POP01A00	A,TM	PL67	0	24	S	2	24	S	10	24	IM	2	11	IM						0	S															
1APOP004.02	VAP-A31R_POP01A00	TM	PL67	0	14	S	0	14	S	3	12	IM																									No new data since 2012 cycle
1APOP-GEWA-PC1	VAP-A31E_POP01A98	NONA	PL67		16	NA		16																											8		
1APOP-GEWA-PC10	VAP-A31E_POP01A98	NONA	PL67		3	NA		3																											1		One sample event
1APOP-GEWA-PC11	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																											1		One sample event - no new data since 2012 cycle
1APOP-GEWA-PC12	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																											1		One sample event - no new data since 2012 cycle
1APOP-GEWA-PC13	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																											1		One sample event - no new data since 2012 cycle
1APOP-GEWA-PC14	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																											1		One sample event
1APOP-GEWA-PC15	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																											1		One sample event - no new data since 2012 cycle
1APOP-GEWA-PC16	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																											1		One sample event
1APOP-GEWA-PC17	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																											1		One sample event
1APOP-GEWA-PC18	VAP-A31E_POP01A98	NONA	PL67		3	NA		3																											1		One sample event
1APOP-GEWA-PC19	VAP-A31E_POP01A98	NONA	PL67		8	NA		8																											3		
1APOP-GEWA-PC2	VAP-A31E_POP01A98	NONA	PL67		22	NA		22																											8		
1APOP-GEWA-PC20	VAP-A31E_POP01A98	NONA	PL67		5	NA		5																											2		No new data since 2012 cycle
1APOP-GEWA-PC21	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																											1		One sample event
1APOP-GEWA-PC22	VAP-A31E_POP01A98	NONA	PL67		5	NA		5																											2		
1APOP-GEWA-PC23	VAP-A31E_POP01A98	NONA	PL67		3	NA		3																											1		No new data since 2012 cycle - one sample event
1APOP-GEWA-PC24	VAP-A31E_POP01A98	NONA	PL67		3	NA		3																											1		No new data since 2012 cycle - one sample event
1APOP-GEWA-PC25	VAP-A31E_POP01A98	NONA	PL67		3	NA		3																											1		One sample event
1APOP-GEWA-PC26	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																											1		One sample event
1APOP-GEWA-PC27	VAP-A31E_POP01A98	NONA	PL67		3	NA		3																											1		No new data since 2012 cycle - one sample event
1APOP-GEWA-PC28	VAP-A31E_POP01A98	NONA	PL67		5	NA		5																											2		No new data since 2012 cycle
1APOP-GEWA-PC29	VAP-A31E_POP01A98	NONA	PL67		5	NA		5																											2		
1APOP-GEWA-PC3	VAP-A31E_POP01A98	NONA	PL67		22	NA		22																											8		
1APOP-GEWA-PC30	VAP-A31E_POP01A98	NONA	PL67		3	NA		3																											1		One sample event - no new data since 2012 cycle
1APOP-GEWA-PC31	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																											1		One sample event
1APOP-GEWA-PC32	VAP-A31E_POP01A98	NONA	PL67		3	NA		3																											1		No new data since 2012 cycle - one sample event
1APOP-GEWA-PC33	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																											1		One sample event
1APOP-GEWA-PC34	VAP-A31E_POP01A98	NONA	PL67		3	NA		3																											1		No new data since 2012 cycle - one sample event
1APOP-GEWA-PC35	VAP-A31E_POP01A98	NONA	PL67		3	NA		3																											1		No new data since 2012 cycle - one sample event
1APOP-GEWA-PC36	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																											1		One sample event
1APOP-GEWA-PC37	VAP-A31E_POP01A98	NONA	PL67		5	NA		5																											2		

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Potomac River Basin																																					
1APOP-GEWA-PC38	VAP-A31E_POP01A98	NONA	PL67		3	NA		3																										1		One sample event
1APOP-GEWA-PC39	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																										1		One sample event
1APOP-GEWA-PC4	VAP-A31E_POP01A98	NONA	PL67		28	NA		28																										10		
1APOP-GEWA-PC40	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																										1		One sample event
1APOP-GEWA-PC41	VAP-A31E_POP01A98	NONA	PL67		3	NA		3																										1		One sample event
1APOP-GEWA-PC42	VAP-A31E_POP01A98	NONA	PL67		3	NA		3																										1		No new data since 2012 cycle - one sample event
1APOP-GEWA-PC43	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																										1		One sample event
1APOP-GEWA-PC44	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																										1		One sample event
1APOP-GEWA-PC5	VAP-A31E_POP01A98	NONA	PL67		20	NA		20																										7		
1APOP-GEWA-PC6	VAP-A31E_POP01A98	NONA	PL67		19	NA		19																										8		
1APOP-GEWA-PC7	VAP-A31E_POP01A98	NONA	PL67		21	NA		21																										8		
1APOP-GEWA-PC8	VAP-A31E_POP01A98	NONA	PL67		4	NA		4																										2		
1APOP-GEWA-PC9	VAP-A31E_POP01A98	NONA	PL67		4	NA		4																										2		
1APOP-GEWA-PCS1	VAP-A31E_POP01A98	NONA	PL67		3	NA		3																										1		No new data since 2012 cycle - one sample event
1APOP-GEWA-PCS2	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																										1		One sample event
1APOP-GEWA-PCS3	VAP-A31E_POP01A98	NONA	PL67		2	NA		2																										1		No new data since 2012 cycle - one sample event
1APOR000.40	VAN-A29R_POR01A06	A,TM	PL59	0	18	S	2	18	IM	0	18	S	16	18	IM																						
1APOT011.71	VAP-A34E_	PFWQ	PL73		2	NA		2	NA	0	2	S										NA														Potomac in Maryland; no data since 2010 cycle
1APOT013.96	VAP-A33E_	PFWQ	PL70		2	NA		2		0	2	S									0	IN												1		HAB response; no data since 2010 cycle
1APOT017.77	VAP-A33E_	PFWQ	PL70		2	NA		2		0	2	S				0	1	W			0	IN												2		HAB response; no data since 2010 cycle
1APOT027.85	VAP-A32E_	PFWQ	PL70		3	NA		3		0	3	S				2	3	IM			0	S												3		HAB response; no data since 2010 cycle
1APOT032.20	VAP-A32E_	PFWQ	PL69		8	NA		8		0	8	S				1	1	W			0	IN												1		HAB response; no data since 2010 cycle
1APOT033.16	VAP-A32E_	PFWQ	PL69		2	NA		2		0	2	S									1	IN/O												1		HAB response; no data since 2010 cycle
1APOT035.00	VAP-A32E_	PFWQ	PL67		9	NA		9		0	9	S				1	2	IN			0	IN												2		HAB response; no data since 2010 cycle - prev enterococci impairment
1APOT036.79	VAP-A31E_	PFWQ	PL67		6	NA		6		0	6	S				0	1	W			0	IN												1		HAB response
1APOT037.02	VAP-A31E_	PFWQ	PL67		3	NA		3		0	3	S				1	3	IN			0	S												3		HAB response; no data since 2010 cycle
1APOT037.52	VAP-A31E_	PFWQ	PL67		3	NA		3		0	3	S				0	1	W			0	IN												1		HAB response; no data since 2010 cycle
1APOT038.08	VAP-A31E_	PFWQ	PL67		7	NA		7		0	7	S																								HAB response; no data since 2010 cycle
1APOT039.19	VAP-A31E_	TM	PL67		21	NA		21		0	21	S				5	20	IM																		
1APOT040.80	VAP-A31E_MON03A98	PFWQ	PL67		2	NA		2		0	2	S				1	1	W			0	IN												1		Microcystis bloom station; no data since 2010 cycle
1APOT041.07	VAP-A31E_	PFWQ	PL67		1	NA		1		0	1	W																								HAB response; no data since 2010 cycle
1APOT041.55	VAP-A31E_	PFWQ	PL67		1	NA		1		0	1	W																								HAB response; no data since 2010 cycle
1APOT041.65	VAP-A31E_	PFWQ	PL67							0		W																								HAB response; no data since 2010 cycle
1APOT042.01	VAP-A31E_	PFWQ	PL67		15	NA		15		0	15	S				1	4	IN			0	S												4		No data since 2010 cycle
1APOT042.03	VAP-A31E_	PFWQ	PL67		2	NA		1		0	1	W																								HAB response; no data since 2010 cycle
1APOT042.72	VAP-A31E_	PFWQ	PL67		1	NA		1		0	1	W																								HAB response; no data since 2010 cycle
1APOT091.65	VAN-A25E_POT01A10	C2	PL50		4	NA		4	NA	0	4	S	0	1	W						0	S														
1APOT-11T-FBRA	VAN-A29E_POT01A06	CMON	PL61											4	NA																					Citizen Monitoring - Level II E. coli
1APOT-1T-FBRA	VAN-A29E_POT01A06	CMON	PL61											2	NA																					Citizen Monitoring - Level II E. coli
1APOT-2T-FBRA	VAN-A29E_POT01A06	CMON	PL61											14	NA																					Citizen Monitoring - Level II E. coli
1APOT-3A-FBRA	VAN-A29E_POT01A06	CMON	PL61											2	NA																					Citizen Monitoring - Level II E. coli
1APOT-5T-FBRA	VAN-A29E_POT01A06	CMON	PL61											5	NA																					Citizen Monitoring - Level II E. coli
1APOT-8T-FBRA	VAN-A29E_POT01A06	CMON	PL61											6	NA																					Citizen Monitoring - Level II E. coli
1APOT-DT-FBRA	VAN-A29E_POT01A06	CMON	PL61											5	NA																					Citizen Monitoring - Level II E. coli
1APOT-FA-FBRA	VAN-A29E_POT01A06	CMON	PL61											2	NA																					Citizen Monitoring - Level II E. coli
1APOT-RVT-FBRA	VAN-A29E_POT01A06	CMON	PL61											12	NA																					Citizen Monitoring - Level II E. coli
1APOT-SL3T-FBRA	VAN-A29E_POT01A06	CMON	PL61											3	NA																					Citizen Monitoring - Level II E. coli
1APOT-ST-FBRA	VAN-A29E_POT01A06	CMON	PL61											12	NA																					Citizen Monitoring - Level II E. coli
1APOT-TRT-FBRA	VAN-A29E_POT01A06	CMON	PL61											2	NA																					Citizen Monitoring - Level II E. coli
1APOT-TT-FBRA	VAN-A29E_POT01A06	CMON	PL61											8	NA																					Citizen Monitoring - Level II E. coli
1APOT-UR5T-FBRA	VAN-A29E_POT01A06	CMON	PL61											3	NA																					Citizen Monitoring - Level II E. coli
1APOT-UR6T-FBRA	VAN-A29E_POT01A06	CMON	PL61											2	NA																					Citizen Monitoring - Level II E. coli
1APOW001.11	VAN-A26E_POW02A02	C	PL51																									0	S	12	IM						FTT: IM for PCBs (2008; BSLM, CARP 1-6, CFBN, CFCH 1-2, CFWH, SDGZ).
1APOW003.11	VAN-A26R_POW01A00	A,TM	PL51	0	24	S	0	24	S	0	24	S	6	24	IM																						
1APOW006.11	VAN-A26R_POW01A00	A,TM	PL51	0	12	S	0	12	S	0	12	S	4	12	IM																						
1APOW009.99	VAN-A26R_POW02A02	A	PL51	0	12	S	0	12	S	0	12	S	4	11	IM																						
1APOW-PRB-DCR	VAN-A26E_POW01A02	NONA	PL54										0	3	S																						
1APRE001.58	VAP-A34E_PRE01A98	A	PL73		12	NA		12		0	12	S				2	12	IM																	5		no new data since 2012 cycle
1APUR001.20	VAN-A20R_PUR01A06	A	PL41	0	11	S	0	11	S	0	11	S	2	11	IM																						
1AQUA000.43	VAN-A26E_QUA01A10	A,TE,CB,TR	PL52		193	NA		193	NA	0	193	S	0	40	S						0	S														

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Potomac River Basin																																					
1AQUA001.00	VAN-A26E_QUA01B04	C	PL52																								0	S	7	IM								FTT: IM for PCBs (2008; BSLM, CARP 1-4, CFCH, SDGZ).
1AQUA004.46	VAN-A26R_QUA01A00	A,TR	PL52	0	33	S	0	32	S	0	33	S	5	33	IM							0	S															
1AQUA-D1-RMS	VAN-A26R_QUA01A00	CMON	PL52										0	5	IN																						
1AQUA-D2-RMS	VAN-A26R_QUA01A00	CMON	PL52										1	5	IN																						
1AQUA-D3-RMS	VAN-A26R_QUA01A00	CMON	PL52										2	4	IN/O																						
1AQUA-D4-RMS	VAN-A26R_QUA01A00	CMON	PL52										2	4	IN/O																						
1ARAB-POH9-SOS	VAN-A16R_RAB01A12	CMON	PL29																												HP							4 sampling events (4u).
1AROE000.38	VAN-A11R_ROE01A08	A,TM	PL22	0	7	S	0	7	S	0	7	S	0	7	S							0	S															
1AROS000.20	VAP-A31E_GLD01A00	PFWQ	PL65		1	NA		1		0	1	W																										HAB response; no data since 2010 cycle
1AROS000.27	VAP-A31E_ROS02A00	C2	PL65		3	NA		3		0	3	W				0	1	W	0	IN	0	IN	0	S	0	S												WOE - 2008: Category 3B; LM-M scenario 8 (possible chronic effects of sediment PAHs); 1 sample event; no data since 2010 cycle
1AROS001.05	VAP-A31E_ROS01A08	A	PL65		14	NA		13		0	14	S				3	12	IM			0	S														11		No data since 2010 cycle
1ASAD001.76	VAN-A24R_SAD01A04	A,TM	PL47	0	11	S	0	11	S	0	11	S	3	11	IM																							
1ASHA001.18	VAP-A33E_SHA01A98	C2	PL71		2	NA		2		0	2	W				0	1	W	0	IN	0	IN	0	S	0	S										1		1 sample event; WOE - Category 3B; HM-M scenario 5; no new data since 2012 cycle
1ASID-POH1-SOS	VAN-A16R_SID01A02	CMON	PL29																												HP							2 sampling events (2u).
1ASLE000.36	VAN-A18R_SLE01A08	A	PL40	0	10	S	0	9	S	0	10	S	2	10	IM							0	S															
1ASNA000.21	VAN-A11R_SNA01A02	A,B,TM	PL22	0	9	S	0	9	S	0	9	S	1	7	IN							0	S								IM							
1ASNA-DR16-SOS	VAN-A11R_SNA04A02	CMON	PL22																												HP							14 sampling events (1a/1g/12u).
1ASNA-DR19-SOS	VAN-A11R_SNA04A02	CMON	PL22																												HP							14 sampling events (14u).
1ASNA-DR29-SOS	VAN-A11R_SNA04A02	CMON	PL22																												HP							13 sampling events (13u).
1ASNA-DR30-SOS	VAN-A11R_SNA03A02	CMON	PL22																												HP							14 sampling events (14u).
1ASNA-DR3-SOS	VAN-A11R_SNA02A02	CMON	PL22																												HP							7 sampling events (1g/7u).
1ASNA-DR4-SOS	VAN-A11R_SNA01A02	CMON	PL22																												HP							2 sampling events (2u).
1ASOB001.80	VAN-A26R_SOB01A12	A,TM	PL53	0	11	S	0	10	S	0	11	S	1	11	S																							
1ASOC000.01	VAN-A02R_SOC01A00	A,B	PL02	0	8	S	0	8	S	0	8	S										IN									FS							
1ASOC001.66	VAN-A02R_SOC01A00	A,TM	PL02	0	24	S	0	24	S	0	24	S	7	24	IM							0	S															Colocated with citizen station 1aSOC-1.66-LWC
1ASOC005.46	VAN-A02R_SOC01A00	A,TM	PL02	0	17	S	0	17	S	0	17	S	5	17	IM							0	S															
1ASOC007.06	VAN-A02R_SOC02A02	A,B,TM	PL02	0	24	S	0	24	S	0	24	S	4	13	IM				0	S	0	S									FS							
1ASOC010.09	VAN-A02R_SOC03A04	A,B	PL02	0	11	S	0	11	S	0	11	S										IN									FS							
1ASOC011.70	VAN-A02R_SOC03A04	A,B	PL02	0	3	S	0	3	S	0	3	S																			FS							
1ASOC011.82	VAN-A02R_SOC03A04	A,TM	PL02	0	18	S	0	18	S	0	18	S	3	18	IM				0	S	0	S															Colocated with citizen station 1aSOC-11.30-LWC
1ASOC013.05	VAN-A02R_SOC04A04	A,B,TM	PL02	0	23	S	0	23	S	0	23	S	3	12	IM				0	S	0	S									FS							
1ASOC-1.66-LWC	VAN-A02R_SOC01A00	CMON	PL02										16	38	IN/O																						Colocated with DEQ station 1aSOC001.66
1ASOC-11.30-LWC	VAN-A02R_SOC03A04	CMON	PL02										14	35	IN/O																						Colocated with DEQ station 1aSOC011.70
1ASOC-14.10-LWC	VAN-A02R_SOC04A04	CMON	PL02										11	34	IN/O																						
1ASOC-16.12-LWC	VAN-A02R_SOC04A04	CMON	PL02										4	16	IN/O																						
1ASOC-1-SOS	VAN-A02R_SOC01A00	CMON	PL02																												LP							1 sampling event (1a).
1ASOC-2-SOS	VAN-A02R_SOC03A04	CMON	PL02																												MP							1 sampling event (1g).
1ASOC-7.06-LWC	VAN-A02R_SOC01A00	CMON	PL02										1	3	IN																						
1ASOC-SF5-SOS	VAN-A02R_SOC01A00	CMON	PL02																												LP							8 sampling events (4a/2g/2u).
1ASOH006.66	VAN-A16L_SOH01A06	L	PL29	0	150	S	4	65	S	1	138	S	0	14	S							0	S									0	2	S	0	2	S	Burke Lake: sampled 2009 and 2010, complete monitoring years, FS for chl a & TP (algaecide application)
1ASOH-POH11-SOS	VAN-A16R_SOH01A12	CMON	PL29																												MP							2 sampling events (1a/1u).
1ASOQ006.73	VAN-A26R_SOQ01B02	A,CB,TM	PL52	0	36	S	0	35	S	2	36	S	1	10	S							0	S															USGS sampling. Colocated with USGS station 01658500.
1ASOR000.59	VAN-A09R_SOR01A04	A,B,TM	PL17	0	9	S	0	9	S	0	9	S	2	5	IM							0	S								IM							
1ASOT001.44	VAN-A19R_SOT01A00	A	PL32	0	9	S	0	9	S	0	9	S	4	9	IM																						
1ASOU-3A-PWSWCD	VAN-A19R_SOU01A12	CMON	PL33										3	13	IN/O																						
1ASOV000.88	VAP-A33E_SOV01A02	C2	PL71		5	NA		5		0	5	W				0	1	W			0	IN	0	S	0	S										4		WOE - 2007: Category 3B; HM-M scenario 5; 1 sample event; no data since 2010 cycle
1ASPN000.08	VAP-A34E_SPN01A04	A	PL73		25			24		0	25	S				5	24	IM			0	S														18		No new data since 2012 cycle
1ASUG003.52	VAN-A10R_SUG01A00	A,B	PL21	0	2	S	0	2	S	0	2	S																			IM							
1ASUG004.42	VAN-A10R_SUG01A00	A,TR	PL21	0	35	S	0	35	S	0	35	S	7	35	IM							0	S															
1ASUG006.28	VAN-A10R_SUG02A02	A,B	PL21	0	4	S	0	4	S	0	4	S																			IM							
1ASUG-SLR1-SOS	VAN-A10R_SUG02A02	CMON	PL21																												HP							2 sampling events (2u).
1ASUG-SLR2-SOS	VAN-A10R_SUG02A02	CMON	PL21																												HP							9 sampling events (1g/8u).
1ASUG-SLR3-SOS	VAN-A10R_SUG01A00	CMON	PL21																												HP							1 sampling event (1u).
1ASUG-SLR5-SOS	VAN-A10R_SUG02A02	CMON	PL21																												HP							8 sampling events (8u).
1ASUG-SLR6-SOS	VAN-A10R_SUG02A02	CMON	PL21																												HP							5 sampling events (5u).
1ASYC002.03	VAN-A08R_SYC01B06	A,SS	PL15	0	13	S	0	13	S	0	13	S	4	12	IM																							
1ASYC-1-SOS	VAN-A08R_SYC01B06	CMON	PL15																												LP							3 sampling events (3a).
1ATAE002.50	VAP-A32R_TAE01A12	A,TM	PL68	0	24	S	0	24	S	3	24	IM	8	24	IM																							

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Potomac River Basin																																					
1ATAE003.85	VAP-A32R_TAE01A12	TM	PL68	0	12	S	0	12	S	3	12	IM	2	12	IM																						
1ATEM003.54	VAP-A32R_TEM01A14	TM	PL68	0	12	S	0	12	S	3	12	IM	3	12	IM																						
1ATHG-DR17-SOS	VAN-A11R_THG01A10	CMON	PL22																											HP							6 sampling events (6u).
1ATHP001.15	VAP-A32R_THP01A06	TM	PL70	0	12	S	2	12	IM	10	12	IM									0	S															prev. 1ATHPRT626
1ATON003.77	VAN-A18R_TON01A08	A	PL39	0	8	S	0	8	S	0	8	S	1	8	IN																						
1ATRI001.50	VAN-A13R_TRI01A00	A,B,TM	PL26	0	24	S	0	24	S	0	24	S	12	17	IM				0	S	0	S									IM							
1ATRI002.25	VAN-A13R_TRI01A00	A,TM	PL26	0	2	S	0	2	S	0	2	S	1	2	IN						0	S																
1ATRI002.75	VAN-A13R_TRI01A00	A,TM	PL26	0	2	S	0	2	S	0	2	S	1	2	IN						0	S																
1ATRI003.66	VAN-A13R_TRI01A00	A,TM	PL26	0	2	S	0	2	S	0	2	S	1	2	IN						0	S																Colocated with citizen station 1aTRI-3-GMHS
1ATRI-1-GMHS	VAN-A13R_TRI01A00	CMON	PL26										0	19	IN																						
1ATRI-2-GMHS	VAN-A13R_TRI01A00	CMON	PL26										1	19	IN																						
1ATRI-3-GMHS	VAN-A13R_TRI01A00	CMON	PL26										1	18	IN																						Colocated with DEQ station 1aTRI003.66
1ATUK003.37	VAN-A17R_TUK01A06	A	PL36	0	11	S	0	11	S	0	11	S	2	11	IM																						
1ATUS000.37	VAN-A08R_TUS01A00	A	PL16	0	12	S	0	12	S	0	12	S	0	12	S						0	S																
1ATUS003.19	VAN-A08R_TUS01B06	A,B	PL16	0	2	S	0	2	S	0	2	S																			IM							
1ATUS-LWC2-SOS	VAN-A08R_TUS01B06	CMON	PL16																											HP							1 sampling event (1u).
1ATUY000.26	VAN-A11R_TUY01A06	A,B	PL23	0	2	S	0	2	S	0	2	S																			IM							
1ATUY-P1-SOS	VAN-A11R_TUY01A06	CMON	PL23																											HP							2 sampling events (2u).
1ATUY-P2-SOS	VAN-A11R_TUY01A06	CMON	PL23																											MP							2 sampling events (1a/1u).
1ATUY-P3-SOS	VAN-A11R_TUY01A06	CMON	PL23																											HP							2 sampling events (2u).
1AUMC-001.78-VIMS	VAN-A30E_UMC04B06	NONA	PL64		131	NA		131	NA	0	131	S																								
1AUMC003.09	VAN-A30E_UMC05A02	C2	PL64		3	NA		3	NA							0	1	W		IN																
1AUMC004.43	VAN-A30E_UMC05A02	A,TR	PL64		36	NA		35	NA	0	36	S				1	24	S			0	S														
1AUMC009.61	VAN-A30R_UMC01A00	A	PL64	0	11	S	1	10	S	1	11	S	1	12	S																						
1AWAL000.79	VAN-A17R_WAL01A06	A	PL38	0	7	S	0	7	S	0	7	S	2	7	IM						0	S																
1AWHP001.92	VAP-A33R_WHP01A14	TM	PL71	0	12	S	1	12	S	0	12	S	1	11	S																						
1AWLB000.06	VAN-A25R_WLB01A02	A,TM	PL48	0	11	S	0	11	S	0	11	S	2	11	IM					IN																		
1AWLL001.30	VAN-A30E_WLL01B10	A	PL64		11	NA		11	NA	0	11	S				3	11	IM			0	S															
1AWLL002.21	VAN-A30E_WLL02A02	A	PL64		6	NA		6	NA	0	6	S				4	6	IM																			
1AWOL001.26	VAN-A24R_WOL01A06	A,B,TM,TR	PL47	0	37	S	0	35	S	0	37	S	5	33	IM						0	S									FS							
1AWOL-WR-SOS	VAN-A24R_WOL02A12	CMON	PL47																											HP							3 sampling events (1g/2u).
1AWOT000.92	VAN-A11R_WOT01A02	A,TM	PL22	0	7	S	0	7	S	0	7	S	0	7	S						0	S																
1AWOT-DR12-SOS	VAN-A11R_WOT02A14	CMON	PL22																											HP							5 sampling events (1g/4u).
1AXKT000.30	VAN-A01R_XKT01A04	A,B	PL01	0	2	S	0	2	S	0	2	S																			FS							
1AXKT-15-SOS	VAN-A01R_XKT01A04	CMON	PL01																											HP							1 sampling event (1u).
1AXKV-SC227-ALL	VAN-A28R_XKV01A06	CMON	PL57	0	37	S	0	25	S	0	36	IN																									Level II data: DO (0/12).
1AXKZ-SCVILLARS-ALL	VAN-A29R_XKZ01A06	CMON	PL58	0	9	S	0	9	S	0	9	IN																									
1AXLE001.62	VAN-A09R_XLE01A10	A	PL20	0	12	S	0	12	S	0	12	S	6	12	IM						0	S																
1AXLF000.13	VAN-A26R_XLF01A10	A	PL54	0	23	S	0	22	S	5	23	IM	6	23	IM						0	S																Colocated with citizen station 1aXLF-SCMEADOW_ALL.
1AXLF-SCMEADOW-ALL	VAN-A26R_XLF01A10	CMON	PL54	0	18	S	1	15	S	0	18	IN																									Colocated with DEQ station 1aXLF000.13.
1AXLG000.07	VAN-A29R_XLG01A10	A	PL62	0	1	W	0	1	W	1	1	W	0	1	W							IN															
1AXLK000.04	VAP-A32R_XLK01A10	FPM,B	PL68	0	2	S	0	2	S	2	2	IM	0	1	W				0	IN	0	IN	0	S							FS							2008 Probmon; no data since 2010 cycle
1AXLL000.92	VAP-A34R_XLL01A10	TM	PL72	0	12	S	2	12	IM	0	12	S	1	12	S																						No new data since 2012 cycle
1AXLM000.67	VAP-A34R_XLM01A10	TM	PL72	0	12	S	0	12	S	0	12	S	0	12	S																						No new data since 2012 cycle
1AXLN-SCVDOT-ALL	VAN-A27R_XLN01A10	CMON	PL56	0	16	S	4	16	IM	0	15	IN																									
1AXLO-LWC20-SOS	VAN-A08R_XLO01A10	CMON	PL14																											HP							4 sampling events (1g/3u).
1AXLO-LWC21-SOS	VAN-A08R_XLO01A10	CMON	PL14																											LP							4 sampling events (3a/1g).
1AXLP-SLR4-SOS	VAN-A10R_XLP01A10	CMON	PL21																											HP							16 sampling events (16u).
1AXLQ000.73	VAP-A31R_MRC01A98	TM	PL67	0	14	S	4	14	IM	13	14	IM																									
1AXLR000.44	VAN-A18R_XLR01A12	FPM,B	PL39	0	2	S	0	2	S	0	2	S	0	1	W					IN	0	S									FS							
1AXLU000.73	VAP-A31R_POP01A00	TM	PL67	0	12	S	0	12	S	4	12	IM																									
1AXLW000.75	VAN-A04R_XLW01A14	A	PL06	0	10	S	0	10	S	0	10	S	2	10	IM																						
1AXLX000.08	VAP-A31R_ZZZ01B14	SS	PL66	0	1	W	1	1	W	0	1	W	0	1	W																						Lake - sampled at citizen/hospital request - IR station
1AXLZ002.04	VAP-A33R_XLZ01A14	TM	PL71	0	12	S	1	12	S	2	12	IM	1	11	S																						
1AXMA000.12	VAP-A33R_XMA01A14	TM	PL71	0	12	S	0	12	S	1	12	S	3	12	IM																						
1AXMB000.88	VAP-A33R_XMB01A14	TM	PL71	0	12	S	2	12	IM	2	12	IM	1	12	S																						
1AXMC000.92	VAP-A33R_XMC01A14	TM	PL71	0	12	S	0	12	S	1	12	S	3	12	IM																						
1AXMG-BRMB1-SOS	VAN-A09R_XMG01A12	CMON	PL17																											MP							6 sampling events (3g/3u).
1AXMH-4-PWSWCD	VAN-A19R_XMH01A12	CMON	PL33										2	7	IN/O																						
1AXMI-14-SOS	VAN-A05R_XMI01A12	CMON	PL09	0	29	S	0	8	IN	0	8	S	2	30	IN																MP							2 sampling events (1a/1u).
1AXMJ000.42	VAN-A18R_XMJ01A14	FPM,B	PL40	0	2	S	0	2	S	0	2	S	0	1	W					IN	0	S									FS							
1AXMQ-TH7-RMS	VAN-A26R_XMQ01A14	CMON	PL52										0	2	IN																						
1AXMR-6A-FBRA	VAN-A29R_XMR01A14	CMON	PL61										1	2	IN																						

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Potomac River Basin																																					
1AYEO000.25	VAP-A33E_YEO01A02	C2	PL71		5	NA		5		0	5	W				0	1	W	0	IN	0	IN	0	S	0	S									1		WOE - 2008: Category 3B; HM-M scenario 8 (probably chronic effects from sediment PAHs); 1 sample event; no data since 2010 cycle
1AYOU001.50	VAN-A21R_YOU01A02	A	PL44	0	12	S	0	12	S	0	12	S	3	12	IM																						
1AYOU001.70	VAN-A21R_YOU01A02	A,B	PL44	0	2	S	0	2	S	0	2	S																			FS						
1AYOU-BRM-SOS	VAN-A21R_YOU01A02	CMON	PL44																												MP						12 sampling events (3a/2g/4u).
COA000.63	VAP-A34E_COA02A02	NONA	PL73		52	NA		52		0	52	S																									VIMS - no new data since 2012 cycle
COA004.28	VAP-A34E_COA01A98	NONA	PL72		194	NA		194		9	193	S																									VIMS; high pH - no new data since 2012 cycle
Cubitt Creek Site 1	VAP-A34E_CUT01A98	CMON	PL73		7	NA								7	NA																						Level II - no new data since 2012 cycle
Cubitt Creek Site 10	VAP-A34E_CUT01A98	CMON	PL73		7	NA								7	NA																						Level II - no new data since 2012 cycle
Cubitt Creek Site 2	VAP-A34E_CUT01A98	CMON	PL73		7	NA								7	NA																						Level II - no new data since 2012 cycle
Cubitt Creek Site 3	VAP-A34E_CUT01A98	CMON	PL73		7	NA								7	NA																						Level II - no new data since 2012 cycle
Cubitt Creek Site 4	VAP-A34E_CUT01A98	CMON	PL73		7	NA								7	NA																						Level II - no new data since 2012 cycle
Cubitt Creek Site 5	VAP-A34E_CUT01A98	CMON	PL73		7	NA								7	NA																						Level II - no new data since 2012 cycle
Cubitt Creek Site 6	VAP-A34E_CUT01A98	CMON	PL73		7	NA								7	NA																						Level II - no new data since 2012 cycle
Cubitt Creek Site 7	VAP-A34E_CUT01A98	CMON	PL73		7	NA								7	NA																						Level II - no new data since 2012 cycle
Cubitt Creek Site 8	VAP-A34E_CUT01A98	CMON	PL73		7	NA								7	NA																						Level II - no new data since 2012 cycle
Cubitt Creek Site 9	VAP-A34E_CUT01A98	CMON	PL73		7	NA								7	NA																						Level II - no new data since 2012 cycle
LOW003.42	VAP-A32E_LOW02B12	NONA	PL70		213	NA		213		0	213	S																									VIMS - no new data since 2012 cycle
MAO001.05	VAP-A31E_MAO02A00	NONA	PL66		176	NA		176		0	176	S									0	IN															VIMS - no new data since 2012 cycle
MON000.18	VAP-A31E_MON03A98	NONA	PL67		563			563		1	611	S																										VIMS ConMon - no new data since 2012 cycle
NHUT01	VAN-A13E_HUT01A02	A,TM	PL28		2	NA		2	NA	0	2	S	0	2	S																						
NHUT02	VAN-A14E_POT01A08	A,TM	PL28		2	NA		2	NA	0	2	S	0	2	S																						
NOM000.81	VAP-A32E_NOM04A00	NONA	PL74		111	NA		111		4	111	S																										VIMS - no new data since 2012 cycle
NOM002.36	VAP-A32E_NOM02A00	NONA	PL69		344	NA		344		24	601	S																										VIMS ConMon
NOM004.69	VAP-A32E_NOM02A00	NONA	PL68		203	NA		203		0	203	S																										VIMS - no new data since 2012 cycle
POT022.86	VAP-A32E_LOW02A00	NONA	PL74		105	NA		105		2	105	S																										VIMS; high pH - no new data since 2012 cycle
ROS001.10	VAP-A31E_ROS01A08	NONA	PL65		141	NA		141		0	141	S																										VIMS - no new data since 2012 cycle
VA351214	VAN-A29E_POT01A06	VDHB	PL61													16	21	IM																				monthly geometric mean samples
WES000.18	VAP-A33E_WES02A06	NONA	PL71		450	NA		450		51	580	S																										VIMS ConMon; high pH
YEO000.45	VAP-A33E_YEO01A02	NONA	PL71		88	NA		88		5	88	S																										VIMS; high pH - no new data since 2012 cycle

* For lake/reservoir NUTRIENTS (i.e. Total Phosphorus or Chlorophyll a), “Exceed” refers to the number of exceedences per monitoring year (April-October) and “Samples” represent the number of monitoring years. A minimum of two monitoring years are required to make a supporting (S) or impaired (IM) assessment determination. Less than two full monitoring years result in an insufficient (IN) determination. Also, nutrients are only assessed in lakes listed in Section 187 of the WQS if there is documented algaecide use.

NOTE: Values in VAHU6 refer to the 6th order watershed in version 4 of Virginia’s portion of the National Watershed Boundary Dataset.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Rappahannock River Basin																																					
3GRT-GR1-JMSWCD	VAN-E02R_GRT04A04	CMON	RA07										11	40	IN/O																						
3GRT-GR2-JMSWCD	VAN-E02R_GRT04A04	CMON	RA07										17	40	IN/O																						
3GRT-GR3-JMSWCD	VAN-E02R_GRT04A04	CMON	RA07										13	40	IN/O																						
3GRT-GR7-JMSWCD	VAN-E02R_GRT04A04	CMON	RA07										16	40	IN/O																						
3GRT-GR8-JMSWCD	VAN-E02R_GRT01A00	CMON	RA07										4	40	IN																						
3GRT-GR9-JMSWCD	VAN-E02R_GRT01A00	CMON	RA07										4	39	IN																						
3-HAE001.00	VAN-E18R_HAE01A12	A	RA44	0	12	S	0	11	S	0	11	S	2	12	IM																						
3-HAL001.44	VAN-E20R_HAL01A00	A,TM	RA46	0	11	S	0	11	S	0	11	S	4	11	IM							0	S														
3-HAL002.72	VAN-E20R_HAL01A00	FPM,B	RA46	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S									IM						
3HAL-08-NPS	VAN-E20R_HAL01A00	NONA	RA46	0	33	S	0	33	S	0	33	S																									
3HAL-1-ALL	VAN-E20R_HAL01A00	CMON	RA46	0	117	S	0	111	S	0	22	S	4	11	IM																						Level II data: pH (0/95), E. coli (2/8).
3HAL-6-ALL	VAN-E20R_HAL01A00	CMON	RA46	0	14	S	0	9	S	0	14	IN	10	11	IM																						Level II data: E. coli (4/7).
3-HAZ005.98	VAN-E07R_HAZ01A04	A,B,TR	RA16	0	38	S	0	38	S	1	38	S	10	34	IM																	FS						
3-HAZ018.29	VAN-E04R_HAZ01A00	A,TR	RA10	0	34	S	0	34	S	0	34	S	5	34	IM																						
3-HAZ039.26	VAN-E04R_HAZ03A02	A	RA09	0	12	S	0	12	S	0	12	S	0	12	S																						
3-PEE004.46	VAP-E22R_PEE01A08	A,TR,TM	RA54	0	50	S	23	48	IM	4	50	S	6	36	IM																						acceptable E. coli violation rate 2008+ so continue monitoring
3-PEE004.96	VAP-E22R_PEE01A08	TM	RA54	0	12	S	7	12	IM	3	12	IM	1	12	S																						
3-PEE006.57	VAP-E22R_PEE01A08	TM	RA54	0	12	S	0	12	S	3	12	IM	0	12	S																						
3-PIS004.79	VAP-E23E_PIS02A00	TM	RA61		1	NA		1		0	1	W																									
3-PIS008.15	VAP-E23R_PIS01A98	A,B	RA61	0	2	S	0	2	S	0	2	S																				IN					2012 benthics
3-PIS009.24	VAP-E23R_PIS01A98	A,CB,TR	RA61	0	24	S	0	24	S	3	24	IM	5	12	IM																						
3-PIY000.01	VAN-E05R_PIY01A04	A,B	RA11	0	9	S	0	9	S	0	9	S																				FS						
3-POH000.48	VAN-E03R_POH01A02	A	RA08	0	12	S	0	12	S	0	12	S	12	12	IM																						
3POH-M14-SOS	VAN-E03R_POH01A02	CMON	RA08																													LP						1 sampling event (1a).
3-POL000.10	VAN-E13R_POL01A04	A	RA30	0	10	S	0	10	S	0	10	S	3	10	IM																						
3-POT001.06	VAN-E17R_POT01A14	A	RA39	0	8	S	1	8	IN	0	8	S	4	8	IM																						
3-RAP003.76	VAN-E18R_RAP02A02	A,B	RA44	0	4	S	0	3	S	0	3	S																				FS						
3-RAP006.53	VAN-E18R_RAP01A02	A,B,TR	RA44	0	33	S	0	32	S	0	32	S	5	32	IM							0	IN									FS						
3-RAP030.21	VAN-E16R_RAP01A04	A,CB,FPM	RA37	1	127	S	0	124	S	1	126	S	0	1	W				0	IN	0	S									FS						USGS Samples
3-RAP037.90	VAN-E16R_RAP03A08	A	RA37	0	12	S	0	12	S	0	12	S	1	12	S						0	S															
3-RAP043.00	VAN-E13R_RAP01A00	A,B	RA30	0	2	S	0	2	S	0	2	S																			FS						
3-RAP045.08	VAN-E13R_RAP01A00	A,TR	RA30	0	32	S	0	32	S	0	32	S	8	32	IM																						
3-RAP066.54	VAN-E12R_RAP01A00	A,B,CB	RA26	0	76	S	0	76	S	0	76	S	2	71	S						0	S									FS						
3-RAP077.28	VAN-E11R_RAP01A00	A,B,TR	RA24	0	35	S	0	34	S	0	34	S	3	32	S						0	IN									FS						
3-RAP082.43	VAN-E11R_RAP02A00	A,B	RA24	1	10	S	0	10	S	0	10	S																			FS						
3RAP-1-SOS	VAN-E12R_RAP01A00	CMON	RA26																												LP						1 sampling event (1a).
3RAP-C14-SOS	VAN-E18R_RAP03A02	CMON	RA44																												MP						1 sampling event (1g).
3RAP-M16-SOS	VAN-E13R_RAP01A00	CMON	RA30																												LP						1 sampling event (1a).
3-RIC003.85	VAP-E24R_RIC01A12	TM	RA66	0	12	S	4	12	IM	8	12	IM	1	12	S																						No new data since 2012 cycle
3-RIC005.00	VAP-E24R_RIC01A12	TM	RA66	0	12	S	0	12	S	3	12	IM	4	12	IM																						No new data since 2012 cycle
3-RIC006.43	VAP-E24R_RIC01A12	TM	RA66	0	12	S	4	12	IM	11	12	IM	5	12	IM																						No new data since 2012 cycle
3-RIP000.22	VAN-E12R_RIP01A04	A,B	RA26	0	14	S	0	13	S	0	13	S	3	11	IM																	IM						
3-RNF002.04	VAP-E24R_RIC01A12	TM	RA66	0	12	S	1	12	S	2	12	IM	3	12	IM																						No new data since 2012 cycle
3-ROB001.90	VAN-E15R_ROB01A00	A,CB	RA36	0	71	S	0	69	S	0	69	S	16	71	IM							0	S														
3-ROB003.59	VAN-E15R_ROB01A00	A,B	RA36	0	7	S	0	7	S	0	7	S																				FS						
3-ROB004.98	VAN-E15R_ROB01A00	FPM,B	RA36	0	4	S	0	4	S	0	4	S	0	1	W				0	IN	0	S	0	IN								FS						
3-ROB017.24	VAN-E14R_ROB01A06	A,B,TR	RA32	0	35	S	0	35	S	0	35	S	3	32	S																		FS						
3-ROB023.06	VAN-E14R_ROB01C00	A,B	RA32	0	8	S	0	8	S	0	8	S									0	S									FS						
3-ROB024.06	VAN-E14R_ROB01C00	A,TM	RA32	4	10	IM	0	10	S	0	10	S	1	10	S																						
3-ROB030.76	VAN-E14R_ROB02A02	A,B	RA31	0	2	S	0	2	S	0	2	S																				FS						
3-ROE000.75	VAN-E14R_ROE01A02	A,B	RA31	0	8	S	0	8	S	0	8	S									0	S									FS						
3-ROE002.83	VAN-E14R_ROE02A06	A	RA31	0	12	S	0	12	S	0	12	S	0	12	S						0	S															
3-ROE004.07	VAN-E14R_ROE02A06	A,B	RA31	0	6	S	0	6	S	0	6	S																				FS						
3-RPP004.51	VAP-E25E_RPP02A02	C2	RA74		5	NA		5		0	5	W				0	1	W	0	IN	0	IN	0	S	0	S									1		One sample event; 2011 WOE category 3B HM-M scenario 8
3-RPP005.00	VAP-E25E_RPP02A02	C2	RA74		6	NA		6		0	6	W				0	2	W	0	IN	0	IN	0	S	0	S									2		1 sample event; 2010 water organics (HH only); no new data since 2012 cycle; 2010 WOE category 2A PH-S scenario 2
3RUS-14-RFLOW	VAN-E05R_RUS02A02	CMON	RA12	0	2	IN							0	2	IN																						
3RUS-20-RFLOW	VAN-E05R_RUS02A02	CMON	RA12	0	2	IN							0	2	IN																						
3RUS-6-RFLOW	VAN-E05R_RUS02A02	CMON	RA12	0	2	IN							1	2	IN																						
3RUS-7-RFLOW	VAN-E05R_RUS02A02	CMON	RA12	0	2	IN							0	2	IN																						
3RUS-8-RFLOW	VAN-E05R_RUS02A02	CMON	RA12	0	2	IN							0	2	IN																						
3-SMO001.58	VAP-E22R_SMO01A14	TM	RA54	0	12	S	3	12	IM	7	12	IM	1	12	S																						
3-SMR002.60	VAN-E10R_SMR01A04	A	RA22	0	11	S	0	11	S	0	10	S	2	11	IM							0	S														

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Rappahannock River Basin																																					
3-SMR004.81	VAN-E10R_SMR02A06	A,B	RA22	0	2	S	0	2	S	0	2	S																		IM							
3-SMS000.77	VAP-E23R_SMS01A14	TM	RA58	0	12	S	2	12	IM	6	12	IM	1	12	S																						
3-SOT001.00	VAN-E12R_SOT01A04	A,B	RA26	0	2	S	0	2	S	0	2	S																		FS							
3SOT-G4-SOS	VAN-E12R_SOT01A04	CMON	RA26																											LP							1 sampling event (1a).
3-STE000.77	VAP-E26E_STE02A08	A	RA74		11	NA		11		0	11	S				1	11	S																	11		
3-STL001.54	VAP-E22R_STL01A14	TM	RA53	0	13	S	1	13	S	4	13	IM	0	12	S																						
3-STL003.35	VAP-E22R_STL01A14	TM	RA53	0	13	S	4	13	IM	12	13	IM	3	12	IM																						
3-SUM002.40	VAN-E17R_SUM01A04	A	RA39	0	10	S	0	10	S	0	9	S	7	10	IM																						
3-SUT002.62	VAN-E02R_SUT01A04	A	RA06	0	10	S	0	10	S	0	10	S	2	10	IM																						
3-SYN000.42	VAP-E23R_CAT03A04	TM	RA57	0	12	S	0	12	S	0	12	S	3	12	IM																						Class VII water
3-TBS001.08	VAP-E23R_TBS01A06	TM	RA57	0	12	S	0	12	S	0	12	S	2	12	IM																						Class VII water
3-RPP010.60	VAP-E25E_RPP02A02	CB,TR	RA73		720	NA		690		0	721	S				0	66	S			0	S												66		Trend Station
3-RPP017.72	VAP-E25E_RPP02A02	CB,TR	RA69		814	NA		785		0	814	S				0	65	S			0	S												64		Trend Station
3-RPP023.39	VAP-E25E_RPP02A02	PFWQ	RA68		1	NA		1		0	1	W				0	1	W			0	IN														IR station
3-RPP025.52	VAP-E25E_RPP02A02	CB,TR	RA68		401	NA		369		0	401	S				0	65	S			0	S												65		Trend Station
3-RPP031.57	VAP-E24E_RPP03A00	CB,TR	RA66		301	NA		287		0	301	S				0	66	S			0	S												66		Trend Station; now saltwater
3-RPP042.12	VAP-E23E_RPP02A98	CB,TR	RA62		349	NA		332		0	349	S				3	66	S			0	S												67		Trend Station; saltwater
3-RPP044.06	VAP-E22E_RPP05A02	SS	RA62		1	NA		1		0	1	W																								
3-RPP046.26	VAP-E22E_RPP05A02	TM	RA56		12	NA		12		0	12	S				4	12	IM																		
3-RPP051.01	VAP-E22E_RPP03A02	CB,TR	RA56		424	NA		403		0	424	S				3	55	S			0	S												65		Trend Station; transitional
3-RPP056.20	VAP-E22E_RPP02A02	TM	RA56		12	NA		12		0	12	S				2	12	IM																		
3-RPP060.59	VAP-E22E_RPP01A02	TM	RA54		25	NA		25		0	25	S	1	24	S																						
3-RPP064.40	VAP-E22E_RPP01A02	CB,TR	RA54		303	NA		303		3	303	S	3	64	S						0	S														Trend Station
3-RPP064.58	VAP-E22E_RPP01A02	SS	RA54		1	NA		1		0	1	W																								
3-RPP069.15	VAP-E22E_RPP01A02	TM	RA54		37	NA		37		1	37	S	1	25	S																						
3-RPP077.96	VAN-E21E_RPP01A02	A,CB	RA51		6	NA		6	NA	0	6	S																								
3-RPP080.19	VAN-E21E_RPP03A02	A,CB,TR	RA51		476	NA		476	NA	0	476	S	4	68	S						0	S														
3RPP-080.19-VIMS	VAN-E21E_RPP03A02	NONA	RA51		111	NA		111	NA	0	111	S																								
3-RPP082.80	VAN-E21E_RPP03A02	A,CB	RA51		4	NA		4	NA	0	4	S																								
3-RPP083.88	VAN-E21E_RPP03A02	A,CB	RA51		3	NA		3	NA	0	3	S																								
3RPP-084.32-VIMS	VAN-E21E_RPP03A02	NONA	RA51		417	NA		417	NA	0	708	S																								Continuous Monitoring Data - pH: 2007 (0/245, 0%), 2008 (0/246, 6.8%), 2009 (0/217, 0%)
3-RPP088.22	VAN-E21E_RPP04A02	A,CB	RA49		3	NA		3	NA	0	3	S																								
3-RPP091.55	VAN-E21E_RPP04A02	A,CB,TR	RA49		227	NA		227	NA	0	227	S	4	68	S						0	S														
3-RPP095.56	VAN-E21E_RPP04A02	A,CB	RA49		3	NA		3	NA	0	3	S																								
3-RPP096.60	VAN-E21E_RPP05A02	C2	RA49		8	NA		8	NA	0	8	S	0	1	W				0	S																
3RPP-098.80-VIMS	VAN-E21E_RPP05A02	NONA	RA48		75	NA		75	NA	0	75	S																								
3-RPP098.81	VAN-E21E_RPP05A02	A,CB,TR	RA48		217	NA		217	NA	0	217	S	10	68	IM						0	S														
3-RPP104.47	VAN-E20E_RPP02A02	A,TM	RA46		34	NA		34	NA	0	34	S	3	17	IM						0	S														
3-RPP106.01	VAN-E20E_RPP02A02	A,CB,TR	RA46		226	NA		226	NA	0	226	S	11	53	IM						0	S														
3-RPP107.91	VAN-E20E_RPP03A02	A,TM	RA46		28	NA		28	NA	0	28	S	2	17	IM						0	S														
3RPP-108.39-VIMS	VAN-E20E_RPP03A02	NONA	RA46		121	NA		121	NA	0	121	S																								
3RPP-10-ALL	VAN-E21E_RPP04A02	CMON	RA49		11	NA		10	NA	0	11	IN																								
3-RPP110.57	VAN-E20E_RPP03A02	A,TR	RA46		35	NA		35	NA	3	35	S	6	35	IM						0	S														
3-RPP113.37	VAN-E19R_RPP01A02	A,CB	RA45	0	125	S	0	120	S	1	121	S									0	S														Data collected by USGS (station TF3.0)
3-RPP142.36	VAN-E08R_RPP01A02	A	RA18	0	6	S	0	5	S	0	5	S							0	S																
3-RPP147.49	VAN-E08R_RPP02A02	A,CB	RA18	0	75	S	0	73	S	0	73	S	11	70	IM						0	S														USGS Sampling
3-RPP148.18	VAN-E08R_RPP02A02	FPM,B	RA18	0	4	S	0	4	S	0	4	S	0	2	S				0	S	0	S	0	S							FS						
3-RPP150.32	VAN-E02R_RPP01A02	A,B	RA07	0	21	S	0	20	S	0	21	S	1	12	S						0	IN									FS						
3RPP-15R23-ODU	VAN-E21E_RPP03A02	NONA	RA51					1	NA																											BIBI Score = 4
3RPP-15R24-ODU	VAN-E21E_RPP04A02	NONA	RA49					2	NA																											BIBI Score = 1.5, 4.5
3RPP-15R25-ODU	VAN-E21E_RPP04A02	NONA	RA49					1	NA																											BIBI Score = 4
3RPP-15R26-ODU	VAN-E21E_RPP01A02	NONA	RA52		1	NA		1	NA																											BIBI Score = 1.5
3-RPP163.49	VAN-E02R_RPP04A14	A,B	RA05	0	2	S	0	2	S	0	2	S																		FS						
3-RPP175.51	VAN-E01R_RPP02A00	A,TR	RA03	0	33	S	0	33	S	0	33	S	9	33	IM																						
3RPP-2-ALL	VAN-E20R_RPP01A10	CMON	RA46	1	91	S	0	59	S	2	21	S																								Level II data: DO (0/23), pH (0/70).
3RPP-4-ALL	VAN-E21E_RPP03A02	CMON	RA51		19	NA		14	NA	0	13	S																								Level II data: DO (0/5), pH (0/6).
3RPP-6-ALL	VAN-E19R_RPP02A02	CMON	RA45	0	75	S	0	72	S	0	71	IN	0	1	W																						
3RPP-8-ALL	VAN-E20E_RPP02A02	CMON	RA46		11	NA		12	NA	0	12	IN																								
3-RUL000.39	VAN-E18R_RUL01A14	A	RA42	0	11	S	0	11	S	0	10	S	1	11	S																						
3-RUN000.13	VAP-E23R_CAT03A04	TM,B	RA57	0	14	S	0	14	S	0	14	S	5	12	IM																IM						Class VII water; 2011 benthics
3-RUS003.23	VAN-E05R_RUS01B08	A,B	RA12	0	18	S	0	18	S	0	18	S	4	12	IM						0	IN									FS						
3-RUS005.24	VAN-E05R_RUS02A02	A,CR	RA12	0	11	S	0	11	S	0	10	S	3	11	IM						0	S														
3-RUS005.66	VAN-E05R_RUS02A02	A,B	RA12	0	6	S	0	6	S	0	6	S									0	IN									FS						
3-RUS006.49	VAN-E05R_RUS02A02	B	RA12	0	1	W	0	1	W	0	1	W									0	IN									FS						

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Rappahannock River Basin																																					
3-RUS007.41	VAN-E05R_RUS02A02	A,B,CR	RA12	0	17	S	0	17	S	0	16	S	1	11	S						0	S									FS							
3RUS-10-RFLOW	VAN-E05R_RUS02A02	CMON	RA12	0	2	IN							1	2	IN																						
3RUS-12-RFLOW	VAN-E05R_RUS01B08	CMON	RA12	0	2	IN							0	2	IN																						
01663500	VAN-E07R_HAZ02A00	USGS	RA16	0	8	S																															
01665500	VAN-E12R_RAP01A00	USGS	RA26	0	9	S																															
01666500	VAN-E15R_ROB01A00	USGS	RA36	0	10	S																															
01667500	VAN-E16R_RAP01A04	USGS	RA37	0	12	S																															
01669000	VAP-E23R_PIS01A98	USGS	RA61	0	11	S															0	S															collocated with 3-PIS009.24 - no data since 2010 cycle
14R02	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 1.33; RPPMHa
14R03	VAP-E25E_RPP02A02	CB-B	RA73		1	NA		1																													B-IBI = 2.0; RPPMHa
14R04	VAP-E25E_RPP02A02	CB-B	RA73		1	NA		1																													B-IBI = 3.0; RPPMHa
14R05	VAP-E26E_CRR02A08	CB-B	RA73		1	NA		1																													B-IBI = 1.0; RPPMHa
14R06	VAP-E26E_CRR01A00	CB-B	RA72		1	NA		1																													B-IBI = 1.33; CRRMHa
14R08	VAP-E26E_CRR01A00	CB-B	RA72		1	NA		1																													B-IBI = 1.0; CRRMHa
14R09	VAP-E26E_CTO01A02	CB-B	RA70		1	NA		1																													B-IBI = 1.4; CRRMHa
14R10	VAP-E25E_RPP02A02	CB-B	RA69		1	NA		1																													B-IBI = 1.67; RPPMHa
14R11	VAP-E25E_RPP02A02	CB-B	RA69		1	NA		1																													B-IBI = 2.33; RPPMHa
14R12	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 1.67; RPPMHa
14R13	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 1.67; RPPMHa
14R14	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 2.33; RPPMHa
14R15	VAP-E25E_RPP01A02	CB-B	RA66		1	NA		1																													B-IBI = 3.33; RPPMHa
14R16	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 2.33; RPPMHa
14R17	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 2.33; RPPMHa
14R18	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 1.67; RPPMHa
14R19	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 2.33; RPPMHa
14R20	VAP-E22E_RPP05A02	CB-B	RA62		1	NA		1																													B-IBI = 2.2; RPPMHa
14R21	VAP-E23E_CAT01A02	CB-B	RA58		1	NA		1																													B-IBI = 2.0; RPPMHo UA
14R22	VAP-E22E_RPP03A02	CB-B	RA56		1	NA		1																													B-IBI = 1.0; RPPOHa
14R24	VAP-E22E_RPP02A02	CB-B	RA54					1																													B-IBI = 2.0; RPPOHa
14R25	VAP-E22E_RPP02A02	CB-B	RA54					1																													B-IBI = 3.33; RPPOHa
14R26	VAP-E22E_RPP05A02	CB-B	RA56		1	NA		1																													B-IBI = 2.2; RPPMHa
14R27	VAP-E26E_MYE03A08	CB-B	RA72		1	NA		1																													B-IBI = 2.0; CRRMHa
14R28	VAP-E25E_RPP02A02	CB-B	RA69		1	NA		1																													B-IBI = 2.67; RPPMHa
15M16	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 4.33: RPPMHa
15R01	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 4.33: RPPMHa
15R02	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 3.33; RPPMHa
15R03	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 2.0; RPPMHa
15R04	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 2.67; RPPMHa
15R05	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 3.0; RPPMHa
15R06	VAP-E26E_CTR04A02	CB-B	RA73		1	NA		1																													B-IBI = 2.67; RPPMHb
15R07	VAP-E26E_CRR01A00	CB-B	RA73		1	NA		1																													B-IBI = 2.33; CRRMHa
15R08	VAP-E26E_ZZZ02C14	CB-B	RA72		1	NA		1																													B-IBI = 3.0; CRRMHa
15R09	VAP-E26E_CTO02A06	CB-B	RA70		1	NA		1																													B-IBI = 1.67; CRRMHa
15R10	VAP-E25E_RPP02A02	CB-B	RA73		1	NA		1																													B-IBI = 3.33; RPPMHa
15R12	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 1.67; RPPMHa
15R13	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 1.0; RPPMHa
15R14	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 2.33; RPPMHa
15R15	VAP-E25E_RPP01A02	CB-B	RA66		1	NA		1																													B-IBI = 2.67; RPPMHa
15R16	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 1.67; RPPMHa
15R17	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 1.8; RPPMHa
15R18	VAP-E23E_RPP02C12	CB-B	RA62		1	NA		1																													B-IBI = 1.8; RPPMHa
15R19	VAP-E23E_RPP02C12	CB-B	RA62		1	NA		1																													B-IBI = 1.8; RPPMHa
15R20	VAP-E23E_LIE01A98	CB-B	RA62		1	NA		1																													B-IBI = 1.0; RPPMHa
15R21	VAP-E23E_LIE01A98	CB-B	RA62		1	NA		1																													B-IBI = 1.4; RPPMHa
15R26	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 2.6; RPPMHa
15R27	VAP-E22E_RPP03A02	CB-B	RA56		1	NA		1																													B-IBI = 1.0; RPPOHa
15R28	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 2.0; RPPMHa
16R01	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 3; RPPMHa
16R02	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 3.67; RPPMHa
16R03	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 2.67; RPPMHa
16R04	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 3.33; RPPMHa
16R05	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 2.33; RPPMHa
16R06	VAP-E26E_MLL02A06	CB-B	RA74		1	NA		1																													B-IBI = 2.67; RPPMHa
16R07	VAP-E25E_RPP02A02	CB-B	RA73		1	NA		1																													B-IBI = 2.33; RPPMHa
16R08	VAP-E25E_RPP02A02	CB-B	RA73		1	NA		1																													B-IBI = 1.67; RPPMHa

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Rappahannock River Basin																																					
16R09	VAP-E26E_CRR01A00	CB-B	RA73		1	NA		1																													B-IBI = 2.33; CRRMHa
16R10	VAP-E26E_WHR01A00	CB-B	RA72		1	NA		1																													B-IBI = 1.67; CRRMHa
16R11	VAP-E25E_URB01A00	CB-B	RA69		1	NA		1																													B-IBI = 3.33; RPPMHc
16R12	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 2.33; RPPMHa
16R13	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 2.33; RPPMHa
16R14	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 2; RPPMHa
16R15	VAP-E24E_TOT02A00	CB-B	RA64		1	NA		1																													B-IBI = 1.8; RPPMHm
16R16	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 1.8; RPPMHa
16R17	VAP-E23E_RPP02A98	CB-B	RA62		1	NA		1																													B-IBI = 1.8; RPPMHa
16R18	VAP-E23E_RPP02A98	CB-B	RA62		1	NA		1																													B-IBI = 2.2; RPPMHa
16R19	VAP-E22E_RPP05A02	CB-B	RA62		1	NA		1																													B-IBI = 1.4; RPPMHa
16R20	VAP-E22E_RPP05A02	CB-B	RA56		1	NA		1																													B-IBI = 1.8; RPPMHa
16R21	VAP-E22E_RPP03A02	CB-B	RA56		1	NA		1																													B-IBI = 2.2; RPPOHa
16R22	VAP-E22E_RPP02A02	CB-B	RA56		1	NA		1																													B-IBI = 2.67; RPPOHa
16R23	VAP-E22E_RPP01A02	CB-B	RA54		1	NA		1																													B-IBI = 3.0; RPPTFa
17M11	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 4.5; RPPMHa
17R01	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 4.5; RPPMHa
17R02	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 3; RPPMHa
17R03	VAP-E25E_RPP02A02	CB-B	RA73		1	NA		1																													B-IBI = 3.5; RPPMHa
17R04	VAP-E25E_RPP02A02	CB-B	RA73		1	NA		1																													B-IBI = 2; RPPMHa
17R05	VAP-E25E_RPP02A02	CB-B	RA73		1	NA		1																													B-IBI = 3; RPPMHa
17R07	VAP-E25E_RPP02A02	CB-B	RA69		1	NA		1																													B-IBI = 1; RPPMHa
17R08	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 2.5; RPPMHa
17R09	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 3.5; RPPMHa
17R10	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 2; RPPMHa
17R11	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 1.5; RPPMHa
17R13	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 1.5; RPPMHa
17R14	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 1; RPPMHa
17R15	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 2; RPPMHa
17R16	VAP-E25E_RPP01A02	CB-B	RA66		1	NA		1																													B-IBI = 2.5; RPPMHa
17R17	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 1.5; RPPMHa
17R18	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 1; RPPMHa
17R19	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 2.5; RPPMHa
17R20	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 2; RPPMHa
17R21	VAP-E23E_RPP02B10	CB-B	RA62		1	NA		1																													B-IBI = 3; RPPMHa
17R22	VAP-E22E_RPP05A02	CB-B	RA62		1	NA		1																													B-IBI = 1.67; RPPMHa
17R23	VAP-E22E_RPP04A02	CB-B	RA56		1	NA		1																													B-IBI = 1; RPPOHa
17R24	VAP-E22E_RPP02A02	CB-B	RA56		1	NA		1																													B-IBI = 1.67; RPPOHa
17R25	VAP-E22E_RPP02A02	CB-B	RA56		1	NA		1																													B-IBI = 1; RPPOHa
17R26	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 1; RPPMHa
17R27	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 5; RPPMHa
18R02	VAP-E25E_RPP02A02	CB-B	RA74					1																													B-IBI = 1.0; RPPMHa
18R03	VAP-E25E_RPP02A02	CB-B	RA74					1																													B-IBI = 3.0; RPPMHa
18R05	VAP-E25E_RPP02A02	CB-B	RA74					1																													B-IBI = 2.33; RPPMHa
18R06	VAP-E26E_MLL02A06	CB-B	RA74					1																													B-IBI = 1.33; RPPMHa
18R07	VAP-E26E_MLL02A06	CB-B	RA74					1																													B-IBI = 2.33; RPPMHa
18R08	VAP-E25E_RPP02A02	CB-B	RA74					1																													B-IBI = 1.67; RPPMHa
18R09	VAP-E25E_RPP02A02	CB-B	RA73					1																													B-IBI = 1.0; RPPMHa
18R10	VAP-E26E_CRR01A00	CB-B	RA72					1																													B-IBI = 2.0; CRRMHa
18R12	VAP-E25E_RPP02A02	CB-B	RA68					1																													B-IBI = 2.2; RPPMHa
18R13	VAP-E25E_RPP02A02	CB-B	RA68					1																													B-IBI = 2.67; RPPMHa
18R14	VAP-E25E_RPP01A02	CB-B	RA66					1																													B-IBI = 3; RPPMHa
18R15	VAP-E25E_RPP01A02	CB-B	RA66					1																													B-IBI = 1; RPPMHa
18R16	VAP-E25E_RPP01A02	CB-B	RA66					1																													B-IBI = 2.2; RPPMHa
18R17	VAP-E24E_RPP03A00	CB-B	RA66					1																													B-IBI = 2.33; RPPMHa
18R18	VAP-E24E_RPP03A00	CB-B	RA66					1																													B-IBI = 2.67; RPPMHa
18R19	VAP-E24E_RPP03A00	CB-B	RA66					1																													B-IBI = 2.6; RPPMHa
18R20	VAP-E24E_RPP03A00	CB-B	RA66					1																													B-IBI = 2.0; RPPMHa
18R21	VAP-E23E_RPP02A98	CB-B	RA62					1																													B-IBI = 2.6; RPPMHa
18R22	VAP-E22E_RPP03A02	CB-B	RA56					1																													B-IBI = 2.0; RPPOHa
18R23	VAP-E22E_RPP01A02	CB-B	RA54					1																													B-IBI = 4.33; RPPTFa
18R24	VAP-E22E_RPP01A02	CB-B	RA54					1																													B-IBI = 3.0; RPPTFa
18R25	VAP-E22E_RPP01A02	CB-B	RA54					1																													B-IBI = 3.0; RPPTFa
18R27	VAP-E25E_RPP02A02	CB-B	RA68					1																													B-IBI = 1.67; RPPMHa
18R28	VAP-E25E_RPP02A02	CB-B	RA69					1																													B-IBI = 3.0; RPPMHa

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Rappahannock River Basin																																					
18R29	VAP-E24E_RPP03A00	CB-B	RA66					1																													B-IBI = 2.33; RPPMHa
19R01	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 1.33; RPPMHa
19R02	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 2.33; RPPMHa
19R03	VAP-E25E_RPP02A02	CB-B	RA74		1	NA		1																													B-IBI = 2.33; RPPMHa
19R04	VAP-E25E_RPP02A02	CB-B	RA73		1	NA		1																													B-IBI = 2.33; RPPMHa
19R05	VAP-E25E_RPP02A02	CB-B	RA73		1	NA		1																													B-IBI = 1; RPPMHa
19R06	VAP-E26E_CRR01A00	CB-B	RA72		1	NA		1																													B-IBI = 1.67; CRRMHa
19R07	VAP-E26E_CRR01A00	CB-B	RA72		1	NA		1																													B-IBI = 2; CRRMHa
19R08	VAP-E26E_CRR01A00	CB-B	RA72		1	NA		1																													B-IBI = 1.67; CRRMHa
19R09	VAP-E26E_ZZZ02C14	CB-B	RA72		1	NA		1																													B-IBI = 3.33; CRRMHa
19R10	VAP-E25E_RPP02A02	CB-B	RA69		1	NA		1																													B-IBI = 3; RPPMHa
19R11	VAP-E25E_URB02A00	CB-B	RA69		1	NA		1																													B-IBI = 2.67; RPPMHc
19R12	VAP-E26E_ZZZ01D14	CB-B	RA69		1	NA		1																													B-IBI = 3; RPPMHd
19R13	VAP-E25E_RPP02A02	CB-B	RA69		1	NA		1																													B-IBI = 3.33; RPPMHa
19R14	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 3.67; RPPMHa
19R15	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 1.67; RPPMHa
19R16	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 1.67; RPPMHa
19R17	VAP-E25E_RPP02A02	CB-B	RA68		1	NA		1																													B-IBI = 3; RPPMHa
19R19	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 2.67; RPPMHa
19R20	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 3.67; RPPMHa
19R21	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 2.6; RPPMHa
19R22	VAP-E24E_RPP03A00	CB-B	RA66		1	NA		1																													B-IBI = 1.8; RPPMHa
19R23	VAP-E22E_RPP05A02	CB-B	RA56		1	NA		1																													B-IBI = 1; RPPMHa
19R24	VAP-E22E_RPP03A02	CB-B	RA56		1	NA		1																													B-IBI = 1.4; RPPOHa
19R25	VAP-E22E_RPP01A02	CB-B	RA54		1	NA		1																													B-IBI = 2; RPPTFa
3-ALC002.74	VAN-E10R_ALC01A00	A	RA23	0	12	S	0	11	S	0	11	S	3	12	IM																						
3-BAY000.96	VAP-E22R_BAY02A14	TM	RA53	0	13	S	1	13	S	0	13	S	0	12	S																						
3-BAY002.62	VAP-E22R_BAY01A08	TM	RA53	0	13	S	1	13	S	2	13	IM	3	12	IM							0	S														
3-BAY004.39	VAP-E22R_BAY01A08	TM	RA53	0	12	S	0	12	S	2	12	IM	3	11	IM																						
3-BAY006.66	VAP-E22R_BAY01A08	TM	RA53	0	13	S	0	13	S	11	13	IM	1	12	S																						
3-BFL002.90	VAN-E13R_BFL02A12	A,B	RA29	0	16	S	0	15	S	1	15	S	5	12	IM																		IM				
3-BIG001.15	VAN-E05R_BIG01A08	A,TM	RA12	0	11	S	0	11	S	0	11	S	4	11	IM																						
3BIG-1-RFLOW	VAN-E05R_BIG01A08	CMON	RA12	0	2	IN							1	2	IN																						
3-BLA002.31	VAP-E23R_BLA01A06	TM	RA57	0	12	S	2	12	IM	0	12	S	2	12	IM																						Class VII
3-BLC001.08	VAN-E04R_BLC01A10	A,B	RA10	0	13	S	0	13	S	0	12	S	4	12	IM							0	S									FS					
3-BLD000.58	VAP-E26E_BLD01A98	TM	RA70		12	NA		12		0	12	S				8	12	IM																		No new data since 2012 cycle
3-BLD001.54	VAP-E26R_BLD01A08	A,B,TM	RA70	0	29	S	0	29	S	0	29	S	9	27	IM																	FS					2011 benthics
3-BLU000.80	VAN-E13R_BLU01A00	A	RA28	0	12	S	0	12	S	0	12	S	2	12	IM							0	S														
3-BMS000.37	VAP-E24R_BMS01A98	TM	RA64	0	12	S	2	12	IM	0	12	S	3	12	IM																						No new data since 2012 cycle
3-BMS002.00	VAP-E24R_BMS01A98	TM,B	RA64	0	14	S	0	14	S	0	14	S	2	12	IM																	FS					2010 benthics; no new data since 2012 cycle
3-BMS004.42	VAP-E24R_BMS01A98	TM	RA64	0	12	S	3	12	IM	1	12	S	5	12	IM																						No new data since 2012 cycle
3-BON000.23	VAP-E26E_CTM01A00	A	RA71		13	NA		13		0	13	S				0	12	S				0	S												11		No data since 2010 cycle
3-BON001.65	VAP-E26R_BON01A08	A	RA71	0	25	S	5	25	IM	0	25	S	5	24	IM							0	S														
3-BOS000.72	VAN-E08R_BOS01A02	A,TM	RA17	0	11	S	0	11	S	0	11	S	5	11	IM																						
3BOS-BR1-JMSWCD	VAN-E08R_BOS01A02	CMON	RA17										10	23	IN/O																						
3BOS-BR2-JMSWCD	VAN-E08R_BOS02A12	CMON	RA17										7	23	IN/O																						
3-BRA000.85	VAP-E24R_BRA01A08	TM	RA63	0	12	S	0	12	S	2	12	IM	1	12	S																						No new data since 2012 cycle
3-BRD000.31	VAP-E26E_BRD01A00	A	RA74		22	NA		22		0	22	S				2	21	S				0	S												21		No new data since 2012 cycle
3-BRD000.62	VAP-E26E_BRD01A00	A,TR	RA74		36	NA		36		0	36	S				2	34	S																	35		
3-BRK002.64	VAN-E17R_BRK01A04	FPM,B	RA39	0	2	S	0	2	S	0	2	S	1	1	W				0	IN	0	S	0	IN							IM						
3-BRL000.15	VAP-E23R_CAT03A04	TM	RA57	0	12	S	0	12	S	0	12	S	4	12	IM																						Class VII water
3-BTL000.94	VAN-E06R_BTL01A02	A,B	RA13	0	16	S	0	15	S	0	15	S	3	12	IM							0	S									FS					
3-BUC001.54	VAN-E01R_BUC01A10	A,B	RA01	0	2	S	0	2	S	0	2	S																				FS					
3-BUC003.26	VAN-E01R_BUC01A10	FPM,B	RA01	0	4	S	0	4	S	0	4	S	0	2	S				0	S	0	S	0	S							J						Biological monitoring indicated an impacted benthic community; however, due to private property concerns and access problems at this location, follow-up monitoring will occur at a nearby site with access. An observed effect is noted. 3-BUC001.54 was sampled in 2012 and was fully supporting. Better habitat was available.
3BWN-B1-JMSWCD	VAN-E08R_BWN01A02	CMON	RA17										7	21	IN/O																						
3-CAE000.25	VAN-E02R_CAE01A00	A,TM,CR	RA06	0	33	S	0	33	S	0	32	S	6	33	IM							0	S														
3-CAE006.32	VAN-E02R_CAE02A04	A,TM,CR	RA06	0	28	S	0	28	S	0	27	S	9	28	IM							0	S														
3-CAE012.67	VAN-E02R_CAE02C14	FPM,B	RA06	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S									FS					
3CAE-F1-JMSWCD	VAN-E02R_CAE01A00	CMON	RA06	0	56	S	0	58	IN	0	56	IN	5	58	IN																						
3CAE-F1-SOS	VAN-E02R_CAE01A00	CMON	RA06																												LP					4 sampling events (4a).

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Rappahannock River Basin																																					
3-CAT000.46	VAP-E23E_CAT01A02	TM	RA58		12	NA		12		0	12	S				3	12	IM																			
3-CAT006.35	VAP-E23E_CAT01A02	C2	RA58		1	NA		1		0	1	W				0	1	W			0	IN	0	S	0	S											WOE - 2007: Category 3B; OH-M scenario 5; 1 sample event; no data since 2010 cycle
3-CAT006.58	VAP-E23E_CAT01A02	A,TM	RA58		25	NA		24		0	25	S				9	23	IM			0	S															
3-CAT011.62	VAP-E23R_CAT01A98	A,CB,B,TR,SS	RA57	0	51	S	1	51	S	0	51	S	6	35	IM						0	S									FS							Class VII water; 2009 benthics
3-CAT015.44	VAP-E23R_CAT02A02	A	RA57	0	12	S	0	12	S	0	12	S	4	12	IM																							Class VII water
3-CEB001.92	VAP-E26E_CEB01A00	A	RA73		12	NA		12		0	12	S				1	12	S																	12			No new data since 2012 cycle
3-CED003.52	VAN-E16R_CED02A04	A	RA38	0	10	S	0	10	S	0	10	S	7	10	IM																							
3CED-C2-SOS	VAN-E16R_CED01A00	CMON	RA38																												HP							1 sampling event (1u).
3-CLB000.50	VAN-E20R_CLB01A00	A,TM	RA46	0	12	S	0	12	S	0	12	S	5	12	IM						0	S																
3-CLK000.27	VAP-E23R_CLK01A14	TM	RA58	0	13	S	0	12	S	0	13	S	3	12	IM																							
3-CMR000.50	VAP-E23R_CAT03A04	TM	RA57	0	24	S	0	24	S	0	24	S	3	12	IM																							Class VII water
3-CON002.26	VAN-E11R_CON01A04	A,B	RA25	0	15	S	0	15	S	0	15	S	1	12	S						0	S									IM							
3-COO000.04	VAN-E15R_COO01A04	A	RA35	0	12	S	0	11	S	0	11	S	5	12	IM																							
3-COO005.87	VAN-E15R_COO01A04	A,B	RA35	0	2	S	0	2	S	0	2	S																			FS							
3COO-C1-SOS	VAN-E15R_COO01A04	CMON	RA35																												MP							2 sampling events (1a/1u).
3-COV001.95	VAN-E05R_COV01A02	A,B	RA12	0	14	S	0	14	S	0	14	S	0	12	S																FS							
3COV-R9-SOS	VAN-E05R_COV01A02	CMON	RA12																												LP							2 sampling events (2a).
3-CRA000.46	VAN-E08R_CRA01A02	A,TM	RA17	0	10	S	1	10	S	0	10	S	3	10	IM																							
3CRA-C1-JMSWCD	VAN-E08R_CRA01A02	CMON	RA17										4	23	IN/O																							
3-CRC000.15	VAP-E23E_CRC01A08	TM	RA60		4	NA		4		1	4	IN				1	4	IN																			tidal except free flowing near low tide; no data since 2010 cycle; prev. enterococci impairment
3-CRR000.40	VAP-E26E_CRR01A00	C2	RA73		2	NA		2		0	2	S				0	2	W	0	IN	0	IN	0	S	0	S								1			1 sample event for bacteria and NH3; WOE - 2009 category 3B, HM-S scenario 5; no new data since 2012 cycle
3-CRR001.61	VAP-E26E_CRR01A00	C2	RA72		9	NA		9		0	9	W				0	1	W	0	IN	0	IN	0	S	0	S								1			One sample event; 2011 WOE category 3B LM-M scenario 5
3-CRR003.04	VAP-E26E_CRR01A00	C2	RA72		8	NA		8		0	8	W				0	1	W			0	IN	0	S	0	S								1			One sample event; 2012 WOE category 3B PH-M scenario 8 (possible chronic effects from metals in sed - low DO)
3-CRR003.38	VAP-E26E_CRR01A00	CB,TR	RA72		356	NA		334		0	355	S				0	66	S			0	S												67			Trend Station
3-CTM000.88	VAP-E26E_CTM03A08	C2	RA71		6	NA		6		0	6	W				0	1	W			0	IN	0	S	0	S								1			One sample event; 2012 WOE category 3B HM-M scenario 8 (high probability of chronic effects from metals & PAHs in sed)
3-CTO007.51	VAP-E26E_CTO01A02	A	RA70		12	NA		12		0	12	S				7	12	IM																11			No new data since 2012 cycle
3-CTO010.61	VAP-E26R_CTO01A04	A	RA70	0	12	S	0	12	S	0	12	S	0	12	S																							
3-CTR000.76	VAP-E26E_CTR02A00	A	RA73		13	NA		13		0	13	S				1	12	S			0	S												12			Previously called 3-CTR001.06; no data since 2010 cycle
3-DAK001.18	VAN-E15R_DAK01A10	A	RA34	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																
3DEP-06-NPS	VAN-E20R_DEP03A12	NONA	RA46	0	29	S	2	29	S	18	29	IM																										
3-DPR001.70	VAN-E10R_DPR01A00	A,TR	RA23	0	30	S	2	29	S	0	29	S	16	30	IM																							
3-DPR003.56	VAN-E10R_DPR01A00	A,B	RA23	0	2	S	0	2	S	0	2	S																			FS							
3-DPR008.98	VAN-E10R_DPR03A02	A,TM,CR	RA23	0	28	S	0	27	S	0	26	S	4	28	IM						0	IN																
3DPR-F15-JMSWCD	VAN-E10R_DPR01A00	CMON	RA23	0	56	S	0	55	IN	0	55	IN	39	98	IN/O																							
3DPR-F15-SOS	VAN-E10R_DPR01A00	CMON	RA23																												LP							5 sampling events (5a).
3-DRK001.35	VAP-E24R_TOT02B12	TM	RA64	0	12	S	0	12	S	1	12	S	4	12	IM																							No new data since 2012 cycle
3-DUN000.08	VAP-E26E_CEB01A00	C2	RA73		2	NA		2		0	2	W				0	2	W	0	IN	0	IN	0	S	0	S											WOE: 2009; Category 3B; HM-M scenario 5; no new data since 2012 cycle; one sample event
3-ELM001.08	VAP-E22E_ELM01A10	C2	RA53		1	NA		1		0	1	W	0	1	W						0	IN	0	S	0	S											WOE - 2007: Category 3B; OH-M scenario 5; 1 sample event; no data since 2010 cycle
3-ELM002.23	VAP-E22R_ELM01A06	TM	RA53	0	13	S	2	13	IM	4	13	IM	2	12	IM						0	S																
3-ELM002.92	VAP-E22R_ELM01A06	TM	RA53	0	26	S	0	26	S	5	26	IM	5	13	IM																							
3-ELM004.27	VAP-E22R_ELM01A06	TM	RA53	0	26	S	6	26	IM	4	26	IM	1	13	S																							
3-ENT000.65	VAN-E12R_ENT01A10	A,B	RA26	0	5	S	0	5	S	0	5	S																			FS							
3-ENT000.99	VAN-E12R_ENT01A10	B	RA26	0	1	W	0	1	W	0	1	W																			FS							
3ENT-ENTRY01-PATC	VAN-E12R_ENT01A10	CMON	RA26	0	4	IN				0	3	IN																			LP							4 sampling events (4vg).
3-FAL000.13	VAN-E20R_FAL01A04	A,B	RA46	0	2	S	0	2	S	0	2	S																			IM							
3-FAM002.62	VAP-E25E_FAM01A98	A	RA65		13	NA		12		1	13	S				7	12	IM																12			saltwater; no data since 2010 cycle
3-FAR002.88	VAP-E22R_FAR01A04	TM	RA55	0	11	S	2	11	IM	6	11	IM									0	S																No new data since 2012 cycle
3-FAR004.38	VAP-E22R_FAR01A04	TM	RA55	0	11	S	0	11	S	4	11	IM																										No new data since 2012 cycle
3-FIR002.35	VAN-E01R_FIR01A04	A,B	RA01	0	13	S	0	12	S	0	13	S	3	11	IM						0	S									FS							
3FIR-F4-JMSWCD	VAN-E01R_FIR01A04	CMON	RA01	0	56	S	2	57	IN	0	57	IN	10	57	IN/O																							
3FIR-F4-SOS	VAN-E01R_FIR01A04	CMON	RA01																												LP							5 sampling events (5a).
3-FLA001.93	VAN-E09R_FLA01A08	A	RA21	0	11	S	0	11	S	0	11	S	6	11	IM																							
3FLT-5-ALL	VAN-E18R_FLT01A10	CMON	RA42	0	7	S	0	6	S	0	7	IN																										
3-GAR000.95	VAN-E11R_GAR01A02	A	RA24	0	11	S	0	11	S	0	10	S	6	11	IM																							
3-GAR003.56	VAN-E11R_GAR02A06	A,B	RA24	0	6	S	0	6	S	0	6	S																			FS							
3-GEE001.44	VAP-E25E_GEE01A98	TM	RA68		6	NA		6		1	6	IN				4	5	IM																			tidal; no new data since 2012 cycle
3-GIN002.64	VAN-E21R_GIN01A08	A,B,TM	RA51	0	12	S	0	12	S	2	12	IM	2	10	IM																IM							

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Rappahannock River Basin																																					
3-GLC002.03	VAN-E02R_GLC02A12	A	RA05	0	11	S	0	11	S	0	11	S	7	11	IM																						
3-GLL001.98	VAN-E21R_GLL01A08	A,TM	RA51	0	10	S	1	10	S	8	10	IM	1	10	S																						
3-GRA002.01	VAN-E15R_GRA01A04	A,B	RA36	0	17	S	0	17	S	0	16	S	9	11	IM																J						Biological monitoring assesses the benthic community as fully supporting with observed effects due to drought conditions one season and a tropical storm the following season, follow-up monitoring will occur.
3GRA-M5-SOS	VAN-E15R_GRA01A04	CMON	RA36																												MP						2 sampling events (1a/1u).
3-GRT001.70	VAN-E02R_GRT01A00	A,B,TM,CR	RA07	0	38	S	0	38	S	0	37	S	8	34	IM								0	S							IM						
3-GRT007.72	VAN-E02R_GRT04A04	A,CR,TM	RA07	0	16	S	0	16	S	0	16	S	8	16	IM								0	S													
3-GRT008.62	VAN-E02R_GRT04A04	B	RA07																												IN						SOS validation study - assessment unclear, resampling will be rescheduled
3GRT-F10-JMSWCD	VAN-E02R_GRT04A04	CMON	RA07	0	54	S	0	57	IN	0	57	IN	34	99	IN/O																						
3GRT-F10-SOS	VAN-E02R_GRT04A04	CMON	RA07																												LP						5 sampling events (5a).
RPP029.64	VAP-E22E_RPP05A02	NONA	RA62		157	NA		157		0	157	S																									VIMS - no new data since 2012 cycle
RPP031.57	VAP-E24E_RPP03A00	NONA	RA66		104	NA		104		0	104	S																									VIMS - no new data since 2012 cycle
RPP033.29	VAP-E24E_RPP03A00	NONA	RA66		385	NA		385		30	580	S																									VIMS ConMon
RPP037.79	VAP-E24E_RPP03A00	NONA	RA66		144	NA		144		0	144	S																									VIMS - no new data since 2012 cycle
RPP042.12	VAP-E23E_RPP02A98	NONA	RA62		104	NA		104		0	104	S																									VIMS - no new data since 2012 cycle
RPP051.01	VAP-E22E_RPP03A02	NONA	RA56		140	NA		140		0	140	S																									VIMS - no new data since 2012 cycle
RPP057.00	VAP-E22E_RPP02A02	NONA	RA54		310	NA		310		3	676	S																									VIMS
RPP064.40	VAP-E22E_RPP01A02	NONA	RA54		62	NA		62		0	62	S																									VIMS - no new data since 2012 cycle
TF3.3	VAP-E22E_RPP03A02	NONA	RA56		1	NA		2																													ODU
TF3.3	VAP-E22E_RPP03A02	NONA	RA56		116	NA		112																									22			43		VECOS
3-HAZ042.43	VAN-E04R_HAZ03A02	A,B	RA09	0	11	S	0	11	S	0	11	S											0	IN							FS						
3-HIT003.43	VAN-E01R_HIT01A14	A,B	RA02	0	2	S	0	2	S	0	2	S																			FS						
3-HLS000.60	VAP-E26E_HLS01A00	C2	RA71		2	NA		2		0	2	W							0	IN	0	IN	0	S	0	S									1		WOE - 2008: Category 3B; HM-S scenario 5; 1 sample event; secchi disk on bottom; no data since 2010 cycle
3-HNT000.92	VAN-E18L_HNT01A08	L	RA44	0	214	S	0	49	S	18	214	S	0	14	S								0	S											1	IN	Hunting Run Reservoir: Sampled 2007 (incomplete monitoring year), 2012 - complete monitoring year: FS for chl a (& TP)
3-HOK000.15	VAP-E23E_HOK01A98	TM	RA60		4	NA		4		0	4	S				2	4	IM																			No data since 2010 cycle
3-HOK000.74	VAP-E23E_HOK01A98	A,TM	RA60		16	NA		16		0	16	S				9	15	IM			0	S															saltwater; no data since 2010 cycle
3-HOK002.74	VAP-E23E_HOK01A98	TM	RA60		4	NA		4		0	4	S				1	4	IN																			No data since 2010 cycle - prev enterococci impairment
3-HOK003.61	VAP-E23E_HOK02A08	TM	RA60		4	NA		4		3	4	IM				2	4	IM																			no data since 2010 cycle
3-HOK007.25	VAP-E23R_HOK01A04	TM	RA60	0	16	S	4	16	IM	7	16	IM	0	4	S																							No E. coli data since 2010 cycle
3-HOK011.45	VAP-E23R_HOK01A04	A,TM	RA60	0	16	S	0	16	S	11	16	IM	3	12	IM																							
3-HOK013.94	VAP-E23R_HOK01A04	TM	RA60	0	4	S	0	4	S	4	4	IM																									No data since 2010 cycle
3-HOK014.48	VAP-E23R_HOK01A04	TM	RA60	0	4	S	0	4	S	4	4	IM																									No data since 2010 cycle
3-HOR000.50	VAN-E19R_HOR01A04	A	RA45	0	12	S	0	12	S	0	12	S	4	12	IM																						
3-HUE000.20	VAN-E03R_HUE01A00	A,B,TR	RA08	0	42	S	0	42	S	0	42	S	6	34	IM																FS						
3HUE-R2-SOS	VAN-E03R_HUE01A00	CMON	RA08																												LP						2 sampling events (2a).
3-HUH000.87	VAN-E21R_HUH01A02	A,B	RA49	0	2	S	0	2	S	0	2	S																				FS						
3-HUH001.19	VAN-E21R_HUH01A02	FPM,B	RA49	0	2	S	0	2	S	2	2	IM	0	1	W				0	IN	0	S									J						Biological monitoring indicated an impacted benthic community; however, due to private property concerns and access problems at this location, follow-up monitoring will occur at a nearby site with access. An observed effect is noted.
3-IND001.14	VAN-E07R_IND01A04	A	RA16	0	10	S	0	10	S	0	9	S	1	10	S						0	S															
3-JAC000.02	VAP-E26E_CTR03A00	C2	RA73		5	NA		5		0	5	W				0	1	W			0	IN	0	S	0	S									1		One sample event; 2012 WOE category 2B HM-M scenario 3 (potential effects from high metals & PAHs in sed)
3-JET003.49	VAN-E21R_JET01A10	A	RA52	0	12	S	0	12	S	1	12	S	3	12	IM						0	S															
3-JOA000.80	VAN-E09R_JOA01A06	A	RA20	0	12	S	0	11	S	0	11	S	3	12	IM																						
3-JOA001.60	VAN-E09R_JOA01A06	A,B	RA20	0	2	S	0	2	S	0	2	S																			IM						
3-JOR000.50	VAN-E01R_JOR01A04	A,B	RA02	0	15	S	0	14	S	0	15	S	3	11	IM																FS						
3JOR-R17-JMSWCD	VAN-E01R_JOR01A04	CMON	RA02	0	57	S	0	58	IN	0	58	IN	4	58	IN																						
3JOR-R17-SOS	VAN-E01R_JOR01A04	CMON	RA02																												LP						5 sampling events (4a/1u).
3KEA-16-NPS	VAN-E18R_KEA01A12	NONA	RA43	0	31	S	0	31	S	0	31	S																									
3-LAM000.57	VAN-E21R_LAM01A08	A	RA49	0	12	S	0	12	S	0	12	S	4	12	IM								0	S													
3-LAN002.81	VAP-E25E_LAN01A98	A	RA67		13	NA		12		0	13	S				3	12	IM																			saltwater; no data since 2010 cycle
3-LAN006.35	VAP-E25E_LAN01A98	C2	RA67		3	NA		3		0	3	W				1	1	W	0	IN	0	S	0	S	0	S									1		1 sample event; WOE - 2009 category 3B, OH scenario 5; no new data since 2012 cycle
3-LAN007.27	VAP-E25R_LAN01A08	A	RA67	0	15	S	0	15	S	1	15	S	0	2	S																							No E. coli data since 2010 cycle
3-LAT002.34	VAP-E25R_LAT01A14	A	RA65	0	12	S	0	12	S	0	12	S	3	12	IM																						
3-LDR000.70	VAN-E15R_LDR01A00	A,B	RA34	0	13	S	0	12	S	0	12	S	4	12	IM								0	S							FS						
3-LEA000.17	VAN-E14R_LEA01A06	A	RA32	0	12	S	0	11	S	0	11	S	5	12	IM																						
3-LGG001.92	VAP-E25E_LGG01A98	TM	RA69		12	NA		12		0	12	S				2	12	IM																			No new data since 2012 cycle
3-LGG004.54	VAP-E25R_LGG01A98	A,TM	RA69	0	24	S	7	24	IM	2	24	S	2	24	S						0	S															No new data since 2012 cycle
3-LIE003.62	VAP-E23E_LIE01A98	A	RA62		12	NA		12		0	12	S				5	11	IM																	12		No new data since 2012 cycle

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Rappahannock River Basin																																					
3-LIK000.15	VAP-E24E_LIK01A12	SS	RA63		12	NA		12		0	12	S				6	12	IM																			No new data since 2012 cycle
3-LIK002.12	VAP-E24E_LIK01A12	A,SS	RA63		25	NA		24		3	25	IM				1	6	IN			0	S															No new data since 2012 cycle; tidal on at least one sample day
3-LIK002.21	VAP-E24R_LIK01A08	TM	RA63	0	12	S	1	12	S	0	12	S	2	12	IM																						No new data since 2012 cycle
3-LIK-LIL TOT-ACB	VAP-E24E_LIK01A12	CMON	RA63		114	NA		114		0	37	S																									ACB - Level 3
3-LIT001.89	VAP-E26R_LIT01A14	A	RA70	0	12	S	0	12	S	0	12	S	5	12	IM																						
3-LOL000.77	VAP-E26E_LOL01B12	A	RA74		12	NA		12		0	12	S				2	12	IM																		12	No new data since 2012 cycle
3-LSB002.17	VAP-E25R_LSB01A12	TM	RA69	0	12	S	2	12	IM	0	12	S	3	12	IM																						No new data since 2012 cycle
3-MAH000.19	VAN-E08R_MAH01A00	A,TM	RA17	0	11	S	0	11	S	0	11	S	5	11	IM																						
3-MAH004.18	VAN-E08R_MAH02A02	A,B	RA17	0	14	S	0	13	S	0	13	S	4	12	IM																	IM					
3MAH-F12-JMSWCD	VAN-E08R_MAH02A02	CMON	RA17	0	55	S	6	57	IN	0	57	IN	6	57	IN																						
3MAH-F12-SOS	VAN-E08R_MAH02A02	CMON	RA17																													HP						1 sampling event (1u).
3MAH-M1-JMSWCD	VAN-E08R_MAH03A02	CMON	RA17										7	23	IN/O																						
3MAH-M2-JMSWCD	VAN-E08R_MAH02A02	CMON	RA17										3	23	IN/O																						
3MAH-M3-JMSWCD	VAN-E08R_MAH01A00	CMON	RA17										6	22	IN/O																						
3-MAO000.62	VAP-E25R_MAO01A00	TM,SS	RA68	0	12	S	6	12	IM	0	12	S									0	S															No new data since 2012 cycle
3-MAP002.61	VAN-E20R_MAP02A02	A,SS,TM	RA47	0	21	S	0	21	S	0	21	S	5	20	IM						0	S															
3-MAP007.97	VAN-E20R_MAP02A02	A,SS,TM	RA47	0	11	S	0	11	S	1	11	S	6	10	IM						0	S															
3-MAP009.42	VAN-E20R_MAP03A02	A,SS,TM	RA47	0	9	S	0	9	S	0	9	S	5	9	IM						0	S															
3-MAP010.37	VAN-E20R_MAP04A02	A,SS,TM	RA47	0	7	S	0	7	S	0	7	S	7	7	IM						0	S															
3-MAS001.55	VAN-E13R_MAS01A04	A	RA27	0	11	S	0	11	S	0	10	S	4	11	IM																						
3-MAY000.12	VAP-E24E_LIK01A12	TM	RA63		12	NA		12		0	12	S				2	11	IM																			No new data since 2012 cycle
3-MAY001.47	VAP-E24R_MAY01A12	TM	RA63	0	12	S	0	12	S	1	12	S	0	12	S																						No new data since 2012 cycle
3-MAY003.35	VAP-E24R_MAY01A12	TM	RA63	0	12	S	0	12	S	0	12	S	2	12	IM																						No new data since 2012 cycle
3-MAY005.16	VAP-E24R_MAY01A12	TM	RA63	0	12	S	0	12	S	0	12	S	0	12	S																						No new data since 2012 cycle
3-MAY008.43	VAP-E24R_MAY01A12	TM	RA63	0	12	S	4	12	IM	0	12	S	1	12	S																						No new data since 2012 cycle
3-MCM000.96	VAP-E26R_BLD01A08	TM	RA70	0	12	S	0	12	S	0	12	S	6	12	IM																						No new data since 2012 cycle
3-MEA000.77	VAP-E26E_MEA01A00	A	RA73		12	NA		12		0	12	W				1	12	S																		12	
3-MIC001.66	VAN-E21R_MIC01A08	A	RA50	0	12	S	0	12	S	0	12	S	0	12	S																						
3-MIL000.15	VAP-E24R_TOT02B12	TM	RA64	0	12	S	0	12	S	1	12	S	3	11	IM																						No new data since 2012 cycle
3-MIN002.14	VAN-E19R_MIN01A14	A	RA45	0	12	S	0	12	S	0	12	S	6	12	IM																						
3-MIR004.05	VAN-E17R_MIR01A00	A,B	RA41	0	13	S	0	12	S	0	13	S	3	11	IM																	FS					
3-MOT000.39	VAN-E19L_MOT01A02	L	RA45	0	270	S	0	59	S	13	270	S	0	14	S				0	S	0	S	0	S										0	2	S	Motts Run: Nutrients - Sampled 2008, 2009, complete monitoring years, FS for chl-a (& TP). Pooled (3-MOT000.39, 3-MOT001.19) DO (0/68) & pH (13/285).
3-MOT001.19	VAN-E19L_MOT01A02	L	RA45	0	15	S	0	9	S	0	15	S											0	S													Motts Run: Nutrients - 3-MOT001.19 Sampled 2008, 2009, complete monitoring years, FS for chl-a (& TP). Pooled (3-MOT000.39, 3-MOT001.19) DO (0/68) & pH (13/285).
3-MSW000.85	VAP-E22R_MSW01A14	TM	RA54	0	12	S	1	12	S	2	12	IM	1	11	S																						
3-MTC001.94	VAN-E21R_MTC01A08	A	RA49	0	11	S	0	11	S	9	11	IM	1	11	S						0	S															
3-MTL000.12	VAP-E23E_MTL01A10	C2	RA59		3	NA		3		0	3	W				1	1	W			0	IN	0	S	0	S								3		WOE - 2007: Category 3B; OH-M scenario 5; 1 sample event; no data since 2010 cycle
3-MTL004.82	VAP-E23R_MTL01A98	A,B,TM	RA59	0	25	S	5	25	IM	0	25	S	0	12	S						0	S									IN						Class VII water; no E. coli data since 2010 cycle; 2008 benthics
3-MTN000.59	VAN-E09R_MTN01A00	A,B,TR	RA21	0	26	S	0	26	S	0	26	S	6	25	IM						0	IN									FS						
3-MTN014.88	VAN-E09R_MTN03A00	A	RA19	0	13	S	0	13	S	0	12	S	3	12	IM						0	S															
3-MTN025.17	VAN-E09L_MTN01A02	L	RA19	0	25	S	1	15	S	0	25	S	0	5	S						0	S											IN			IN	Pelham Lake: sampled 2007, incomplete monitoring year, IN for chl a & TP.
3-MTN028.68	VAN-E09L_MTN02A02	L	RA19	1	62	S	0	30	S	0	63	S	0	13	S						0	S										0	2	S	0	2	S	Mountain Run Lake: sampled 2008, 2009 - FS for chl a & TP (algaecide application)
3MTN-C16-SOS	VAN-E09R_MTN04A04	CMON	RA19																												HP						1 sampling event (1u).
3-MTR003.51	VAN-E17R_MTR01A00	A,TR	RA40	0	30	S	0	30	S	0	30	S	5	30	IM																						
3-MUB000.46	VAP-E25E_MUB02B14	A	RA68		13	NA		12		0	13	S				1	12	S			0	S													12		saltwater; no data since 2010 cycle
3-MUB001.45	VAP-E25E_MUB01A02	C2	RA68		2	NA		2		0	2	W				0	1	W	0	IN	0	IN	0	S	0	S								1		WOE - 2008: Category 3B; HM-M scenario 5; 1 sample event; no data since 2010 cycle
3-MUC000.23	VAP-E25E_MUC01A04	C2	RA68		2	NA		2		0	2	W				0	1	W	0	IN	0	IN	0	S	0	S								1		One sample event; 2011 WOE category 3B HM-S scenario 5 (potential effects of PAHs in sed)
3-MUC002.31	VAP-E25E_MUC01A04	TM	RA68		12	NA		12		0	12	S									0	S															Previously considered riverine; no new data since 2012 cycle
3-MUR001.19	VAP-E23R_MUR01A04	TM	RA58	0	13	S	0	12	S	1	13	S	2	12	IM																						
3-MUU000.82	VAN-E07R_MUU01A00	A	RA15	0	12	S	0	12	S	0	12	S	4	12	IM																						
3-MUU008.52	VAN-E07R_MUU02A02	A	RA15	0	11	S	0	11	S	0	11	S	7	11	IM																						
3-MUY003.63	VAN-E21R_MUY01A00	A,B	RA48	0	2	S	0	2	S	0	2	S																				IM					
3-MYE-COR11-ALL	VAP-E26E_MYE03A08	CMON	RA72		6	NA		6		0	6	IN																									ACB - level 3 temp & DO; level 2 pH - no data since 2010 cycle
3-NIC000.38	VAP-E25R_NIC01A12	TM,B	RA69	0	14	S	1	14	S	0	14	S	3	12	IM																	FS						2011 benthics
3-NSS000.77	VAP-E23R_NSS01A12	A	RA57	0	12	S	2	12	IM	0	12	S	3	12	IM																							Class VII water; no new data since 2012 cycle

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Rappahannock River Basin																																					
3-OCC003.14	VAP-E22E_OCC01A08	C2	RA55		5	NA		5		0	5	W				1	1	W			0	IN	0	S	0	S												One sample event; 2012 WOE category 2A OH-S scenario 2
3-OCC005.62	VAP-E22E_OCC01A08	A	RA55		12	NA		12		1	12	S				9	11	IM																	12			
3-OCC010.47	VAP-E22R_OCC01A98	A,TM	RA55	0	24	S	0	24	S	0	24	S	3	12	IM																							Class VII water
3-PAN003.00	VAP-E23R_CAT03A04	TM	RA57	0	12	S	0	12	S	0	12	S	2	12	IM																							Class VII water
3-PBC003.09	VAN-E21R_PBC01A10	A	RA52	0	12	S	3	12	IM	1	12	S	3	11	IM						0	S																
3-PBC005.12	VAN-E21R_PBC01A10	FPM,B	RA52	0	2	S	0	2	S	1	2	IN	0	1	W				0	S	0	S									J							Biological monitoring indicated an impacted benthic community; however, due to private property concerns and access problems at this location, follow-up monitoring will occur at a nearby site with access. An observed effect is noted.
3-PEE003.97	VAP-E22E_PEE01A14	TM	RA54		13	NA		13		1	13	S				6	13	IM																			
3-PEE004.11	VAP-E22R_PEE01A08	TM	RA54	0	12	S	7	12	IM	1	12	S	1	12	S																							
3-TBS003.39	VAP-E23R_TBS01A06	TM	RA57	0	12	S	4	12	IM	0	12	S	3	12	IM																							Class VII water
3-THM001.40	VAN-E01R_THM01A02	A,B,TM	RA04	0	35	S	0	35	S	0	35	S	16	31	IM						0	S									IM							
3THM-TR10-JMSWCD	VAN-E01R_THM01A02	CMON	RA04										34	68	IN/O																							
3THM-TR8-JMSWCD	VAN-E01R_THM01A02	CMON	RA04										39	68	IN/O																							
3THM-TR9-JMSWCD	VAN-E01R_THM01A02	CMON	RA04										36	63	IN/O																							
3-THO006.50	VAN-E06R_THO02A02	A,TR	RA14	0	34	S	0	34	S	0	34	S	9	34	IM																							
3-THO014.37	VAN-E05R_THO01A02	A,B,TR	RA11	0	43	S	0	43	S	0	43	S	5	34	IM																FS							
3-THO022.27	VAN-E05R_THO03A02	B	RA11																												IM							
3THO-R5-SOS	VAN-E05R_THO03A02	CMON	RA11																												LP							3 sampling events (3a).
3-THR000.50	VAN-E05R_THR01A02	A	RA11	0	12	S	0	12	S	0	12	S	1	12	S																							
3-THR002.00	VAN-E05R_THR02A02	A,B	RA11	0	9	S	0	9	S	0	9	S																			FS							
3THR-R7-SOS	VAN-E05R_THR01A02	CMON	RA11																												LP							5 sampling events (4a/1u).
3-THU004.69	VAN-E01R_THU01A00	A,TM	RA04	0	45	S	0	44	S	0	45	S	11	39	IM						0	S																
3THU-F14-JMSWCD	VAN-E01R_THU01A00	CMON	RA04	0	57	S	0	58	IN	0	57	IN	8	58	IN																							
3THU-F14-SOS	VAN-E01R_THU01A00	CMON	RA04																												LP							4 sampling events (3a/1g).
3THU-TR1-JMSWCD	VAN-E01R_THU01A00	CMON	RA04										15	68	IN/O																							
3THU-TR2-JMSWCD	VAN-E01R_THU01A00	CMON	RA04										12	68	IN/O																							
3-THW000.55	VAN-E01R_THW01A02	A	RA04	0	12	S	0	11	S	0	12	S	0	12	S						0	S																
3-THW004.68	VAN-E01R_THW01A02	A,TM	RA04	0	33	S	0	32	S	0	33	S	9	33	IM						0	S																
3THW-TR3-JMSWCD	VAN-E01R_THW01A02	CMON	RA04										14	68	IN/O																							
3THW-TR4-JMSWCD	VAN-E01R_THW01A02	CMON	RA04										19	68	IN/O																							
3THW-TR5-JMSWCD	VAN-E01R_THW01A02	CMON	RA04										28	68	IN/O																							
3THW-TR6-JMSWCD	VAN-E01R_THW01A02	CMON	RA04										12	67	IN/O																							
3THW-TR7-JMSWCD	VAN-E01R_THW01A02	CMON	RA04										8	68	IN/O																							
3-TIN000.36	VAN-E08R_TIN01A08	A	RA18	0	9	S	1	9	IN	0	9	S	5	9	IM																							
3-TOT005.11	VAP-E24E_TOT01A00	A,TR,SS	RA64		37	NA		36		0	37	S				14	36	IM																	29			Trend Station; saltwater
3-TOT006.34	VAP-E24E_TOT01A00	SS	RA64		12	NA		12		0	12	S				6	12	IM																			No new data since 2012 cycle
3-TOT009.95	VAP-E24R_TOT01A06	A,TM	RA64	0	25	S	1	24	S	0	25	S	5	23	IM						0	S																No new data since 2012 cycle
3-TOT012.53	VAP-E24R_TOT01A06	TM,B	RA64	0	14	S	0	14	S	0	14	S	3	12	IM																FS							2010 benthics; no new data since 2012 cycle
3-TOT014.49	VAP-E24R_TOT01A06	TM	RA64	0	12	S	0	12	S	0	12	S	4	12	IM																							No new data since 2012 cycle
3-TOT-TOT 1-ACB	VAP-E24R_TOT01A06	CMON	RA64	0	112	S	1	112	S	0	35	S																									ACB - Level 3
3-TOT-TOT 2-ACB	VAP-E24E_TOT01A00	CMON	RA64		112	NA		112		0	35	S																									ACB - Level 3
3-TOT-TOT 3-ACB	VAP-E24E_TOT01A00	CMON	RA64		110	NA		110		0	37	S																									ACB - Level 3
3-TOT-TOT 4-ACB	VAP-E24E_TOT02A00	CMON	RA64		114	NA		113		0	35	S																									ACB - Level 3
3-TWN000.35	VAP-E25E_TWN01A12	TM	RA69		12	NA		12		0	12	S				5	11	IM																			No new data since 2012 cycle
3-URB001.00	VAP-E25E_URB02A00	A,TR	RA69		35	NA		35		0	35	S				2	34	S																	24			Trend Station
3-URB001.50	VAP-E25E_URB01A00	A	RA69		12	NA		12		0	12	S				0	12	S			0	S																No data since 2010 cycle
3-WAE000.72	VAN-E21R_WAE01A08	A	RA49	0	11	S	0	11	S	2	11	IM	1	11	S						0	S																
3-WAF000.03	VAN-E07R_WAF01A10	FPM,B	RA16	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	0	S							J							Biological monitoring indicated an impacted benthic community; however, due to private property concerns and access problems at this location, follow-up monitoring will occur at a nearby site with access. An observed effect is noted. 3-WAF000.82 was sampled in 2012 and was fully supporting. Better habitat was available.
3-WAF000.82	VAN-E07R_WAF01A10	A,B	RA16	0	2	S	0	2	S	0	2	S																			FS							
3-WEE000.38	VAP-E25E_WEE02A04	C2	RA68		2	NA		2		0	2	W				0	1	W			0	IN	0	S	0	S										1			One sample event; 2012 WOE category 3B HM-M scenario 5 (moderate prob of benthic effects from metals and PAHs sed contamination)
3-WHO001.48	VAN-E14R_WHO01A06	A	RA33	0	11	S	0	11	S	0	10	S	4	11	IM																							
3-WHR001.32	VAP-E26E_WHR01A00	C2	RA72		2	NA		2		0	2	W				0	1	W			0	IN	0	S	0	S										1			WOE - 2007: Category 3B; HM-M scenario 5; 1 sample event; no data since 2010 cycle
3-WHS000.89	VAP-E26E_WHS01B00	A	RA73		12	NA		12		0	12	S				3	12	IM																	11			No new data since 2012 cycle
3-WHT000.35	VAN-E21R_WHT01A06	A	RA48	0	12	S	0	11	S	2	12	IM	2	12	IM																							
3-WHT003.73	VAN-E21R_WHT01A06	A,B	RA48	0	2	S	0	2	S	0	2	S																			IM							
3-WIL004.00	VAN-E18R_WIL01A08	A	RA43	0	12	S	0	12	S	0	12	S	7	12	IM						0	S																

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Rappahannock River Basin																																					
3WIL-15-NPS	VAN-E18R_WIL01A08	NONA	RA43	0	31	S	1	31	S	0	31	S																									
3WNR-14-NPS	VAN-E18R_WNR01A12	NONA	RA43	0	30	S	2	30	S	0	30	S																									
3-XAC000.58	VAN-E02R_XAC01A04	A,CR	RA07	0	1	W	0	1	W				0	1	W						0	S															
3XAC-F3-JMSWCD	VAN-E02R_XAC01A04	CMON	RA07	0	56	S	0	58	IN	0	58	IN	10	57	IN/O																						
3XAC-F3-SOS	VAN-E02R_XAC01A04	CMON	RA07																												HP						5 sampling events (5u).
3XCC-BR3-JMSWCD	VAN-E08R_XCC01A12	CMON	RA17										7	23	IN/O																						
3-XFB001.00	VAN-E20R_XFB01A06	FPM,B	RA47	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S									FS						
3-XGR000.95	VAN-E12R_XGR01A10	FPM,B	RA26	0	2	S	0	2	S	0	2	S	0	1	W						0	S									FS						
3XGR-COLLETS01-PATC	VAN-E12R_XGR01A10	CMON	RA26	0	2	IN				0	1	W																			LP						2 sampling events (1vg/1e).
3-XGX000.04	VAP-E23R_XGX01A08	TM	RA60	0	4	S	0	4	S	4	4	IM																									No data since 2010 cycle
3-XGY000.23	VAP-E23R_XGY01A08	TM	RA60	0	4	S	0	4	S	4	4	IM																									No data since 2010 cycle
3-XHB000.65	VAP-E24R_XHB01A10	FPM,B	RA66	0	2	S	1	2	IN	1	2	IN	0	1	W				0	IN	0	S	0	S							IN						2007 Probmon; no data since 2010 cycle
3XHD-15-RFLOW	VAN-E05R_XHD01A08	CMON	RA12	0	2	IN							2	2	IN/O																						
3XHD-16-RFLOW	VAN-E05R_XHD01A08	CMON	RA12	0	2	IN							2	2	IN/O																						
3XHD-17-RFLOW	VAN-E05R_XHD01A08	CMON	RA12	0	2	IN							1	2	IN																						
3XHF-18-RFLOW	VAN-E05R_XHF01A08	CMON	RA12	0	2	IN							1	2	IN																						
3-XHH000.24	VAN-E06R_XHH01A12	A	RA14	0	12	S	0	12	S	0	12	S	4	12	IM																						
3-XHJ000.04	VAP-E24R_RIC01A12	TM	RA66	0	12	S	7	12	IM	7	12	IM	1	12	S																						No new data since 2012 cycle
3-XHK000.65	VAP-E24R_TOT02B12	TM	RA64	0	12	S	1	12	S	0	12	S	4	12	IM																						No new data since 2012 cycle
3-XHL000.96	VAP-E24R_XHL01A12	TM	RA64	0	11	S	0	11	S	2	11	IM	4	11	IM																						No new data since 2012 cycle
3-XHM000.27	VAP-E24R_TOT02B12	TM	RA64	0	11	S	0	11	S	1	11	S	6	11	IM																						No new data since 2012 cycle
3XHN-7-ALL	VAN-E20R_XHN01A10	CMON	RA46	0	92	S	1	92	S	3	31	S	4	11	IM																						Level II data: pH (0/61), E. coli (2/6).
3XHP-XYY01-SOS	VAN-E13R_XHP01A10	CMON	RA30																												LP						1 sampling event (1a).
3-XHQ000.35	VAN-E16R_XHQ01A12	FPM	RA38	0	1	W	0	1	W	0	1	W	1	1	W						0	IN															
3XHS-GR4-JMSWCD	VAN-E02R_XHS01A12	CMON	RA07										3	40	IN																						
3-XHU000.04	VAN-E01R_XHU01A14	FPM,B	RA04	0	2	S	0	2	S	0	2	S	1	1	W						0	S									IM						
3-XHW000.20	VAP-E22R_XHW01A14	TM	RA54	0	12	S	0	12	S	1	12	S	2	12	IM																						
3-XHY000.06	VAP-E22R_ELM01A06	TM	RA53	0	26	S	8	26	IM	6	26	IM	4	13	IM																						
3-XHY002.50	VAP-E22R_ELM01A06	TM	RA53	0	25	S	8	25	IM	2	25	S	1	12	S																						
3XIA-9-ALL	VAN-E20R_XIA01A12	CMON	RA46	0	42	S	0	33	S	0	27	S	2	11	IM																						Level II data: DO (0/11), pH (0/17), E. coli (0/7).
CRR000.79	VAP-E26E_CRR02A08	NONA	RA73		179	NA		179		10	179	S																									VIMS, high pH - no new data since 2012 cycle
CRR003.38	VAP-E26E_CRR01A00	NONA	RA72		128	NA		128		7	128	S																									VIMS, high pH - no new data since 2012 cycle
CRR004.02	VAP-E26E_CTM03A08	NONA	RA71		562			562		10	623	S																									VIMS ConMon - plus 10/562 pH instantaneous (high pH - no new data since 2012 cycle)
CTM003.69	VAP-E26E_CTM01A00	NONA	RA71		165			165		9	165	S																									VIMS, high pH - no new data since 2012 cycle
CTO004.91	VAP-E26E_CTO01A02	NONA	RA70		148	NA		148		8	148	S																									VIMS, high pH - no new data since 2012 cycle
LE3.1	VAP-E25E_RPP02A02	NONA	RA68		118	NA		114																									30			43			VECOS
LE3.2	VAP-E25E_RPP02A02	NONA	RA69		118	NA		114																									29			42			VECOS
LE3.2	VAP-E25E_RPP02A02	NONA	RA69		1	NA		1																															ODU
LE3.3	VAP-E26E_CRR01A00	NONA	RA72		118	NA		112																									30			44			VECOS
LE3.4	VAP-E25E_RPP02A02	NONA	RA73		17	NA		113																									29			44			ODU
RET3.1	VAP-E23E_RPP02A98	NONA	RA62		120	NA		116																									29			44			VECOS
RET3.1	VAP-E23E_RPP02A98	NONA	RA62		1	NA		1																															ODU
RET3.2	VAP-E24E_RPP03A00	NONA	RA66		118	NA		114																									28			43			VECOS
RPP001.99	VAP-E25E_RPP02A02	NONA	RA74		251	NA		251		0	251	S																									VIMS - no new data since 2012 cycle
RPP006.96	VAP-E25E_RPP02A02	NONA	RA74		128	NA		128		0	128	S																									VIMS - no new data since 2012 cycle
RPP010.60	VAP-E25E_RPP02A02	NONA	RA73		263	NA		263		0	263	S																									VIMS - no new data since 2012 cycle
RPP015.61	VAP-E26E_RPP03A00	NONA	RA69		428	NA		428		0	624	S																									VIMS ConMon
RPP017.04	VAP-E25E_RPP02A02	NONA	RA69		133	NA		133		0	133	S																									VIMS - no new data since 2012 cycle
RPP021.29	VAP-E25E_RPP02A02	NONA	RA68		120	NA		120		0	120	S																									VIMS - no new data since 2012 cycle
RPP021.36	VAP-E25E_RPP02A02	NONA	RA68							0	335	S																									VIMS ConMon
RPP022.94	VAP-E25E_RPP02A02	NONA	RA68		143	NA		143		0	143	S																									VIMS - no new data since 2012 cycle
RPP025.52	VAP-E25E_RPP02A02	NONA	RA68		139	NA		139		0	139	S																									VIMS - no new data since 2012 cycle

* For lake/reservoir NUTRIENTS (i.e. Total Phosphorus or Chlorophyll a), "Exceed" refers to the number of exceedences per monitoring year (April-October) and "Samples" represent the number of monitoring years. A minimum of two monitoring years are required to make a supporting (S) or impaired (IM) assessment determination. Less than two full monitoring years result in an insufficient (IN) determination. Also, nutrients are only assessed in lakes listed in Section 187 of the WQS if there is documented algaecide use.

NOTE: Values in VAHU6 refer to the 6th order watershed in version 4 of Virginia's portion of the National Watershed Boundary Dataset.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ABRY002.79	VAW-L52R_BRY01A00	B	RD22																												FS							1 VSCI survey (2008).
4ABRY010.27	VAW-L52R_BRY03A00	TM	RD22	0	10	S	0	10	S	1	10	IN	4	12	IM																							No additional data beyond the 2008 IR where E.coli exceed in 4 /12- 'IM'. B'Berry Study. (formerly coded 2000W0034J).
4ABRY011.44	VAW-L52R_BRY04A02	TM	RD22	0	10	S	0	10	S	1	10	IN	6	12	IM																							No additional data beyond the 2008 IR where E.coli exceed in 6 /12- 'IM'. B'Berry Study. (formerly coded 2000W0034L).
4ABRY-1-SOS	VAW-L52R_BRY02A00	CMON	RD22																												LP							SOS 2 surveys '05 & '06 [3D] Lv. 2.
4ABSA000.62	VAW-L10L_BSA01A10	A,L,TR	RU26	0	1122	S	17	549	S	0	77	S	0	37	S							0	S															Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS.
4ABSA-5-APCO	VAW-L10L_BSA01A10	NONA	RU26																0	S																		10 Cu samples (2005 - 2009) Lv. 3 - Bull Run (SML) No additional data.
4ABSA-T6-FC	VAW-L10R_BSA01A06	CMON	RU26																														18	IN					SML TP stream - 'W' No additional data beyond 2012 IR.
4ABSF001.15	VAW-L08R_BSF01A00	TM,TR	RU21	3	36	S	0	36	S	0	35	S	29	36	IM							0	S															2014 DELIST Temp. S.F. Blackwater River TMDL Bacteria Study U.S. EPA approved 2/02/2001 [Fed. IDs: 1886 / 7791 / 21330 / 24549]. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. Originally 303(d) Listed in 1996 for FC. Temperature delisted in 2004. Temperature impairment returned with 2008 Assessment. Temperature delisted again with 2010 IR. Temperature impairment once again returns with 2012 IR.
4ABST001.13	VAC-L77L_BST01A06	L,SS	RU93	0	91	S	5	56	S	3	91	S	0	14	S							0	S												0	2		2010/2012 Kerr Reservoir Pooled DO Data: 87/903
4ABST013.64	VAC-L77R_BST01A98	A,B	RU91	0	2	S	0	2	S	0	2	S																			IM							2012 Bio 4ABST013.64 has limited habitat due to scour and sedimentation. Riparian vegetation was suitable but bank scour was evident. Spring taxa list was dominated by Simuliidae and Chironomidae, bringing VSCI scores well below the impairment threshold.
4ABST014.94	VAC-L77R_BST01A98	FPM,B	RU91	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W	0	W					J							2007 FPM 4ABST014.94 exhibits significant seasonal variation. Additional data must be collected to accurately characterize the status of the stream community.
4ABST017.09	VAC-L77R_BST02A06	A	RU91	0	12	S	0	12	S	0	12	S	4	12	IM							0	S															
4ABTC000.60	VAC-L62R_BTC01A08	A	RD46	0	12	S	0	12	S	0	12	S	6	12	IM							0	S															
4ABTF002.16	VAC-L33R_BTF01A06	TM	RU67										2	11	IM																							2004 Falling River TMDL EPA Approved 7/9/2004
4ABTF003.11	VAC-L33R_BTF01A06	FPM,B	RU67	0	2	S	0	2	S	0	2	S	1	1	IN				0	W	0	S	0	W	0	W					FS							2008 FPM
4ABTM000.04	VAW-L01R_BTM01A06	A	RU02	3	11	IM	0	11	S	0	11	S	2	11	S							0	S															TEMP Listed 2008 (3/10). No additional data beyond the 2012 IR. 2012 Temp 5/20-IM & E.coli 2/20-S
4ABTM004.48	VAW-L01R_BTM02A06	B	RU02	0	1	IN	0	1	IN	0	1	IN																			FS							1 survey 2008. VSCI 70.8. No additional data beyond the 2010 IR. Tier III Waters.
4ABTM-2-SOS	VAW-L01R_BTM03A06	CMON	RU02																												LP							SOS 1 survey 2010 [3D] Lv. 2.
4ABTT-CR14.2-FC	VAW-L07L_BTT01A10	CMON	RU19																														18	IN		18			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ABUB000.06	VAC-L37R_BUB01A06	A,B,TM	RU76	0	13	S	0	13	S	0	13	S	2	12	IM							0	S								J							2006 Roanoke Basin TMDL 2009 Bio 4ABUB000.06 exhibits significant seasonal variation. Additional data must be collected to accurately characterize the status of the stream community.
4ABUB006.50	VAC-L37R_BUB01A06	TM	RU76	0	14	S	0	14	S	0	14	S	4	12	IM																							2006 Roanoke Basin TMDL
4A-BUB-CHA01-SSWCD	VAC-L37R_BUB01A06	CMON	RU76										11	37	IN/O																							Southside SWCD Station - Level II Coliscan Category 3C
4ABVE002.18	VAW-L07R_BVE01A00	FPM,B	RU17	0	2	S	0	2	S	0	2	S	1	1	IN				0	S	0	S	0	S							FS							VAW05547-104 (2007). No Sediment PEC exceedances from 2007 data; metals only.
4ABWA002.00	VAC-L27R_BWA01A00	A,B	RU56										11	27	IM																J							2009 Bio 4ABWA002.00 exhibits significant seasonal variation. Follow-up monitoring continues the trend of a good VSCI score in the fall. The high number of taxa within the scraper FFG may be an indication of nutrient enrichment.
4ABWA007.87	VAC-L27R_BWA02A02	TM	RU56																																			
4ABWA008.53	VAC-L27R_BWA02A02	FPM,B	RU56	0	3	S	0	3	S	0	3	S	0	1	W				0	S	0	S	0	S	0	S					IM							2012 Bio Abundant periphyton and the presence of filamentous algae indicate elevated nutrients are the probable cause of the impairment at 4ABWA008.53 2003 ProbMon Flow regime and nutrients seem to negatively affect the stream community
4ABWB000.32	VAC-L39R_BWB01A10	FPM,B	RU82	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W	0	W					IM							2008 FPM
4ABWC001.00	VAC-L38R_BWC01A06	A,TM	RU80	0	10	S	0	10	S	1	10	IN	4	9	IM							0	S			0	S											2006 Roanoke Basin Bacteria TMDL 2007-2008 Roanoke River PCB TMDL Sampling
02053800	VAW-L01R_RSF03A00	USGS	RU05	2	11	IM																																No additional data beyond the 2010 IR. Returns to 303(d) for Temp. Temp data only. S.F. Roanoke R. near Shawsville
02054750	VAW-L04R_ROA08A02	USGS	RU14	0	128576	S				0	117700	S																										Continuous Data. No additional data.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
0205491522	VAW-L04R_ROA07A00	USGS	RU14	0	67858	S				0	59272	S																									Continuous Data. No additional data.
0205492550	VAW-L04R_ROA07A00	USGS	RU14	0	30612	S				0	15385	S																									Continuous Data. No additional data.
0205494935	VAW-L04R_ROA06A00	USGS	RU14	0	98492	S				0	93031	S																									Continuous Data. No additional data.
02055010	VAW-L04R_ROA06A00	USGS	RU14	0	28382	S				0	28365	S																									Continuous Data. No additional data.
02055080	VAW-L04R_ROA06A00	USGS	RU14	0	125062	S				0	107258	S																									Continuous Data. No additional data.
02056000	VAW-L04R_ROA01A00	USGS	RU14	0	11	S																															Temp data only. No additional data beyond the 2010 IR.
02056900	VAW-L08R_BWR01B06	USGS	RU22	0	4	S																															Temp data only.
02059485	VAW-L21R_GSE01A00	USGS	RU41	0	12	S																															No additional data beyond the 2010 IR.
02059500	VAW-L22R_GSE01A00	USGS	RU43	0	12	S																															No additional data beyond the 2010 IR.
02061000	VAW-L25R_BOR02A02	USGS	RU52	0	12	S																															Bacteria TMDL Study EPA Approved 02/02/01.
02070000	VAW-L46R_NMR01A00	USGS	RD12	0	10	S																															Temp data only. No additional data beyond the 2010 IR.
02072000	VAW-L52R_SRE04A00	USGS	RD22	0	4	S																															No additional data beyond the 2010 IR.
02073000	VAW-L54R_SRE06A00	USGS	RD26	0	9	S																															Temp data only. No additional data beyond the 2010 IR.
4A-10-THA	VAC-L27L_BWA01A08	CMON	RU56	0	9	S	0	9	S	1	9	IN																									Timberlake Homeowners Association Station
4A-11-THA	VAC-L27L_BWA01A08	CMON	RU56	0	9	S	0	9	S	0	9	S																									Timberlake Homeowners Association Station
4A-1-THA	VAC-L27L_BWA01A08	CMON	RU56	0	9	S	0	9	S	0	9	S	0	3	S																							Timberlake Homeowners Association Station
4A-2-THA	VAC-L27R_BWA04A08	CMON	RU56	0	9	S	0	9	S	0	9	S																									Timberlake Homeowners Association Station
4A-3-THA	VAC-L27L_BWA01A08	CMON	RU56	0	9	S	0	9	S	0	9	S	0	3	S																							Timberlake Homeowners Association Station
4A-4-THA	VAC-L27R_BRW01A08	CMON	RU56	0	9	S	0	9	S	0	9	S																									Timberlake Homeowners Association Station
4A-5-THA	VAC-L27L_BWA01A08	CMON	RU56	0	9	S	0	9	S	1	9	IN	0	3	S																							Timberlake Homeowners Association Station
4A-6-THA	VAC-L27R_WTR01A08	CMON	RU56	0	9	S	0	9	S	0	9	S																									Timberlake Homeowners Association Station
4A-7-THA	VAC-L27L_BWA01A08	CMON	RU56	0	8	S	0	8	S	0	8	S	0	3	S																							Timberlake Homeowners Association Station
4A-8-THA	VAC-L27L_BWA01A08	CMON	RU56	0	9	S	0	9	S	0	9	S																									Timberlake Homeowners Association Station
4A-9-THA	VAC-L27L_BWA01A08	CMON	RU56	0	9	S	0	9	S	0	9	S																									Timberlake Homeowners Association Station
4AAAR004.72	VAC-L73R_AAR01A00	A	RD75	0	13	S	1	13	S	0	13	S	1	13	S						0	S	0	S	0	S											2014 Delist
4AAAR006.20	VAC-L73R_AAR02A10	A	RD75	0	11	S	2	11	IM	0	11	S	1	11	S						0	S															Temp station - bridge out at RM 4.72
4AACC001.15	VAC-L39R_ACC01A98	SS	RU82																																		
4AACC001.75	VAC-L39R_ACC01A98	FPM,B	RU82	0	2	S	0	2	S	0	2	S	1	1	IN				0	W	0	S	0	W	0	W					IM						2002 Probabilistic Monitoring Heavy rains occurred within a week of the fall 2002 sampling event. The benthic TMDL completed in 2004 identified sediment as the stressor to the benthic community.
4AACC002.60	VAC-L39R_ACC01A98	B,TM,SS	RU82	0	4	S	0	4	S	0	4	S									0	S									IM						Observed Effects Benthics 2006 FC bacteria: FC Geo Mean 2/3 Violation Rate - Ash Camp Creek Source Assessment The benthic TMDL completed in 2004 identified sediment as the stressor to the benthic community. 2008/2011 Bio Only, No new bacteria data A slight improvement in the benthic community has been noted at this site. Sediment continues to affect the stream community negatively.
4AACC004.87	VAC-L39R_ACC01A98	B,SS	RU82	0	4	S	0	4	S	0	4	S							0	S	0	S									IM						2006 FC bacteria: FC Geo Mean 0/2 Violation Rate - Ash Camp Creek Source Assessment The benthic TMDL completed in 2004 identified sediment as the stressor to the benthic community. 2008/2011 Bio Only, No new bacteria data A slight improvement has been noted at this site during recent sampling. Sediment and nutrients continue to affect the stream community negatively.
4AACC007.62	VAC-L39R_ACC01A98	B	RU82																																		50 yards below Keysville STP discharge - station may not be appropriate for benthic assessment 2010 - No New Data
4A-ACC-CHA11-SSWCD	VAC-L39R_ACC01A98	CMON	RU82										14	33	IN/O																						Southside SWCD Station - Level II Coliscan Category 3C
4AALL001.13	VAC-L67R_ALL01A08	A,B	RD60	0	14	S	0	14	S	0	14	S	8	12	IM						0	S									FS						2009 Bio
4AALN009.12	VAC-L78R_ALN03A04	A,TR	RL11	0	42	S	9	42	IM	0	42	S	7	37	IM						0	S															
4AALN016.38	VAC-L78R_ALN04A06	A	RL10	0	12	S	0	12	S	0	12	S	4	12	IM						0	S															
4AATD002.66	VAC-L36R_ATD01A08	A,B	RU73	0	14	S	0	14	S	0	14	S	12	12	IM						0	S									IM						2012 Bio Lack of riparian vegetation and poor bank condition may be limiting the ability of 4AATD002.66 to support a diverse community.
4AATD003.36	VAC-L36R_ATD02A14	FPM,B	RU73	0	1	W	0	1	W				0	1	W				0	W	0	W	0	W	0	W					FS						2005 Probabilistic Monitoring The fall 2005 sampling event was conducted after an extended dry period.
4ABAA000.03	VAW-L06R_BAA01A00	A	RU15	0	3	S	0	3	S	0	3	S	0	3	IM						0	S															No additional data beyond the 2008 assessment where E.coli exceeds 2 / 12- 'IM'.
4ABAA000.30	VAW-L06R_BAA01A00	A,B	RU15	0	3	S	0	3	S	0	3	S																			J						3 surveys 2008 & 2012. Avg. VSCI 60.6.
4ABAA012.75	VAW-L06R_BAA03A00	A	RU15	0	3	S	0	3	S	1	3	IN	0	3	S						0	S															No additional data beyond the 2008 IR where E.coli exceeds 1/12 'S'.
4ABAA023.07	VAW-L06R_BAA05A08	A,B	RU15	0	5	S	0	5	S	0	5	S																			J						5 surveys 2008, 2009 & 2012. Avg. VSCI 57.8.
4ABAA-1-SOS	VAW-L06R_BAA01A00	CMON	RU15																												LP						SOS 4 surveys '06 & '05 [3D] Lv. 2. One survey Outside Acceptable Season Range. Formerly coded 4ABAA-SOS.
4ABAA-2-SOS	VAW-L06R_BAA01A00	CMON	RU15																												LP						SOS 2 surveys '06 & '05 [3D] Lv. 2.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ABAA-3-SOS	VAW-L06R_BAA05A08	CMON	RU15																												HP							SOS 1 surveys '06 [3D] Lv. 2.
4ABAA-4-SOS	VAW-L06R_BAA05A08	CMON	RU15																												LP							SOS 3 surveys '07, '08 & '09 [3D] Lv. 2. Four surveys Outside Acceptable Season Range.
4ABAA-5-SOS	VAW-L06R_BAA05A08	CMON	RU15																												LP							SOS 1 surveys '09 [3D] Lv. 2.
4ABAA-6-SOS	VAW-L06R_BAA02A00	CMON	RU15																												LP							SOS 1 surveys '10 [3D] Lv. 2.
4ABAN000.50	VAC-L71R_BAN04A00	C,SS	RD67																						0	S	2	IM	3	IM								VDH Fish Advisory PCBs & Mercury Dan River within the state of Virginia from the Brantley Steam Plant Dam in Danville downstream to the confluence with Roanoke River on John. H. Kerr Reservoir, including its tributaries Hyco River up to Rt. 738 bridge and Banister River up to the Banister Dam. These river segments comprise ~67 miles. (10/27/99; modified 12/13/04; mercury, 8/31/07; modified 9/16/08) 2007 FT Sampling PCB 3 Species Hg 2 Species 00 FT/Sed PCB 3 Sp.
4ABAN001.86	VAC-L71R_BAN04A00	A	RD67	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																
4ABAN001.98	VAC-L71R_BAN04A00	SS	RD67																						2	O												99 Sed DDD & Total DDT
4ABAN002.67	VAC-L71R_BAN04A00	FPM	RD67																0	W																		2002 Probabilistic Monitoring Large river non-target for current DEQ sampling techniques; river is rarely wadeable at this site. Habitat was sparse. Not assessed. Recommend future sampling with appropriate large river methods currently under development.
4ABAN005.58	VAC-L71R_BAN04A00	A,TR	RD67	0	41	S	0	41	S	0	41	S	10	36	IM						0	S																Trend Analysis Performed - Statistically significant trends were detected (TP, decreasing & TSS, decreasing) USGS Temperature Data Level III - 0/7
4ABAN008.30	VAC-L71R_BAN04A00	A,C	RD67	0	24	S	0	24	S	0	24	S	4	12	IM						0	S	0	S	0	S	2	O	3	IM								VDH Fish Adv. Dan River within the state of Virginia from the Brantley Steam Plant Dam in Danville downstream to the confluence with Roanoke River on John. H. Kerr Reservoir, including its tributaries Hyco River up to Rt. 738 bridge and Banister River up to the Banister Dam. These river segments comprise ~67 miles. (10/27/99; modified 12/13/04; mercury, 8/31/07; modified 9/16/08) 2007 FT Sampling PCB 3 Species OE - Hg 2 Species Ammonia Special Study
4ABAN012.46	VAC-L71L_BAN03L00	L,C	RD65	0	67	S	8	45	IM	0	67	S	0	14	S						0	S	0	S	0	S	1	O	0	S								2007 FT Sampling OE - As 1 Species & Hg 1 Species 2009-2010 Banister Lake Sampling TSI Calculations (data from stratified months) Chl a - 53 TP - 58 Secchi - 61 Category 4C
4ABAN022.24	VAC-L71R_BAN02A98	FPM	RD64																0	W																		2001 Probabilistic Monitoring
4ABAN023.28	VAC-L67R_BAN01A98	A	RD62	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																
4ABAN026.65	VAC-L67R_BAN01A98	FPM	RD62																																			2003 FPM
4ABAN029.81	VAC-L67R_BAN01A98	TM	RD62	0	12	S	0	12	S	0	11	S	3	12	IM						0	S																
4ABAN034.15	VAC-L67R_BAN02A04	FPM,B	RD60	0	1	W	0	1	W	0	1	W	0	1	W				0	W			0	W							FS							2010 FPM
4ABAN039.76	VAC-L67R_BAN02A04	A,B,TM,TR	RD60	0	44	S	0	44	S	0	42	S	9	36	IM						0	S	0	S	0	S					FS							
4ABAN044.76	VAC-L67R_BAN04A08	TM	RD58	0	11	S	0	12	S	0	11	S	1	12	S						0	S																
4ABAN053.77	VAC-L67R_BAN04A08	TM	RD58	0	11	S	0	12	S	0	11	S	0	12	S						0	S																Banister Watershed TMDL
4ABAN070.20	VAC-L65R_BAN03A00	A,TM	RD52	0	12	S	0	12	S	0	11	S	2	12	IM						0	S	0	S	0	S												PWS
4ABAN074.58	VAC-L65R_BAN04A00	TM	RD52	0	11	S	0	12	S	0	11	S	3	12	IM						0	S																Banister Watershed TMDL
4ABAR000.32	VAC-L70R_BAR01A06	A,B	RD63	0	2	S	0	2	S	0	2	S							0	W											J							2012 Bio 4ABAR000.32 exhibits great seasonal variability with the fall sample scoring near the impairment threshold of 60. Habitat scores indicate sediment may be a stressor on the system. Additional sampling is required to accurately assess water quality within this reach.
4ABAR001.74	VAC-L70R_BAR01A06	FPM	RD63																0	W																		2004 Probabilistic Monitoring
4ABAU000.94	VAW-L53R_BAU01A06	A	RD24	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																
4ABAU005.34	VAW-L53L_BAU01A02	A,C,L	RD24	0	114	S	0	30	S	0	14	S	1	7	IM						0	S					1	O	1	IM					0	2		Martinsville (Beaver Creek) Reservoir Pooled Data: Temp 0 / 114 (S); DO 0 / 30 (S); pH 0 / 14 (S); CHL A 0 / 2 (S). No additional data. PWS. '07 FT PCB [Apx E-1] 1 sp. Carp (3 fish),; total mercury (Hg) [Apx E-1] 1 sp. 1 fish. DELISTED pH 2008 IR.
4ABAU011.17	VAW-L53R_BAU02A06	FPM,B	RD24	0	2	S	0	2	S	0	2	S	1	1	IN				0	IN	0	S	0	S							IM							FW08VA004- 2 surveys 2011. Avg. VSCI 38.8. No 2011 sediment PEC SV excursions- metals only.
4ABCD001.70	VAC-L36R_BCD01A08	A,B	RU75	0	13	S	0	13	S	0	13	S	3	12	IM						0	S									FS							2010 Bio

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ABCE000.87	VAW-L08R_BCE01A08	FPM,B	RU22	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S	2	O					IM							VAW05547-047 (2006). 2006 Sediment excds PEC SVs DDE (SV-31.3 ppb @ 613.3); DDT TOTAL (SV-572 ppb @ 613.3). No Sediment PEC exceedances from 2007 data; metals only. N.F. Blackwater River Bacteria TMDL Study U.S. EPA approved 03/09/2001. Fed. ID 7790 / 20479. SWCB approved 6/17/2004. Originally 303(d) Listed 1996 for FC. Bacteria Implementation Plan SWCB approved 6/17/2004.
4ABCE001.32	VAW-L08R_BCE01A08	A,B	RU22	0	16	S	0	16	S	0	16	S	7	12	IM																IM							2 VSCI surveys (2010).
4ABDA003.63	VAW-L07R_BDA01A00	TM,TR	RU17	0	36	S	0	36	S	0	36	S	13	35	IM						0	S																
4ABDA006.72	VAW-L07R_BDA01A00	A,B	RU17	0	2	S	0	2	S	0	2	S																			IM							2 VSCI surveys (2008).
4ABDA-2-1-FC	VAW-L07L_BDA01A10	CMON	RU17										0	18	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4ABDA-2-2-FC	VAW-L07L_BDA01A10	CMON	RU17										0	18	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4ABDA-CR25-FC	VAW-L07L_BDA01A10	CMON	RU17																															18	IN		17		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ABDA-T16-FC	VAW-L07R_BDA01A00	CMON	RU17																															18	IN				SML TP stream - 'W' No additional data beyond 2012 IR.
4ABDB000.75	VAC-L67R_BDB01A08	A,B	RD62	0	14	S	0	14	S	0	14	S	4	12	IM						0	S									J							2010 Bio 4ABDB000.75 has VSCI scores very close to the impairment cutoff score of 60. Further sampling is required to accurately assess the waterbody.
4ABDB004.35	VAC-L67R_BDB01A08	FPM,B	RD62	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S									J							2012 FPM 4ABDB000.75 has VSCI scores very close to the impairment cutoff score of 60. Further sampling is required to accurately assess the waterbody. Recent sampling indicates an unbalanced community due to bank scour and sedimentation stressors.
4ABDC002.36	VAW-L02R_BDC01A04	A	RU08	0	12	S	1	12	S	3	12	IM	2	12	IM						0	S																2010 initially 303(d) Listed Bacteria (Nested) E.coli 2/12- 'IM' and pH 4 / 16- 'IM'. No additional data beyond the 2010 IR.
4ABEE000.80	VAC-L75R_BEE01A98	A,B	RL01	0	13	S	0	13	S	0	13	S	4	11	IM						0	S									J							2010 Bio 4ABEE000.80 exhibits significant seasonal variability and a VSCI score close to the impairment cutoff of 60. Further sampling is required to accurately assess this waterbody.
4ABEE001.20	VAC-L75R_BEE01A98	FPM,B	RL01	0	1	W	0	1	W	0	1	W	0	1	W				0	W	0	W	0	W	0	W					J							2002 Probabilistic Monitoring Insufficient information prohibits an accurate assessment. Personnel who performed the spring 2002 monitoring are no longer with the agency, therefore pertinent information about the stream is unavailable.
4ABHA002.47	VAC-L30R_BHA01A02	A,B	RU63	0	14	S	0	14	S	0	14	S	4	11	IM						0	S									FS							2010 Bio
4ABHB004.40	VAC-L75L_ROA05L98	L	RL07	0	155	S	25	105	IM	0	155	S	0	14	S						0	S													0	2		2010/2012 Kerr Reservoir Pooled DO Data: 87/903
4ABHB008.63	VAC-L75R_BHB01A98	A	RL07	0	12	S	1	12	S	0	12	S	1	12	S						0	S																
4ABHB013.93	VAC-L75R_BHB01A98	A	RL07	0	12	S	0	12	S	0	12	S	1	12	S						0	S																
4ABHT001.90	VAW-L04R_BHT01A10	A,B	RU14	0	3	S	0	3	S	0	3	S																			IM							3 surveys (2009 & 2010). Avg. VSCI 36.8.
4ABHT-1-SOS	VAW-L04R_BHT01A10	CMON	RU14																												HP							SOS 5 surveys 2010-2012 [3C] Lv. 2. One survey Outside Acceptable Season Range.
4ABHT-2-SOS	VAW-L04R_BHT01A10	CMON	RU14																												W							SOS 1 survey 2007. Survey Outside Acceptable Season Range. Not assessed.
4ABIR001.00	VAC-L63R_BIR01A98	A,TM	RD47										6	11	IM						0	S																2004 Birch Creek TMDL
4ABIR004.22	VAC-L63R_BIR01A98	TM	RD47										5	11	IM																							2004 Birch Creek TMDL
4ABIR005.34	VAC-L63R_BIR01A98	TM	RD47										6	11	IM																							2004 Birch Creek TMDL
4ABIR011.55	VAC-L63R_BIR01A98	A,TM	RD47	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																2004 Birch Creek TMDL
4ABIR014.28	VAC-L63R_BIR01A98	TM	RD47										2	11	IM																							2004 Birch Creek TMDL
4ABKN000.52	VAC-L65R_BKN01A00	A,B	RD53	0	18	S	0	18	S	0	18	S	1	12	S						0	S									IM							2008/2011/2012 Bio Sediment and flow regime seem to affect the stream community negatively. Showing improvement in 2012. Will continue to monitor the progress of this stream.
4ABKN002.47	VAC-L65R_BKN01A00	TM	RD53	0	11	S	0	12	S	0	11	S	4	12	IM						0	S																Banister River Watershed TMDL
4ABKY-5-1-FC	VAW-L07L_BKY01A10	CMON	RU19										0	22	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4ABKY-5-2-FC	VAW-L07L_BKY01A10	CMON	RU19										0	17	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4ABLE001.21	VAC-L40R_BLE01A06	SS,B	RU87	0	2	S	0	2	S	0	2	S	3	6	IM						0	S									J							2010 Bio 4ABLE001.21 has exhibits significant seasonal variability. Further sampling is required to accurately assess the waterbody. PRO Hog Farm Special Study & Follow-up
4ABLG-1-SOS	VAW-L01R_BLG01A10	CMON	RU02																												LP							SOS 8 surveys 2007 & 2009-2012 [3D] Lv. 2- Two surveys Outside Acceptable Date Range.
4ABLU002.02	VAC-L74R_BLU01A08	A	RD73	0	11	S	2	11	IM	0	11	S	2	11	IM						0	S																
4ABMA002.00	VAC-L76L_BMA01A06	A,TR	RD77	0	41	S	0	41	S	0	41	S	2	36	S						0	S																
4ABNN001.85	VAC-L40R_BNN01A06	TM,B,SS	RU87	0	2	S	0	2	S	0	2	S	5	6	IM																J							2009 Bio 4ABNN001.85 exhibits significant seasonal variability. Further sampling is required to accurately assess the waterbody. PRO Hog Farm Special Study & Follow-up

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ABNN002.17	VAC-L40R_BNN01A06	A,B	RU87	0	2	S	0	2	S	0	2	S	0	1	W																IM							2012 Bio 4ABNN002.17 exhibits seasonal variability below the impairment threshold. Habitat scores and Taxa lists indicate bank scour and sedimentation to be likely stressors within this reach.
4A-BNN-CHA02-SSWCD	VAC-L40R_BNN01A06	CMON	RU87										13	37	IN/O																						Southside SWCD Station - Level II Coliscan Category 3C
4ABNR000.40	VAW-L08R_BNR01A00	A,B,TM,TR	RU20	0	42	S	0	42	S	0	41	S	17	34	IM						0	S									IM							6 surveys 2007 & 2009-2011). Avg. VSCI 49.5. N.F. Blackwater River Bacteria TMDL Study U.S. EPA approved 03/09/2001. Fed. ID 7790 / 20479. SWCB approved 6/17/2004. Originally 303(d) Listed 1996 for FC. Bacteria Implementation Plan SWCB approved 6/17/2004. N.F. Blackwater River General Standard Benthic (Fed ID 24548 Phosphorus & Fed ID 24550 Sediment) TMDL Study is U.S. EPA approved 4/26/2004. Fed ID 7789. SWCB approved 8/31/2004.
4ABNR001.53	VAW-L08R_BNR01A00	A,B	RU20	0	4	S	0	4	S	0	4	S																			IM							2 VSCI surveys (2010). N.F. Blackwater River General Standard Benthic (Fed ID 24548 Phosphorus & Fed ID 24550 Sediment) TMDL Study is U.S. EPA approved 4/26/2004. Fed ID 7789. SWCB approved 8/31/2004.
4ABNR004.56	VAW-L08R_BNR02A00	A,TM	RU20	0	12	S	0	12	S	0	11	S	3	12	IM						0	S																No additional data beyond the 2010 IR where E.coli exceeds in 4 / 13- 'IM'. N.F. Blackwater River Bacteria TMDL Study U.S. EPA approved 03/09/2001. Fed. ID 7790 / 20479. SWCB approved 6/17/2004. Originally 303(d) Listed 1996 for FC. No additional data beyond 2006 IR.
4ABNR-1-SOS	VAW-L08R_BNR02A00	CMON	RU20																												LP							4 surveys 2011-2012 [3D] Lv. 2.
4ABOE001.34	VAW-L21R_BOE01A08	A	RU40	0	12	S	0	12	S	0	12	S	4	12	IM																							Goose Creek Fed ID 24552 and its tributaries are nested within the Staunton River TMDL Watershed.
4ABOE005.27	VAW-L21R_BOE01A08	FPM,B	RU40	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S									IM							VARS11-091- 2 surveys 2012. Avg. VSCI 54.1. No sediment collection.
4ABOR000.62	VAC-L28R_BOR01A00	A,B,TM,TR	RU59	0	46	S	0	46	S	0	45	S	10	35	IM						0	S	0	S	0	S					FS							PWS; Big Otter FC TMDL Approved Trend Analysis Performed - Statistically significant trends were detected (TP, decreasing & TSS, decreasing) 2007-2008 Roanoke River PCB TMDL Sampling No Violations 2005 SPMD Data found to be invalid USGS Temperature Data Level III - 0/14
4ABOR008.32	VAC-L28R_BOR01A00	TM	RU59	0	2	S	0	2	S	0	2	S									0	S																PWS; Big Otter FC TMDL Approved
4ABOR012.18	VAC-L28R_BOR01A00	C	RU57																				0	S	0	S	0	S	1	O								2006 FT/Sediment - PCB 1 Species
4ABOR016.26	VAW-L27R_BOR01A00	A,TM	RU55	0	24	S	0	24	S	0	24	S	4	23	IM						0	S																Big Otter River Bacteria TMDL Study U.S. EPA approved on 02/02/2001. Fed ID 1427 / 9485 / 36497. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 3/27/2007. Originally 303(d) Listed 2002 for FC
4ABOR024.46	VAW-L25R_BOR01A02	A	RU52	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																Bacteria TMDL Study EPA Approved 02/02/01.
4ABOR033.22	VAW-L23R_BOR01A02	A,B	RU49	0	2	S	0	2	S	0	2	S									0	S									FS							2 surveys 2011. Avg. VSCI 65.8.
4ABOR034.32	VAW-L23R_BOR01A02	A	RU49	0	12	S	0	12	S	0	12	S	0	12	IM						0	S																No additional data beyond the 2010 IR where E.coli exceeds in 4 /23- 'IM'. Sheeps Creek/Big Otter River Bacteria TMDL Study U.S. EPA approved 02/02/2001. Fed ID 1650 / 7798 / 23400. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 3/27/07. Originally 303(d) Listed 2004 for FC.
4ABOR-1-SOS	VAW-L23R_BOR01A02	CMON	RU49																												HP							SOS 2 surveys '07 [3C] Lv. 2
4ABOS000.13	VAC-L74R_BOS01A06	FPM,B	RD70	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W	0	W					IM							2004 Probabilistic Monitoring Segment affected by beaver activity. Suitable habitat was limited for the maintenance of an adequate stream community.
4ABPA-1-SOS	VAW-L05R_BPA01A04	CMON	RU11																												LP							SOS 1 survey 2008 [3D] Lv. 2.
4ABPA-3-SOS	VAW-L05R_BPA01A04	CMON	RU11																												LP							SOS 6 surveys 2007-2010 [3D] Lv. 2. One survey Outside Acceptable Season Range.
4ABPC003.14	VAC-L75R_BPC01A04	A	RL03	0	24	S	1	24	S	0	24	S	2	23	S						0	S																
4ABRY000.05	VAW-L52R_BRY01A00	A,TM	RD22	0	19	S	0	18	S	0	19	S	7	21	IM						0	S																No additional data beyond the 2008 IR where E.coli exceed in 7 /21- 'IM'. Same location as SS 2000W0034E.
4ABWR002.50	VAW-L10L_BWR01A10	A,L,TR	RU26	0	1280	S	18	704	S	0	77	S	0	38	S						0	S										0	2	S	0	2		Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS.
4ABWR010.55	VAW-L10L_BWR02A10	A,L,TR	RU24	0	1057	S	21	495	S	2	74	S	0	37	S						0	S																Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS.
4ABWR017.42	VAW-L10L_BWR03A10	A,L,TR	RU24	1	313	S	2	185	S	1	48	S	2	38	S						0	S																2014 DELIST Bacteria. Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS.
4ABWR019.75	VAW-L10R_BWR01A00	A,C,TR	RU24	0	36	S	0	36	S	1	36	S	9	36	IM				0	S	0	S	0	S	0	S	1	IM	1	IM								VDH PCB Fish Consumption Advisory (PCB). '06 FT PCB 1 sp.; mercury (Hg) 2 sp. Sed no exceedances. Trend Analysis.
4ABWR029.51	VAW-L08R_BWR01A00	A,B	RU22	0	4	S	0	4	S	0	4	S																			FS							2014 DELIST Gen. Std. Benthic. 4 surveys 2011-2012. Avg. VSCI 69.4.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ABWR045.80	VAW-L08R_BWR03A00	A,B,TR	RU22	0	41	S	0	41	S	0	40	S	19	35	IM						0	S	0	S	0	S					J							2 VSCI surveys (2010). Gen. Std. (98) 'Partial De-list' EPA APPROVED 1/27/2004. Middle Blackwater River Bacteria TMDL Study U.S. EPA approved 12/04/2001. [Fed. ID 1887 / 1889 / 9633]. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. Originally listed in 1996 for FC.
4ABWR054.81	VAW-L08R_BWR04A00	A,TM,TR	RU22	0	36	S	0	36	S	0	35	S	18	36	IM						0	S																Upper Blackwater River Bacteria TMDL Study U.S. EPA approved on 03/09/2001. Fed. ID 1887 / 9634. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. Originally listed in 1996 for FC.
4ABWR061.20	VAW-L08R_BWR05A00	A,B,TM,TR	RU22	0	41	S	0	41	S	0	40	S	24	35	IM						0	S	0	S							IM							6 VSCI surveys 2007 &, 2009-2011. Avg. VSCI 49.4. Upper Blackwater River Bacteria TMDL Study U.S. EPA approved on 03/09/2001 Fed. ID 1887 / 9634. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. Originally listed in 1996 for FC. Upper Blackwater River General Standard Benthic (Phosphorus Fed ID 7789 & Sediment Fed ID 23397) TMDL Study U.S. EPA approved 4/26/2004. SWCB approved 8/31/2004.
4ABWR-12-1-FC	VAW-L10L_BWR01A10	CMON	RU26										0	18	S																						FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4ABWR-12-2-FC	VAW-L10L_BWR01A10	CMON	RU26										0	18	S																						FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4ABWR-14-1-FC	VAW-L10L_BWR03A10	CMON	RU24										1	18	S																						FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4ABWR-14-2-FC	VAW-L10L_BWR03A10	CMON	RU24										1	16	S																						FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4ABWR-1-SOS	VAW-L08R_BWR01A00	CMON	RU22																												MP							SOS 5 surveys '06, '07, '09 & '10 [3C] Lv. 2. Two surveys Outside Acceptable Season Range.
4ABWR-2-SOS	VAW-L08R_BWR04A00	CMON	RU22																												LP							SOS 1 survey '07 [3D] Lv. 2.
4AGOS000.71	VAW-L01R_GOS01A02	A,B	RU01	0	14	S	0	14	S	0	14	S	3	12	IM																FS							2 surveys 2011. Avg. VSCI 73.4.
4AGRA003.22	VAC-L75L_ROA05L98	L	RL04																																			Discontinued Kerr Reservoir station - outside lacustrine zone
4AGRA003.29	VAC-L75L_ROA05L98	A	RL03	0	12	S	0	12	S	0	12	S	0	12	S						0	S																
4AGRM-1-SOS	VAW-L07R_GRM01A12	CMON	RU18																												LP							SOS 8 surveys 2009-2012 [3C] Lv. 2. Two surveys Outside Acceptable Season Range.
4AGRT003.82	VAC-L80R_GRT01A00	A,B,TM	RL18	0	14	S	0	14	S	0	14	S	3	12	IM						0	S									J							2006 Great Creek TMDL 2010 Bio 4AGRT003.82 exhibits significant seasonal variation. Additional data must be collected to accurately characterize the status of the stream community.
4AGRT004.70	VAC-L80R_GRT01A00	TM	RL18										7	9	IM																						2006 Great Creek TMDL
4AGRT008.49	VAC-L80R_GRT01A00	TM	RL18										2	9	IM																						2006 Great Creek TMDL
4AGSE000.20	VAW-L22R_GSE01A00	A	RU45	0	26	S	0	26	S	0	26	S	0	23	S						0	S	0	S					0	S								No additional data beyond the 2010 IR. ROA PCB TM SPMD-'S' (2007). 2004 FC bacteria: 3/18- 'IM'. Need 12 E.coli.
4AGSE013.78	VAW-L22R_GSE02A02	A	RU43	0	12	S	0	12	S	0	12	S	2	11	IM																						
4AGSE015.07	VAW-L22R_GSE02A02	FPM,B	RU43	0	2	S	0	2	S	0	2	S	0	1	IN						0	S	0	S	0	S	1	O			0	S	FS						VAW05547-056 (2006). No Sediment PEC exceedances from 2006 data.
4AGSE025.64	VAW-L21R_GSE01A00	A	RU41	0	9	S	0	9	S	0	9	S	3	9	IM						0	S																No additional data beyond the 2008 IR. Goose Creek Fed ID 24552 and its tributaries are nested within the Staunton River TMDL Watershed.
4AGSE037.78	VAW-L20R_GSE01A00	A	RU39	0	12	S	0	12	S	0	12	S	6	12	IM						0	S																No additional data beyond the 2008 IR where E.coli exceeds in 8 / 12- 'IM'.
4AGSE-1-SOS	VAW-L22R_GSE02A02	CMON	RU43																												HP							SOS 7 surveys '07, '08, '09 & '10 [3C] Lv. 2. Two surveys Outside Acceptable Range.
4AGSH001.28	VAW-L04R_GSH01A14	FPM,B	RU10	0	2	S	0	2	S	0	2	S	0	1	IN						0	IN	0	S							IM							2 surveys 2012. Avg. VSCI 47.9. No 2012 sediment collection.
4AGSY004.60	VAC-L64R_GSY01A08	A,B	RD51	0	2	S	0	2	S	0	2	S																			J							2010 Bio 4AGSY004.60 exhibits significant seasonal variability and a VSCI score close to the impairment cutoff of 60. Very low flows are characteristic of this waterbody. Further sampling is required to accurately assess this waterbody. 4AGSY004.60 was sampled in response to a BPJ assessment of an upstream PROBMON station (4AGSY004.98).
4AGSY004.98	VAC-L64R_GSY01A08	FPM,B	RD51	0	2	S	0	2	S	0	2	S	1	1	IN						0	W			0	S	0	S			IM							2006 Probabilistic Monitoring Probabilistic survey lists as: 4AXUY000.58 Headwater stream which flows through an active cattle pasture. The stream community may be negatively impacted from sedimentation and excess nutrients.
4AHAG002.95	VAC-L80R_HAG01A06	TM	RL18										3	9	IM																						2006 Great Creek TMDL
4AHCK000.51	VAC-L34R_HCK01A10	A,B	RU69	0	16	S	0	16	S	0	16	S	2	12	IM						0	S									FS							2010/2012 Bio Seasonal variability in 2010 necessitated further sampling of 4AHCK000.51. Additional sampling yielded consistent scores above the assessment threshold. Riparian vegetation was adequate to maintain a balanced community.
4AHEN002.16	VAC-L39R_HEN01A00	A	RU85	0	11	S	0	11	S	0	11	S	5	11	IM						0	S	0	S	0	S												

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4AHEN004.27	VAC-L39R_HEN02A04	A,B	RU85	0	4	S	0	4	S	0	4	S																			IM							2009/2012 Bio 4AHEN004.27 exhibits significant seasonal variation. Additional data were collected in 2012 and characterize the stream community as unbalanced. Sediment and bank scour seem to be likely stressors within this reach.
4AHEN004.74	VAC-L39R_HEN02A04	FPM,B	RU85																											IM							2001 Probabilistic Monitoring Potential sediment impacts and lack of instream habitat.
4AHFW-CR17-FC	VAW-L07L_HFW01A10	CMON	RU18																													18	IN		18			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AHLL000.45	VAC-L57R_HLL01A14	FPM,B	RD31	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S			0	S					J							2011 FPM Riffles in this stream were somewhat embedded but overall it had decent habitat.
4AHNT001.29	VAW-L22R_HNT01A10	A	RU43	0	11	S	0	11	S	0	11	S	11	12	IM						0	S																No additional data beyond the 2010 IR.
4AHPN001.62	VAW-L18R_HPN01A06	A,TM	RU36	0	12	S	0	12	S	0	12	S	9	12	IM						0	S																No additional data beyond the 2008 IR where E.coli exceeds in 13 / 21- 'IM'. Pigg R. Bacteria TMDL [Fed ID 30414] EPA Approved 9/11/2006; SWCB Approved 6/27/2007.
4AHRN004.93	VAW-L47R_HRN01A00	A,B,TM	RD11	0	15	S	0	15	S	0	15	S	5	12	IM						0	S									IM							3 VSCI surveys (2008, 2009 & 2010) to validate 4AHRN007.65. 2010 IR E.coli exceeds in 6 / 21- 'IM'. 2004 Bacteria (FC) Listed (5/17). Dan River Bacteria TMDL U.S. EPA approved 12/08/2008 Fed ID: 35748. SWCB approved 4/28/2009.
4AHTA000.77	VAC-L38R_HTA01A06	A,TM	RU80	0	12	S	0	12	S	0	12	S	3	12	S						0	S																
4AHTA003.26	VAC-L38L_HTA01L00	L,C	RU80	0	64	S	1	36	S	0	59	S	0	14	S						0	S	0	S	2	IM	0	S						0	1			2004 Lake Conner Only one sample year 2006 FT/Sediment - Hg 2 Species
4AXVR-2-RVTU	VAW-L05R_XVR01A14	CMON	RU13	0	3	S							0	3	IN																							RVTU Temp Lv.3 / Ecoli [3D] Lv. 2.
4AXVS-1-SOS	VAW-L04R_XVS01A14	CMON	RU14																												LP							SOS 2 surveys 2011-2012 [3D] Lv. 2.
4AXVT-1-SOS	VAW-L14R_XVT01A14	CMON	RU29																												LP							1 survey 2012 [3D] Lv. 2.
4AXVU-1-SOS	VAW-L14R_XVU01A14	CMON	RU30																												LP							1 survey 2012 [3D] Lv. 2. One survey Outside Acceptable Date Range.
4BARA035.07	VAW-M03R_ARA01A00	C	YA03																									1	IM	0	S							PWS. '07 FT mercury (Hg) [Apx E-1] 3 sp.
4BARA035.13	VAW-M03R_ARA01A00	A	YA03	0	9	S	0	9	S	0	9	S	3	9	IM						0	S																No additional data beyond the 2008 IR where E.coli 3/9- 'IM'.
4BBIR002.57	VAW-M03R_BIR01A14	FPM,B	YA03	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S								FS							VARS11-239- 2 surveys 2011. Avg. VSCI 76.3.
4BELK000.96	VAS-M02R_ELK01A02	FPM,B	YA05	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S								FS							@ Rt 823 crossing Class VI, PWS VSCI: 08/29/2011 71.86 05/12/2011 78.86
4BJOH004.45	VAW-M03R_JOH01A02	A	YA04	2	12	IM	0	12	S	0	12	S	2	12	IM						0	S																PWS. Temp initially Listed 2008 2/9- 'IM'.
4BLOV007.92	VAS-M02R_LOV01A02	A,C	YA05	3	13	IM	0	13	S	0	13	S	8	13	IM						0	S					0	S	2	IM								Bridge. # 6089 on SR 687 off SR 686 Class V Fish station sampled 12 June 2007, metals, PCB and pesticide analysis. DDT and DDE exceed TV in a redhorse sucker. No TSV for metals in fish are exceeded.
4BLOV008.45	VAS-M02L_LOV01B10	C	YA05																									11	IM	6	IM							Lovills Creek Lake-Class VI Fish station sampled on 08 Aug 2007; metals, PCB and pesticide analysis: six largemouth bass exceeded the VDH level of concern for mercury. In addition, DDD, DDE and DDT exceeded Department of Environmental Quality screening values in carp. VDH recommends no more than two meals per month of largemouth bass due to mercury contamination.
4BPAU007.19	VAS-M02R_PAU01A02	A	YA07	0	13	S	0	13	S	0	13	S	1	13	S						0	S																Bra. # 6091 on SR 690 off SR 52
4BSTE007.99	VAS-M02R_STE01A02	A	YA06	0	13	S	0	13	S	0	12	S	1	13	S						0	S																Bra. no # guard rail on NC SR # 1602
LVLAOWC000.58	VAC-L13L_OWC01A02	CMON	RU38	0	31	S	0	11	S	0	28	S	0	46	IN																							Leesville Lake Association #5
4ABWR-3-APCO	VAW-L10L_BWR01A10	NONA	RU26																0	S																		10 Cu samples (2005 - 2009) Lv. 3 - Blackwater R. (SML) No additional data.
4ABWR-4-APCO	VAW-L10L_BWR01A10	NONA	RU26																0	S																		10 Cu samples (2005 - 2009) Lv. 3 - Blackwater R. (SML) No additional data.
4ABWR-B10-FC	VAW-L10L_BWR01A10	CMON	RU26																													18	IN		18			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ABWR-B12-FC	VAW-L10L_BWR02A10	CMON	RU24																													18	IN		18			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ABWR-B14-FC	VAW-L10L_BWR02A10	CMON	RU24																													16	IN		16			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ABWR-B16-FC	VAW-L10L_BWR02A10	CMON	RU24																													16	IN		16			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ABWR-B18-FC	VAW-L10L_BWR02A10	CMON	RU24																													16	IN		16			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ABWR-B20-FC	VAW-L10L_BWR03A10	CMON	RU24																													16	IN		16			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ABWR-B22-FC	VAW-L10L_BWR03A10	CMON	RU24																													24	IN		24			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ABWR-CB11-FC	VAW-L10L_BWR02A10	CMON	RU26																													17	IN		18			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ABWR-CB16-FC	VAW-L10L_BWR02A10	CMON	RU24																													16	IN		16			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ABWR-PB13-FC	VAW-L10L_BWR02A10	CMON	RU24	0	383	S	0	25	S	2	258	S																										FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. No additional data beyond 2012 IR.
4ABWR-PB7-FC	VAW-L10L_BWR01A10	CMON	RU26	0	544	S	0	27	S	0	360	S																										FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. No additional data beyond 2012 IR.
4ABWR-T3-FC	VAW-L10L_BWR03A10	CMON	RU24																													18	IN					SML TP stream - 'W' No additional data beyond 2012 IR.
4ABYE000.85	VAC-L67R_BYE01A08	A,B	RD62	0	14	S	0	14	S	0	14	S	5	12	IM						0	S									FS							2010 Bio
4ABYR000.80	VAC-L62R_BYR01A04	SS,TM	RD46										2	6	IM																							PRO Hog Farm Special Study & Follow-up
4ABYR002.13	VAC-L62R_BYR01A04	SS	RD46										2	6	IM																							PRO Hog Farm Special Study & Follow-up
4ACAN000.80	VAC-L60R_CAN1A02	A,B	RD41	0	14	S	0	13	S	0	14	S	3	12	IM						0	S									IM							2009 Bio Bank scour and sedimentation are negatively affecting 4ACAN000.80.
4ACAP-2-SOS	VAW-L01R_CAP01A08	CMON	RU02																											LP							SOS 16 surveys 2007-2012 [3D] Lv. 2. One survey Outside Acceptable Season Range.
4ACAR001.70	VAC-L40R_CAR01A08	A	RU90	0	10	S	1	10	IN	0	10	S	3	10	IM						0	S																
4ACAS001.92	VAC-L57R_CAS01A00	A	RD31										0	4	IM																							NO NEW DATA
4ACAS003.45	VAC-L57R_CAS01A00	A,B	RD31	0	17	S	0	17	S	0	17	S	0	11	S						0	S									FS							2009/2011/2012 Bio 4ACAS003.45 has a VSCI score close to the impairment cutoff of 60. Further sampling is required to accurately assess this waterbody. This stream section was involved with a pollution incident involving the improper disposal of nutrient rich wastes. This reach should be monitored to track recovery. It was sampled in 2011 and 2012. VSCI scores are consistently above the assessment threshold. Optimal habitat enables this community to score well. However, nutrient enrichment may still be affecting this reach.
4ACBA000.22	VAC-L36R_CBA01A06	TM	RU73	0	11	S	0	11	S	0	11	S	2	11	IM																							2006 Roanoke Basin TMDL
4ACCK001.80	VAW-L12L_CCK01A02	A,L	RU27	0	1055	S	0	565	S	1	79	S	0	40	S						0	S																Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS.
4ACCK004.26	VAW-L12R_XME01A02	A	RU27	0	11	S	0	11	S	0	11	S	3	11	IM						0	S																
4ACCK-9-APCO	VAW-L12L_CCK01A02	NONA	RU27																0	S																		10 Cu samples (2005 - 2009) Lv. 3 - Craddock Cr. (SML) No additional data.
4ACCK-C4-FC	VAW-L12L_CCK01A02	CMON	RU27																													17	IN		18			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ACCK-C5-FC	VAW-L12L_CCK01A02	CMON	RU27																													17	IN		18			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ACCK-C6-FC	VAW-L12L_CCK01A02	CMON	RU27																													17	IN		18			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ACCK-T12-FC	VAW-L12L_CCK01A02	CMON	RU27																													18	IN		0			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ACEC000.82	VAW-L18R_CEC01A10	FPM,B	RU37	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							VAW05547-132 (2007). No Sediment PEC exceedances from 2007 data; metals only.
4ACEC001.24	VAW-L18R_CEC01A10	FPM,B	RU37	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							VAW05547-300 (2010).
4ACLA000.88	VAC-L13R_CLA01A10	A	RU28	0	11	S	0	11	S	0	11	S	3	11	IM						0	S																2014 - New Bacteria Impairment
4ACLB001.90	VAC-L74R_CLB01A06	FPM,B,TM	RD72	0	12	S	5	12	IM	0	12	S	1	12	S				0	W	0	S	0	S	0	S					IM							2006 Probabilistic Monitoring Lack of suitable habitat is negatively affecting the stream community.
4ACLB004.14	VAC-L74R_CLB01A06	A,B	RD72	0	2	S	0	2	S	0	2	S																			IM							2012 Bio Beaver dam downstream. Very slow-moving water. Habitat rather lacking and livestock have access upstream of bridge.
4ACLB005.17	VAC-L74R_CLB01A06	SS	RD72	0	6	S	0	6	S	0	6	S	1	6	IM						0	S																PRO Hog Farm Special Study & Follow-up
4ACLB007.78	VAC-L74R_CLB01A06	SS	RD72	0	6	S	0	6	S	0	6	S	3	6	IM						0	S																PRO Hog Farm Special Study & Follow-up
4ACMC001.58	VAW-L22R_CMC01A12	A	RU44	0	12	S	0	12	S	0	12	S	2	12	IM																							Goose Creek Fed ID 24552 and its tributaries are nested within the Staunton River TMDL Watershed.
4ACNE-6-RVTU	VAW-L05R_CNE01A14	CMON	RU13	0	6	S							0	6	IN																							RVTU Temp Lv. 3/E.coli Lv. 2.
4ACNT001.32	VAW-L15R_CNT01A00	A,B	RU31	0	12	S	0	12	S	0	12	S	1	12	IM						0	S									FS							DELIST Bacteria 2014. 2008 IR E.coli exceeds in 6 / 12-'IM'. Pigg River TMDL Study U.S. EPA approved on 9/11/2006 Fed ID 30414. Bacteria Implementation Plan SWCB approved 12/13/2010. FC Listed 2004 2/17-'IM'.
4ACNT003.84	VAW-L15R_CNT01A00	FPM,B	RU31	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							VAW05547-339 2 surveys 2010. Avg. VSCI 67.6.
4ACNT022.05	VAW-L15R_CNT03A14	FPM,B	RU31	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							J							VARS11-070- 2 surveys 2011. Avg. VSCI 59.7.
4ACNT-1-SOS	VAW-L15R_CNT01A00	CMON	RU31																											LP							SOS 1 survey '07 [3D] Lv. 2.
4ACOA000.60	VAW-L10L_COA01A10	A,L,TR	RU26	0	1135	S	37	522	S	0	76	S	0	38	S						0	S																Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS.
4ACOA-6-APCO	VAW-L10L_COA01A10	NONA	RU26																0	S																		10 Cu samples (2005 - 2009) Lv. 3 - Cool Br. (SML) No additional data.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ACOX000.38	VAC-L78R_COX01A04	A	RL11	0	4	S	0	4	IM	1	4	IM									0	S	0	S	0	S												Flow below 7Q10 8/6/02 Reference Gage #02079640; Ambient Sediment Sample DO - 3/11 Violation Rate No New Data - 2012
4ACOX003.23	VAC-L78R_COX01A04	A	RL11	0	12	S	4	12	IM	1	12	S	1	12	S						0	S																
4ACOX007.73	VAC-L78R_COX01A04	FPM,B	RL11	0	1	W	0	1	W	0	1	W	0	1	W				0	W	0	S	0	S	0	S						IM							2005 Probabilistic Monitoring Lack of suitable habitat is negatively affecting the stream community. Beaver activity has made the reach unwadeable. Accurate assessment depends on locating a suitably accessible site.
4ACPC-1-SOS	VAW-L43R_CPC01A12	CMON	RD06																												LP							SOS 4 surveys '09 & '10 [3D] Lv. 2.
4ACRE002.52	VAC-L30R_CRE01A00	A,B,TM	RU72	0	2	S	0	2	S	0	2	S	2	12	IM						0	S										J							PWS 2011 Bio This stream had increased sediment deposition.
4ACRE008.75	VAC-L30R_CRE01A00	A,B	RU72	0	14	S	0	14	S	0	14	S	3	12	IM						0	S										J							2011 Bio This stream had increased sediment deposition and marginal habitat.
4ACRR000.80	VAC-L66R_CRR01A00	A,C,TM	RD55	0	11	S	0	12	S	0	11	S	1	12	S						0	S	0	S	0	S	1	O	0	S									99 FT/Sed 2007 FT Sampling
4ACRR003.56	VAC-L66R_CRR01A00	A	RD55	0	12	S	0	12	S	0	12	S	9	12	IM						0	S																
4ACRR008.32	VAC-L66L_CRR01A02	L	RD55	0	129	S	14	76	IM	0	129	S	1	21	S						0	S													0	3		2007/2011/2012 Cherrystone Creek Reservoir
4ACRV001.88	VAW-L05R_CRV01A00	A	RU12	0	12	S	0	12	S	0	12	S	6	12	IM						0	S																2008 FC bacteria: 3/10- 'IM'.
4ACRV006.19	VAW-L05L_CRV01A02	A,L	RU12	0	296	S	1	152	S	1	28	S	0	14	S						0	S													0	2		Carvin Cove Res.: Temp 0 / 137 (S); DO 1 / 54 (S); pH 0 / 34 (S); CHL A 0 / 2 (FS).
4ACRV-1-SOS	VAW-L05R_CRV02A00	CMON	RU12																												LP							SOS 2 surveys '07 & '08 [3D] Lv. 2.
4ACRV-2-SOS	VAW-L05R_CRV01A00	CMON	RU12																												LP							SOS 10 surveys '07, '08, '09 & '10 [3D] Lv. 2. Three surveys Outside Acceptable Season Range.
4ACRV-3-SOS	VAW-L05R_CRV02A00	CMON	RU12																												LP							SOS 1 survey '07 [3D] Lv. 2.
4ACRV-5-SOS	VAW-L05R_CRV02A00	CMON	RU12																												IN							1 survey 2011. Gray Zone.
4ACTT000.70	VAC-L78R_CTT01A08	A,C	RL12	0	12	S	2	12	IM	0	12	S	4	12	IM														0	S								2014 - New DO Impairment
4ACUB002.21	VAC-L37R_CUB02A06	TM	RU72	0	2	S	0	2	S	0	2	S	3	12	IM						0	S			0	S												2012 - No New Data 2006 Roanoke Basin Bacteria TMDL 2007-2008 Roanoke River PCB TMDL Sampling
4ACUB005.46	VAC-L37R_CUB02A06	TM	RU79	0	14	S	0	14	S	0	14	S	3	12	IM																							2006 Roanoke Basin TMDL
4ACUB010.96	VAC-L37R_CUB01A00	A,C,TR	RU78	0	41	S	0	41	S	0	41	S	6	36	S						0	S	0	S	0	S	2	IM	3	IM								2006 FT/Sediment - Hg 2 Species, PCBs 3 Species New FT Impairment from Mercury USGS Temperature Data Level III - 0/7
4ACUB017.46	VAC-L37R_CUB01A00	A,TM	RU78	0	12	S	0	12	S	0	12	S	1	12	S						0	S																2006 Roanoke Basin TMDL
4A-CUB-CHA04-SSWCD	VAC-L37R_CUB01A00	CMON	RU78										5	37	IN/O																							Southside SWCD Station - Level II Coliscan Category 3C
4A-CUB-CHA05-SSWCD	VAC-L37R_CUB01A00	CMON	RU78										5	37	IN/O																							Southside SWCD Station - Level II Coliscan Category 3C
4A-CUB-CHA06-SSWCD	VAC-L37R_CUB01A00	CMON	RU78										4	35	IN/O																							Southside SWCD Station - Level II Coliscan Category 3C
4A-CUB-CHA07-SSWCD	VAC-L37R_CUB02A06	CMON	RU79										4	37	IN/O																							Southside SWCD Station - Level II Coliscan Category 3C
4A-CUB-CHA09-SSWCD	VAC-L37R_CUB02A06	CMON	RU79										6	37	IN/O																							Southside SWCD Station - Level II Coliscan Category 3C
4ADAN001.18	VAC-L73L_DAN07A04	C,SS	RD76																						0	S	3	IM	3	IM								VDH Fish Adv. PCB & Mercury Dan River within the state of Virginia from the Brantley Steam Plant Dam in Danville downstream to the confluence with Roanoke River on John. H. Kerr Reservoir, including its tributaries Hyco River up to Rt. 738 bridge and Banister River up to the Banister Dam. These river segments comprise ~67 miles. (10/27/99; modified 12/13/04; mercury, 8/31/07; modified 9/16/08) 2007 FT Sampling PCB 3 Species Hg 3 Species
4ADAN012.51	VAC-L64R_DAN05A98	C	RD51																				0	S	0	S	0	S	2	IM								VDH Fish Adv. 02 FT/Sed PCB 3 Sp.
4ADAN012.82	VAC-L64R_DAN05A98	C,SS	RD51																						0	S			1	IM								VDH Fish Adv. 00 FT/Sed PCB 3 Sp.
4ADAN013.34	VAC-L64R_DAN05A98	C,SS	RD51																				0	S	0	S	3	IM	6	IM								VDH Fish Adv. PCBs & Mercury Dan River within the state of Virginia from the Brantley Steam Plant Dam in Danville downstream to the confluence with Roanoke River on John. H. Kerr Reservoir, including its tributaries Hyco River up to Rt. 738 bridge and Banister River up to the Banister Dam. These river segments comprise ~67 miles. (10/27/99; modified 12/13/04; mercury, 8/31/07; modified 9/16/08) 99 FT/Sed PCB 7 Sp. 2007 FT Sampling PCB 5 Species & DDT 1 Species Hg 3 Species OE - Pb 1 Species Possible Delist for DDE & DDT

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ADAN015.30	VAC-L64R_DAN05A98	A,C,SS,TR	RD51	0	41	S	0	41	S	0	41	S	9	35	IM						0	S	0	S	0	S			1	IM									VDH Fish Adv. 99 FT/Sed PCB 2 Sp. Trend Analysis Performed - Statistically significant trends were detected for Nitrogen Oxides (declining), Nitrogen (declining), and Total Phosphorous (declining)
4ADAN017.44	VAC-L64R_DAN04A98	C,SS	RD51																				0	S	0	S	0	S	1	IM								VDH Fish Adv. 99 FT/Sed PCB 2 Sp.
4ADAN027.56	VAC-L62R_DAN03A98	FPM,B	RD46	0	1	W	0	1	W	0	1	W	0	1	W					0	W	0	W			0	W				J							2011 Large River Probmon Large river non-target for current DEQ sampling techniques. No assessment tool available for large river benthic communities.
4ADAN028.90	VAC-L62R_DAN02A98	A,TR	RD46	0	41	S	0	41	S	0	41	S	10	36	IM						0	S																
4ADAN042.80	VAC-L60R_DAN01A00	A,TM	RD41	0	12	S	0	12	S	0	12	S	1	12	S						0	S																VDH Fish Adv.
4ADAN052.99	VAC-L60R_DAN02A00	A	RD39																																		VDH Fish Adv. Formerly Station 53.35
4ADAN053.40	VAC-L60R_DAN03A02	A	RD39	0	17	S	0	17	S	0	15	S	1	12	S																						
4ADAN054.03	VAC-L60R_DAN02A00	C,SS	RD39																						0	S	4	IM	4	IM								2007 FT Sampling PCB 4 Species Hg 4 Species OE - As 1 Species VDH Fish Advisory - PCBs & Mercury Dan River within the state of Virginia from the Brantley Steam Plant Dam in Danville downstream to the confluence with Roanoke River on John. H. Kerr Reservoir, including its tributaries Hyco River up to Rt. 738 bridge and Banister River up to the Banister Dam. These river segments comprise ~67 miles. (10/27/99; modified 12/13/04; mercury, 8/31/07; modified 9/16/08)
4ADAN075.22	VAC-L57R_DAN04A00	A,SS,TR	RD32	0	41	S	0	41	S	0	39	S	3	36	S						0	S																Trend Analysis Performed - Statistically significant trends were detected (TN, decreasing & TP, decreasing)
4ADAN169.57	VAW-L42R_DAN01A00	A	RD02	2	9	IM	0	9	S	0	9	S	1	9	IN						0	S																No additional data beyond the 2008 IR. 2002 Temp °C Listed (3/19) Class V- All exceeds occur in July. Bacteria TMDL Study U.S. EPA Approved 12/08/2008. Fed ID 35748. SWCB approved 4/28/2009.
4AMCH000.53	VAW-L54R_MCH01A10	A,B	RD26	0	3	S	0	3	S	0	3	S	0	1	IN					0	S	0	S								IM							3 surveys 2008 & 2009. Avg. VSCI 24.0.
4AMCR004.60	VAW-L26R_MCR01A00	A,TM	RU53	0	36	S	0	35	S	0	35	S	13	36	IM						0	S																Little Otter River Bacteria TMDL Study U.S. EPA approved on 02/02/2001. Fed ID 1547 / 9486 / 19639 / 24557 / 24780. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 3/27/2007. Originally 303(d) Listed 1996 for FC.
4AMDL000.34	VAW-L04R_MDL01A06	TM	RU14	0	3	S	0	3	S	0	3	S	0	3	IM						0	S																2010 and 2008 assessments find E.coli exceeds in 4/12- 'IM'.
4AMDL001.42	VAW-L04R_MDL01A06	C	RU14																				0	S	9	O	0	S	0	S								'06 FT/Sed lead (Pb) detected 1 sp.; 2006 sediment exceeds PEC SV (22,800 ppb) Total PAH @630,744 ppb; Fluorene (536) @1,553; PHH (1170) @80,285; ATH(845) @6,917; FTH (2230) @142,843; Pyrene (1520) @97,618; Benz(a) ATH (1050) @38,936; Chrysene (1290) @56,285 & Benzo(a) Pyrene (1450) @28,119.
4AMDL002.93	VAW-L04R_MDL01A06	A,B	RU14	0	4	S	0	4	S	0	4	S	0	1	IN					0	IN	0	S	0	S						IM							4 VSCI surveys 2007 FPM, 2009. Avg. VSCI 20.1. No Sediment PEC exceedances from 2007 data; metals only. No additional data beyond the 2012 IR (7 surveys Avg. VSCI 24.3).
4AMDL-1-SOS	VAW-L04R_MDL01A06	CMON	RU14																												HP							SOS 13 surveys 2007-2012 [3C] Lv. 2. Four surveys Outside Acceptable Season Range.
4AMEE002.38	VAW-L09R_MEE01A00	B,TM	RU23	0	4	S	0	4	S	0	4	S																			IM							4 surveys 2010-2011. Avg. VSCI 57.4.
4AMEE004.90	VAW-L09R_MEE01A00	A,TR	RU23	0	36	S	0	36	S	0	36	S	15	35	IM						0	S																Maggodee Creek Bacteria TMDL Study U.S. EPA approved 4/27/2001 [Fed ID 1562 / 9475]. SWCB approved 6/17/2004. Lower Blackwater River Bacteria Implementation Plan SWCB approved 9/27/2006. Originally 303(d) Listed 1996 for FC.
4AMEE009.86	VAW-L09R_MEE03A00	A	RU23	0	36	S	0	36	S	0	36	S	14	36	IM						0	S																Maggodee Creek Bacteria TMDL Study U.S. EPA approved 4/27/2001 [Fed ID 1562 / 9475]. SWCB approved 6/17/2004. Lower Blackwater River Bacteria Implementation Plan SWCB approved 9/27/2006. Originally 303(d) Listed 1996 for FC.
4AMEE021.13	VAW-L09R_MEE05A00	A	RU23	7	36	IM	0	36	S	1	36	S	6	35	IM						0	S																Re-Listed 2012 Bacteria. 2008 E.coli Partial delist (4.4 mi.) Bacteria TMDL Study APPROVED 4/27/01. Imp Pan APPROVED 9/27/2006. Bacteria (FC) '98 Listed station.
4AMEE-1-SOS	VAW-L09R_MEE04A00	CMON	RU23																												MP							SOS 8 surveys 2010-2012 [3C] Lv. 2. Two surveys Outside Acceptable Date Range.
4AMEE-2-SOS	VAW-L09R_MEE05A00	CMON	RU23																												LP							SOS 8 surveys '10 [3D] Lv. 2. Two surveys Outside Acceptable Date Range.
4AMEE-T1a-FC	VAW-L09R_MEE01A00	CMON	RU23																														6	IN				SML TP stream - 'W' No additional data beyond 2012 IR.
4AMEE-T1-FC	VAW-L09R_MHA01A00	CMON	RU23																														12	IN				SML TP stream - 'W' No additional data beyond 2012 IR.
4ASDA009.79	VAW-L14R_SDA02A00	TM	RU29	0	12	S	0	12	S	0	11	S	5	11	IM						0	S																No additional data beyond the 2010 IR where E.coli exceeds in 10 / 23. Pigg River (Storey Creek) TMDL Study U.S. EPA approved on 9/11/2006 [Fed ID 30412]. SWCB approved 6/27/2007. Pigg River Bacteria Implementation Plan SWCB approved 12/13/2010. Originally 303(d) Listed 1996 for FC.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ASDE002.18	VAC-L70R_SDE01A12	FPM,B	RD63	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S									IM							2012 FPM This site is on private property and was sampled as part of the Probabilistic Monitoring program, therefore it will not be revisited. The stream had relatively unstable banks and increased sediment deposition. There was a large beaver dam just downstream of the reach in fall 2012 in addition to several smaller beaver dams throughout the sampling reach.
4ASDE002.65	VAC-L70R_SDE01A12	FPM,B	RD63	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W							J							2010 FPM 4ASDE002.65 has VSCI scores close to the impairment cutoff of 60. Further sampling is required to accurately assess this waterbody.
4ASEE003.16	VAW-L23R_SEE01A00	A,B,TM	RU49	0	36	S	0	36	S	0	36	S	5	35	IM						0	S									W							1 VSCI survey 2008-Low flow impacts. Not assessed. Bacteria TMDL Study APPROVED 2/2/01.
4ASEN000.40	VAC-L31R_SEN01A00	A,B	RU61	0	15	S	0	15	S	0	15	S	0	12	S						0	S	0	W	0	S					FS							Ambient Sediment Sample 2007-2008 Bio 4ASEN000.40 exhibits seasonal variability and is affected by sedimentation. However, the more recent data indicate support of the aquatic life use narrative water quality standard.
4ASFD-T5-FC	VAW-L10R_SFD01A02	CMON	RU24																													6	IN					SML TP stream - 'W' No additional data beyond 2012 IR.
4ASHB-1-SOS	VAW-L51R_SHB01A12	CMON	RD20																											LP							SOS 2 surveys '09 & '10 [3D] Lv. 2. One survey Outside Acceptable Season Range.
4ASHR000.24	VAW-L03L_SHR01A06	A,L	RU09	0	244	S	2	127	S	1	14	S	0	7	S						0	S													0	1		Spring Hollow Reservoir pooled data: Temp 0 / 244 (S); DO 2 / 127 (S); pH 1 / 14 (S); CHLa 0 / 1 (IN); No additional data.
4ASKS002.80	VAC-L64R_SKS01A08	A	RD50	0	11	S	0	11	S	0	11	S	2	11	IM						0	S																2014 - New EC Impairment
4ASLA001.52	VAC-L40R_SLA01A06	A,SS	RU87	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																
4ASLA002.69	VAC-L40R_SLA01A06	SS	RU87																																		2006 - TP = 2/9 OE (2010 No New Data)
4ASLC002.75	VAC-L62R_SLC01A04	A	RD43	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																
4ASMI003.58	VAC-L79R_SMI01A08	A	RL16	0	9	S	1	12	S	1	12	S	3	12	IM						0	S																2014 - Delist for DO and pH
4ASMR004.14	VAW-L45R_SMR01A00	A,TM	RD09	0	19	S	0	18	S	0	19	S	4	17	IM						0	S																No additional data beyond the 2008 IR- E.coli 4 /17. 2004 Bacteria Listed. 2/16- 'IM'.
4ASMR004.17	VAW-L45R_SMR01A00	C	RD09																									1	IM	0	S							'07 FT mercury (Hg) [Apx E-1] 2 sp.
4ASMR016.09	VAW-L45R_SMR04A14	A,TM	RD09	0	36	S	0	35	S	0	36	S	11	36	IM						0	S																2010 IR E.coli 15/41- 'IM'. Dan River Bacteria TMDL Study is U.S. EPA approved on 12/08/2008. Fed ID 35757. SWCB approved 4/28/2009.
4ASMR017.72	VAW-L43R_SMR02A02	FPM,B	RD09	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							VAW05547-351- 2 surveys 2007. Avg. VSCI 68.8. No Sediment PEC exceedances from 2007 data; metals only.
4ASMR023.52	VAW-L43R_SMR02A02	FPM,B	RD06	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							VAW05547-143- 2 surveys 2008. Avg. VSCI 73.4. No Sediment PEC exceedances from 2008 data; metals only.
4ASMR027.44	VAW-L43R_SMR02A02	A	RD06	0	12	S	0	11	S	0	12	S	4	12	IM						0	S																No additional data beyond 2010 IR. Dan River Bacteria TMDL Study is U.S. EPA approved on 12/08/2008. Fed ID 35757. SWCB approved 4/28/2009.
4ASMR031.11	VAW-L43R_SMR03B02	A,B	RD06	0	3	S	0	3	S	0	3	S																			FS							3 surveys 2009-2010. Avg. VSCI 65.3.
4ASMR033.98	VAW-L43R_SMR04A00	A	RD06	3	12	IM	0	11	S	1	12	S	2	12	IM						0	S																No additiional data beyond the 2010 IR. 2006 Temp De-list returned with 2010 assessment.
4ASNA000.20	VAC-L70R_SNA01A00	A,TM	RD64	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																
4ASNA002.84	VAC-L70R_SNA01A00	FPM,B	RD64	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W							FS							2009 FPM
4ASNA012.51	VAC-L70R_SNA01A00	TM	RD64	0	12	S	0	12	S	0	11	S	1	12	S						0	S																
4ASNA015.30	VAC-L70R_SNA01B10	A,B	RD63	0	12	S	0	12	S	0	12	S	4	12	IM						0	S									FS							2008 Bio
4ASNA019.51	VAC-L70R_SNA01A00	TM	RD63	0	11	S	0	12	S	0	11	S	0	12	S						0	S																
4ASNE005.30	VAC-L69R_SNE01A00	A,B,TM	RD59	0	15	S	0	15	S	0	14	S	3	12	IM						0	S	0	S	0	S					FS							Banister River Watershed TMDL 2009 Bio
4ASNE010.46	VAC-L69R_SNE01A00	TM	RD59	0	11	S	0	12	S	0	11	S	2	12	IM						0	S																Banister River Watershed TMDL
4ADAN181.10	VAW-L42R_DAN01A00	A	RD02	3	12	IM	0	12	S	0	12	S	2	12	IM						0	S																Bacteria TMDL Study U.S. EPA Approved 12/08/2008. Fed ID 35748. SWCB approved 4/28/2009.
4ADAN183.83	VAW-L42R_DAN01A00	C	RD02																									1	O	0	S							2007 FT only. mercury (Hg) [Apx E-1] 1 sp.
4ADAN187.94	VAW-L42L_DAN02A02	A,L,C	RD01	0	133	S	0	112	S	1	14	S	0	7	S						0	S							1	O	0	S			1	2		Townes Reservoir: Temp 0 / 133; DO 0 / 112 (S); pH 1 / 14 (S); CHL A 1 / 2 (IN). 2007 FT mercury (Hg) 1 sp.
4ADAN194.10	VAW-L42L_DAN01A02	A,L	RD01	0	205	S	0	105	S	1	14	S	0	7	S						0	S													0	1		Talbott Reservoir Pooled Data: Temp 0 / 205 (S); DO 0 / 105 (S); pH 1 / 14 (S); CHLa 0 / 1 (IN). No additional data.
4ADAN196.09	VAW-L42L_DAN01A02	C	RD01																									1	IM	0	S							2007 FT only. mercury (Hg) [Apx E-1] 2 sp.
4ADAN205.79	VAW-L42R_DAN05A02	A	RD01	0	12	S	0	12	S	0	12	S	5	12	IM																							
4ADBC000.13	VAC-L62R_DBC01A98	FPM,B	RD44	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W							J							2009 FPM 4ADBC000.13 has VSCI scores close to the impairment cutoff of 60. Further sampling is required to accurately assess this waterbody.
4ADBC002.19	VAC-L62R_DBC01A98	A,TM	RD44	0	12	S	0	12	S	0	12	S	2	12	IM						0	S	0	S	0	S												Ambient Sediment Sample Dan River Basin TMDL
4ADEE000.06	VAW-L05R_DEE01A08	A,B	RU12	0	2	S	0	2	S	0	2	S																			IM							2 surveys 2012. Avg. VSCI 53.4.
4ADEE-1-SOS	VAW-L05R_DEE01A08	CMON	RU12																											MP							SOS 12 surveys 2007-2012 [3C] Lv. 2. Two surveys Outside Acceptable Season Range. Formerly coded 4ADEE-SOS.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ADEL-1-SOS	VAW-L53R_DEL01A10	CMON	RD24																												HP							SOS 1 survey '06 [3C] Lv.2. Survey Outside Acceptable Season Range.
4ADEV000.64	VAC-L77R_DEV01A14	FPM,B	RU91	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S			0	W					J							2011 FPM Spring 2011 notes: "Some bedrock in riffles. Riffles full of sediment. Recent clear-cut on LB around X continuing DS. Deer stand (active) at K. Part of stream may have been channelized long ago." Fall 2011 notes: "Landowner stated stream was almost dry two weeks ago. Pools didn't dry. Driest he'd ever seen it. Some riffles bedrock." Habitat was good, some sediment deposition evident.
4ADFF002.02	VAC-L41R_DFF02A98	A,TM	RU89	0	11	S	0	11	S	0	11	S	1	11	S						0	S																EPA Delist 2007-2008 Roanoke River PCB TMDL Sampling
4ADFF004.90	VAC-L41R_DFF01A02	A,SS	RU89	0	12	S	0	12	S	0	12	S	2	12	IM																							
4ADFF009.01	VAC-L41R_DFF01A02	A,SS	RU88	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																
4ADOG000.80	VAC-L34R_DOG01A10	A	RU71	0	12	S	0	12	S	0	12	S	2	11	IM						0	S																
4AEAS001.20	VAC-L75L_ROA05L98	C	RL09																				0	S	0	S	1	O	1	O								2006 FT/Sediment - Hg 1 Species OE - PCB 1 Species
4AECR003.02	VAW-L25R_ECR01A00	A,TM	RU51	0	24	S	0	24	S	0	24	S	11	23	IM						0	S																Bacteria TMDL Study EPA Approved 02/02/01.
4AECR007.62	VAW-L25R_ECR02A02	A	RU51	0	9	S	0	9	S	0	9	S	6	9	IM						0	S																No additional data beyond the 2008 IR. Bacteria TMDL Study EPA Approved 02/02/01.
4AECR016.66	VAW-L25R_ECR02A02	A	RU51	0	9	S	0	9	S	0	9	S	6	9	IM						0	S																No additional data beyond the 2008 IR E.coli 6/9- 'IM'. Bacteria TMDL Study EPA Approved 02/02/01.
4AEIS002.07	VAC-L36R_EIS01A06	FPM	RU75																0	W																		2003 Probabilistic Monitoring Benthic community dependent on leaf packs for habitat, some sediment deposition occurring
4AEKH000.63	VAC-L67R_EKH01A04	TM	RD61	0	12	S	0	12	S	1	11	S	0	12	S																							Banister Watershed TMDL
4AEKH003.18	VAC-L67R_EKH01A04	FPM,B	RD61	0	2	S	0	2	S	0	2	S							0	W	0	S	0	S	0	S					IM							2001 Probabilistic Monitoring 2008 Bio 4AEKH003.68 was sampled to replace 4AEKH003.18. 4AEKH003.18 was a probabilistic monitoring station located on private property. The final assessment of 4AEKH003.18 was "J", meaning more information was needed for an accurate assessment. The remoteness of this site makes future sampling at 4AEKH003.18 unlikely. The proximity of station 4AEKH003.68 to 4AEKH003.18 makes it a suitable surrogate for the assessment of both stations.
4AEKH003.68	VAC-L67R_EKH01A04	A,B	RD61	0	4	S	0	4	S	0	4	S																			IM							4AEKH003.68 was sampled to replace 4AEKH003.18. 2008/2012 Bio 4AEKH003.18 was a probabilistic monitoring station located on private property. The final assessment of 4AEKH003.18 was "J", meaning more information was needed for an accurate assessment. The remoteness of this site makes future sampling at 4AEKH003.18 unlikely. The proximity of station 4AEKH003.68 to 4AEKH003.18 makes it a suitable surrogate for the assessment of both stations.
4AELK005.44	VAW-L42R_ELK01A12	A	RD04	0	12	S	0	12	S	0	12	S	4	12	IM																							
4AELT000.86	VAW-L01R_ELT01A02	A,B	RU04	0	14	S	0	14	S	0	13	S	1	12	S						0	S									FS							2 surveys 2012. Avg. VSCI 72.3
4AENT001.64	VAC-L34R_ENT01A08	A	RU70	0	12	S	0	12	S	2	12	IM	4	11	IM						0	S																
4ATWT003.36	VAC-L39R_TWT01A98	A,B	RU84	0	4	S	0	4	S	0	4	S							0	S	0	S	0	S	0	S					IM							2004 Twitty's Creek TMDL The benthic TMDL completed in 2004 identified sediment as the stressor to the benthic community. 2008/2011 Bio 4ATWT003.36 exhibits seasonal variability.
4ATWT006.40	VAC-L39R_TWT01A98	A,B	RU84	0	4	S	0	4	S	0	4	S							0	S	0	S	0	S	0	S					IM							2004 Twitty's Creek TMDL The benthic TMDL completed in 2004 identified sediment as the stressor to the benthic community. 2008/2011 Bio 4ATWT006.40 exhibits seasonal variability.
4ATWT006.63	VAC-L39R_TWT01A98	C	RU84																				2	O	0	S	1	O	0	S								2006 FT/Sediment - Hg 1 Species (OE) Total PAH & Naphthalene in Sediment Listed in Fish Tissue and Sediment Results as 4ATWT009.63
4ATWT008.59	VAC-L39R_TWT01A98	A,B	RU84	0	1	S	0	1	S	0	1	S							0	S	0	S	0	S	0	S					IM							Reference Station - 2004 Twitty's Creek TMDL The benthic TMDL completed in 2004 identified sediment as the stressor to the benthic community. 2010 - No New Data
4ATYS001.25	VAC-L37R_TYS01A08	A	RU78	0	24	S	0	24	S	0	24	S	8	12	IM						0	S																
4AWEL000.59	VAW-L26R_WEL01A02	FPM,B	RU53	0	2	S	0	2	S	0	2	S	1	1	IN				0	S	0	S	0	S	0	S					IM							VAEQ99-586 (2005). No Sediment PEC exceedances from 2005 data.
4AWEL001.14	VAW-L26R_WEL01A02	A,B,TM	RU53	0	16	S	0	16	S	0	16	S	11	12	IM						0	S									IM							4 surveys 2011-2012. Avg. VSCI 50.2.
4AWFC002.12	VAC-L39R_WFC01A00	A,TR	RU83	0	41	S	0	41	S	0	41	S	12	36	IM						0	S																
4AWFE000.60	VAC-L62R_WFE01A08	B	RD44	0	1	W	0	1	W	0	1	W																			J							2012 Bio This stream had marginal bank stability and increased sedimentation as well as marginal habitat.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4AWFE001.57	VAC-L62R_WFE01A08	FPM,B	RD44	0	1	W	0	1	W	0	1	W	0	1	W				0	W	0	W	0	W	0	W					IM							2007 Probabilistic Monitoring 4AWFE001.57 has VSCI scores very close to the impairment cutoff score of 60. Further sampling is required to accurately assess the waterbody. This station was a former PROBMON site on private property. Downstream access to resample is limited but should be pursued.
4AWLF000.09	VAW-L21R_WLF01A08	A	RU41	0	9	S	0	9	S	0	9	S	3	9	IM						0	S																No additional data beyond the 2008 IR. Goose Creek Fed ID 24552 and its tributaries are nested within the Staunton River TMDL Watershed.
4AWLF001.20	VAW-L21R_WLF01A08	FPM,B	RU41	0	2	S	0	2	S	0	2	S	1	1	IN				0	IN	0	S	0	S							IM							VAW05547-296- 2 surveys 2010. Avg. VSCI 51.4.
4AWLN000.40	VAW-L02R_WLN01A00	TM	RU07	0	3	S	0	2	S	0	3	S	1	3	IM						0	S																No additional data beyond the 2008 IR (E.coli 13 of 27)-'IM'.
4AWMB001.07	VAC-L39R_WMB01A08	A	RU83	0	12	S	0	12	S	0	12	S	7	12	IM						0	S																
4AFAL000.92	VAC-L61R_FAL01A00	A,B,C	RD38	0	6	S	0	6	S	0	6	S	0	1	W				0	S	0	S	0	S	1	O	2	IM	0	S	IM							2002 FT/Sed C-Dane 2007 FT Sampling Hg 2 Species 2007-2008, 2011-2012 Bio 4AFAL000.92 exhibits significant seasonal variation. Additional data must be collected to accurately characterize the status of the stream community. VSCI scores from 2011 and 2012 indicate an unbalanced community with tolerant taxa dominating the samples. Sediment and nutrient enrichment are probable stressors to this reach.
4AFAL001.58	VAC-L61R_FAL01A00	A,TM	RD38	0	11	S	0	11	S	0	11	S	3	12	IM						0	S	0	S	0	S												
4AFAL005.42	VAC-L61R_FAL01A00	TM	RD38	0	12	S	0	12	S	0	12	S	5	12	IM						0	S																
4AFCA001.40	VAC-L29R_FCA01A00	A,B,TM	RU58	0	18	S	0	17	S	1	18	S	1	12	S						0	S	0	S	0	S					J							PWS Big Otter FC TMDL Approved 2007/2011/2012 Bio 4AFCA001.40 exhibits significant, drastic seasonal variation. Additional data collected in 2012 continues this trend in variability in the stream community. Habitat scores indicate poor riparian vegetation and sedimentation as likely stressors within this reach. Additional monitoring is required to accurately assess water quality within this reach.
4AFCA003.38	VAC-L29R_FCA01A00	A,B	RU58	0	2	S	0	2	S	0	2	S																			FS							2008 Bio 4AFCA003.88 exhibits seasonal variation. The majority of the watershed is agricultural with some light industry and development in the headwaters. The more recent data indicate the support of the aquatic life use water quality standard.
4AFCA010.95	VAC-L29R_FCA02A10	A,B	RU58	0	4	S	0	3	W	0	4	S																			IM							2007/2012 Bio Flow regime and the subsequent sedimentation seem to be the main stressors to the stream community. 2012 showed marked improvement. This stream will continue to be monitored in order to document improvements.
4AFGC-1-SOS	VAW-L10R_FGC01A00	CMON	RU24																											LP							SOS 3 surveys '09 & '10 [3D] Lv. 2. One survey Outside Acceptable Season Range.
4AFIN008.76	VAW-L07L_FIN01A02	A,L	RU16	0	62	S	0	31	S	0	21	S	0	7	S						0	S												0	1			Falling Cr. Reservoir Pooled Data: Temp 0 / 62 (S); DO 0 / 31 (S); pH 0 / 21 (S,B); CHLa 0 / 1 (IN). PWS. One year collection 2007 only. Recreation not assessed No Public Access. No additional data.
4AFLT002.60	VAC-L79R_FLT02A96	A,B,TR	RL14	0	45	S	0	45	S	0	45	S	4	35	IM						0	S																2008/2011 Bio Flat Creek is a very slow moving stream at rivermile 2.60. Habitat was adequate with abundant leaf packs. Field measurements indicate a slight depression of dissolved oxygen in the warmest summer months.
4AFLT003.30	VAC-L79R_FLT02A96	FPM	RL14	0	1	W	0	1	W	0	1	W	0	1	W				0	W																		2012 FPM
4AFLT008.79	VAC-L79R_FLT02A96	A,B,C	RL14	0	4	S	0	4	S	0	4	S	1	7	IM						0	S	0	S	0	S	0	S	0	S	IM							2002 Sed/FT 2004 Flat Creek TMDL The benthic TMDL completed in 2004 identified sediment as the stressor to the benthic community. No New Bacteria Data 2008/2010-2011 Bio 4AFLT008.79 has sparse habitat, effluent affected flow, and is subject to occasionally significant storm flows
4AFLT008.80	VAC-L79R_FLT02A96	TM	RL14										3	6	IM																							2014 - No New Data 2004 Flat Creek TMDL
4AFLT009.17	VAC-L79R_FLT01A00	B,TM	RL14				2	8	IM				3	7	IM																IM							2014 - No New Data 2004 Flat Creek TMDL The benthic TMDL completed in 2004 identified sediment as the stressor to the benthic community. 4AFLT009.17 is in the headwater segment of Flat Creek with several small channels. Flow regime related sedimentation seems to be negatively affecting the stream community.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4AFRV002.78	VAC-L34R_FRV01A00	A,TM	RU71	0	2	S	0	2	S	0	2	S	6	10	IM						0	S	0	S	0	S													2012 - No New Data PWS; 2004 Falling River TMDL EPA Approved 7/9/2004; Ambient Sediment Sample 2007-2008 Roanoke River PCB TMDL Sampling USGS Temperature Data Level III - 0/14
4AFRV003.07	VAC-L34R_FRV01A00	TM	RU71	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																2011-2012 IP Monitoring
4AFRV010.99	VAC-L34R_FRV04A00	A,C,TM,TR	RU69	0	42	S	0	42	S	0	42	S	15	37	IM						0	S	0	S	0	S	0	S	0	S									2004 Falling River TMDL EPA Approved 7/9/2004 Trend Analysis Performed - Statistically significant trends were detected (TN, increasing)
4AFRV017.71	VAC-L34R_FRV06A02	A,TM	RU69	0	12	S	0	12	S	0	12	S	6	12	IM						0	S																2004 Falling River TMDL EPA Approved 7/9/2004
4AFRV025.34	VAC-L32R_FRV01A06	TM	RU66	0	12	S	0	12	S	0	12	S	4	12	IM																							2004 Falling River TMDL EPA Approved 7/9/2004
4AFRV029.24	VAC-L32R_FRV01A06	TM	RU65										7	11	IM																							2014 - No New Data 2004 Falling River TMDL EPA Approved 7/9/2004
4AFRY006.08	VAW-L18R_FRY01A06	A,B	RU37	0	2	S	0	2	S	0	2	S																			IM							2 surveys 2011. Avg. VSCI 40.4. (former FPM VAEQ99-281).
4AFSF000.66	VAC-L33R_FSF01A06	TM	RU67										3	10	IM																							2014 - No New Data 2004 Falling River TMDL EPA Approved 7/9/2004
4AFSF004.02	VAC-L33R_FSF01A06	FPM	RU67																0	W																		2005 Probabilistic Monitoring Good riffles, some sediment in pools. Ambient water quality data collected 0.5 miles upstream indicated acceptable nutrient concentrations and physical characteristics.
4AFSF004.56	VAC-L33R_FSF01A06	A	RU67	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																
4AFSF011.11	VAC-L33R_FSF01A06	TM	RU67										5	11	IM																							2014 - No New Data
4AGCR000.01	VAW-L08R_GCR01A00	A,TM,TR	RU21	2	24	IM	0	24	S	0	23	S	3	24	IM						0	S																South Fork Blackwater River TMDL Bacteria Study & Allocations U.S. EPA approved 2/02/2001 [Fed. ID 1886/7791]. Bacteria Implementation Plan SWCB approved 6/17/2004. 2010 temperature De-list. Re-Listed 2012 for temperature. No additional data 2014.
4AGEO006.26	VAC-L68R_GEO01B14	FPM,B	RD57	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S			0	W					J							2011 FPM Good banks, somewhat embedded with marginal sediment deposition
4AGEO011.38	VAC-L68L_GEO01A02	L	RD57	0	45	S	0	22	S	1	45	S	0	12	S						0	S	0	S	0	S									0	2		2003 & 2007 Georges Creek Reservoir
4AGER001.17	VAC-L63R_GER01A08	A	RD47	0	12	S	0	12	S	0	12	S	5	12	IM						0	S																
4AGIB000.66	VAC-L71R_GIB01A08	A	RD67	0	6	S	1	6	S	0	5	S	2	6	IM						0	S																2014 Delist
4AGIL002.39	VAW-L11L_GIL01A10	A,L	RU25	0	530	S	7	246	S	0	77	S	0	38	S						0	S																Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS. VDH Fish Consumption Advisory (PCB).
4AGIL004.46	VAW-L11R_GIL01A00	A,TM,TR	RU25	0	36	S	0	36	S	0	36	S	16	36	IM						0	S			0	S												Gills Creek Bacteria TMDL Study U.S. EPA approved on 5/31/2002 [Fed ID 9472 / 18765]. SWCB approved 6/17/2004. Lower Blackwater River Implementation Plan SWCB approved 9/27/2006. Originally 303(d) Listed 1996 for FC. '04 sediment PCB only.
4AGIL008.30	VAW-L11R_GIL01A00	A	RU25	0	24	S	0	24	S	0	24	S	12	24	IM						0	S																Gills Creek Bacteria TMDL Study U.S. EPA approved on 5/31/2002 [Fed ID 9472 / 18765]. SWCB approved 6/17/2004. Lower Blackwater River Implementation Plan SWCB approved 9/27/2006. Originally 303(d) Listed 1996 for FC.
4AGIL023.22	VAW-L11R_GIL03A02	A	RU25	0	23	S	0	23	S	0	23	S	11	23	IM						0	S																Gills Creek Bacteria TMDL Study U.S. EPA approved on 5/31/2002 [Fed ID 9472 / 18765]. SWCB approved 6/17/2004. Lower Blackwater River Implementation Plan SWCB approved 9/27/2006. Originally 303(d) Listed 1996 for FC.
4AGIL-13-1-FC	VAW-L11L_GIL01A10	CMON	RU25										0	18	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4AGIL-13-2-FC	VAW-L11L_GIL01A10	CMON	RU25										0	18	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4AGIL-1-SOS	VAW-L11R_GIL01A00	CMON	RU25																												LP							SOS 8 surveys '07, '08, '09 & '10 [3D] Lv. 2. Four surveys Outside Acceptable Season Range.
4AGIL-2-SOS	VAW-L11R_GIL01A00	CMON	RU25																												HP							SOS 1 survey '10 [3C] Lv. 2.
4AGIL-3-SOS	VAW-L11R_GIL03A02	CMON	RU25																												HP							SOS 4 surveys '09 & '10 [3C] Lv. 2.
4AGIL-4-USPS	VAW-L11R_GIL01A00	USPS	RU25	0	29	S	0	26	S	0	28	S																										Lv. 3
4AGIL-G12-FC	VAW-L11L_GIL01A10	CMON	RU25																															18	IN		18		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AGIL-G13-FC	VAW-L11L_GIL01A10	CMON	RU25																															18	IN		18		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AGIL-G14-FC	VAW-L11L_GIL01A10	CMON	RU25																															18	IN		18		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AGIL-G15-FC	VAW-L11L_GIL01A10	CMON	RU25																															18	IN		18		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AGIL-G16-FC	VAW-L11L_GIL01A10	CMON	RU25																															18	IN		18		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AGIL-G18-FC	VAW-L11L_GIL02A10	CMON	RU25																															18	IN		18		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4AGIL-T0-FC	VAW-L11R_GIL02A02	CMON	RU25																													18	IN				SML TP stream - 'W' No additional data beyond 2012 IR.
4AGIL-T2-FC	VAW-L11R_GIL01A00	CMON	RU25																													18	IN				SML TP stream - 'W' No additional data beyond 2012 IR.
4AGLA000.20	VAW-L05R_GLA01A00	A,TM	RU13	0	12	S	0	12	S	1	12	S	4	12	IM						0	S															No additional data beyond the 2010 IR. Glade Creek Bacteria TMDL US EPA Approved 8/05/2004 Fed ID: 24779. SWCB approved 12/02/2004. Originally 303(d) Listed in 1998 for FC.
4AGLA004.39	VAW-L05R_GLA01A00	A,TM	RU13	0	3	S	0	3	S	0	3	S	0	3	IM						0	S															No additional data beyond the 2008 IR where E.coli exceeds in 10 / 18- 'IM'. Glade Creek Bacteria TMDL US EPA Approved 8/05/2004 Fed ID: 24779.
4AGLA-10-RVTU	VAW-L05R_GLA01A00	CMON	RU13	0	3	S							0	3	IN																						RVTU Temp Lv.3 / E.coli [3D] Lv. 2.
4AGLA-1-RVTU	VAW-L05R_GLA04A00	CMON	RU13	0	3	S							0	3	IN																						RVTU Temp Lv. 3/E.coli Lv. 2.
4AGLA-2-SOS	VAW-L05R_GLA01A00	CMON	RU13																												LP						SOS 8 surveys '05, '06, '07, '08, & '09 [3D] Lv.2. Three surveys Outside Acceptable Season Range.
4AGLA-3-RVTU	VAW-L05R_GLA04A00	CMON	RU13	0	3	S							0	3	IN																						RVTU Temp Lv. 3/E.coli Lv. 2.
4AGLA-3-SOS	VAW-L05R_GLA02A00	CMON	RU13																												LP						SOS 7 surveys '05, '06, '07 & '08 [3D] Lv. 2. Three surveys Outside Acceptable Season Range.
4AGLA-4-RVTU	VAW-L05R_GLA04A00	CMON	RU13	0	3	S							0	3	IN																						RVTU Temp Lv. 3/E.coli Lv. 2.
4AGLA-4-SOS	VAW-L05R_GLA01A00	CMON	RU13																												W						SOS 3 surveys '07 Lv. 2. One survey Outside Acceptable Season Range- not assessed.
4AGLA-5-RVTU	VAW-L05R_GLA03A00	CMON	RU13	0	3	S							2	3	IN																						RVTU Temp Lv. 3/E.coli Lv. 2.
4AGLA-5-SOS	VAW-L05R_GLA03A00	CMON	RU13																												LP						SOS 2 surveys '07 & '11 [3D] Lv. 2. One survey Outside Acceptable Season Range.
4AGLA-8-RVTU	VAW-L05R_GLA02A00	CMON	RU13	0	3	S							0	3	IN																						RVTU Temp Lv. 3/E.coli Lv. 2.
4AGLA-9-RVTU	VAW-L05R_GLA02A00	CMON	RU13	0	3	S							0	3	IN																						RVTU Temp Lv. 3/E.coli Lv. 2.
4AGLA-SOS	VAW-L05R_GLA01A00	CMON	RU13																												LP						SOS 2 surveys 2010 [3D] Lv. 2.
4AGND000.02	VAW-L04R_GND01A10	TM	RU14	0	2	S	0	1	IN	0	2	S																	0	S							ROA TM SPMD 'S' (2008). Roanoke R. PCB TMDL Study US EPA approved 4/9/2010. SWCB approved 12/9/2010. Fed IDs: L04R Roanoke River 24537, 38552, 38632, 38633, 38634, 38635, 38636.
4AGNF-1-SOS	VAW-L11R_GNF01A02	CMON	RU25																												LP						SOS 5 surveys "09 & '10 [3D] Lv. 2. Three surveys Outside Acceptable Season Range.
4AGOB003.86	VAW-L51L_GOB02A06	A,L	RD20	0	62	S	0	33	S	0	20	S	0	8	S						0	S												1	2		Fairystone Lake: Temp 0 / 62 (S); DO 0 / 33 (S); pH 0 / 20 (S); CHL A 1 / 2 (IN insufficient samples).
4AGOB005.18	VAW-L51R_GOB01A08	A,C	RD20	0	12	S	0	12	S	0	12	S	2	12	IN						0	S					1	IM	0	S							2007 FT only. Mercury (Hg) [Apx E-1] 1 sp. 5 fish. No additional data beyond the 2008 IR.
4AGOB-FS-CB-SP	VAW-L51L_GOB02A06	NONA	RD20										1	21	S																						E.coli Lv. 3 (8 samples Lv. 2 Non-VELAP) Total Samples 29
4AGOB-FS-DC-SP	VAW-L51L_GOB02A06	NONA	RD20										1	3	IN																						E.coli Lv. 3
4AGOB-FS-LB-SP	VAW-L51L_GOB02A06	NONA	RD20										1	21	S																						E.coli Lv. 3 (8 samples Lv. 2 Non-VELAP) Total Samples 29
4AGOB-FS-LLB-SP	VAW-L51L_GOB02A06	NONA	RD20										0	3	S																						E.coli Lv. 3
4AGOB-FS-RB-SP	VAW-L51L_GOB02A06	NONA	RD20										1	21	S																						E.coli Lv. 3 (8 samples Lv. 2 Non-VELAP) Total Samples 29
4AGOB-FS-RRB-SP	VAW-L51L_GOB02A06	NONA	RD20										0	3	S																						E.coli Lv. 3
4AHYC002.70	VAC-L74R_HYC01A00	A,C,SS	RD74	0	24	S	2	24	S	0	24	S	0	24	S						0	S	0	S	0	S	3	IM	3	IM							VDH Fish Adv. PCB & Mercury Dan River within the state of Virginia from the Brantley Steam Plant Dam in Danville downstream to the confluence with Roanoke River on John. H. Kerr Reservoir, including its tributaries Hyco River up to Rt. 738 bridge and Banister River up to the Banister Dam. These river segments comprise ~67 miles. (10/27/99; modified 12/13/04; mercury, 8/31/07; modified 9/16/08) 2007 FT Sampling PCB 3 Species Hg 3 Species OE - As 1 Species
4AHYC010.76	VAC-L74R_HYC02A06	C,SS	RD72																						0	S			0	S							00 FT/Sed
4AHYC016.70	VAC-L74R_HYC02A06	A,TR	RD70	0	41	S	0	41	S	0	41	S	8	36	IM						0	S															
4AHYC021.14	VAC-L74R_HYC02A06	C,SS	RD70																						0	S			0	S							00 FT/Sed
4AIND-1-SOS	VAW-L07R_IND01A02	CMON	RU18																												LP						SOS 2 surveys '09 & '10 [3D] Lv. 2
4AIND-3-1-FC	VAW-L07L_IND01A10	CMON	RU18										0	18	S																						FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4AIND-3-2-FC	VAW-L07L_IND01A10	CMON	RU18										0	18	S																						FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4AIND-CR21.2-FC	VAW-L07L_IND01A10	CMON	RU18																													18	IN		18		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AIND-CR21-FC	VAW-L07L_IND01A10	CMON	RU18																													18	IN		18		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AIND-T20-FC	VAW-L07R_IND01A02	CMON	RU18																													18	IN				SML TP stream - 'W' No additional data beyond 2012 IR.
4AINN-1-SOS	VAW-L02R_INN01A12	CMON	RU06																												MP						SOS 4 surveys 2009-2010 [3D] Lv. 2. One survey Outside Acceptable Season Range.
4AIVV002.00	VAW-L42R_IVV01A02	FPM,B	RD01	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS						VAW05547-307- 2 surveys 2010. Avg. VSCI 72.2.
4AJHN000.01	VAW-L26R_JHN01A00	B,TM	RU54	0	6	S	0	6	S	0	6	S	2	4	IN				0	IN	0	S	0	S							IM						PWS. 3 VSCI surveys 2008 &2011-2012. Avg. VSCI 48.6. No Sediment PEC exceedances from 2008 data; metals only. FC TMDL Surface observations; FC stirred Bottom observations 2/2-W. Bacteria TMDL Study APPROVED 02/02/01.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4AJNS000.64	VAC-L28R_JNS01A02	TM	RU57																																		PWS; TMDL Surface Observation; Big Otter FC TMDL Approved 2006 FC bacteria: 1/1 = IN
4AJOL-1-SOS	VAW-L11R_JOL01A02	CMON	RU25																												LP							SOS 6 surveys '07, '08, '09 & '10 [3D] Lv. 2. Five surveys Outside Acceptable Season Range.
4AJOL-2-USPS	VAW-L11R_JOL01A02	USPS	RU25	0	29	S	0	26	S	0	28	S																										Lv. 3
4AJOL-3-USPS	VAW-L11R_JOL01A02	USPS	RU25	0	27	S	0	25	S	0	27	S																										Lv. 3
4AJOR000.02	VAW-L53R_JOR01A06	A	RD24	0	12	S	0	12	S	0	12	S	5	12	IM						0	S																No additional data beyond the 2008 IR where E.coli exceed 7 / 21- 'IM'. Dan River Bacteria TMDL U.S. EPA approved 12/08/2008. Fed ID: 35756. SWCB approved 4/28/2009. There are no additional data beyond the 2008 assessment.
4AJSR000.53	VAC-L70R_JSR01A08	TM,B	RD64	0	2	S	0	2	S	0	2	S									0	S									J							2010 Bio 4AJSR000.53 exhibits significant seasonal variation. Additional data must be collected to accurately characterize the status of the stream community.
4AJUM-CR24-FC	VAW-L07L_JUM01A10	CMON	RU18																													18	IN		17			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AJUM-T15-FC	VAW-L07R_JUM01A02	CMON	RU18																													18	IN					SML TP stream - 'W' No additional data beyond 2012 IR.
4AKTT001.15	VAC-L78R_KTT01A12	A	RL11	0	12	S	4	12	IM	0	12	S	2	11	IM						0	S																
4ALAW002.33	VAC-L61R_LAW01A04	C	RD38																				0	S	0	S	0	S	0	S								02 FT/Sed
4ALAW002.43	VAC-L61R_LAW01A04	A,B	RD38	0	14	S	0	14	S	0	14	S	2	12	IM						0	S									J							2009 Bio 4ALAW002.43 exhibits significant seasonal variation. Additional data must be collected to accurately characterize the status of the stream community.
4ALBC-1-SOS	VAW-L06R_LBC01A08	CMON	RU15																												LP							SOS 4 surveys '05 [3D] Lv. 2. One survey Outside Acceptable Season Range. Formerly coded 4ALBC-SOS.
4ALBT003.07	VAW-L51R_LBT01A06	A,B	RD20	0	2	S	0	2	S	0	2	S									0	S									FS							2 surveys 2012. Avg. VSCI 77.8. (former FPM VAEQ-426).
4ALCC000.59	VAC-L66R_LCC01A08	A	RD55	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																
4ALCK000.38	VAW-L05R_LCK01A00	A,TM	RU13	0	12	S	0	12	S	0	12	S	5	12	IM						0	S																Bacteria TMDL Study Approved 08/05/2004. No additional data beyond the 2010 IR where E.coli excursions are found in 21 of 46 E.coli samples.
4ALCK002.17	VAW-L05R_LCK01A00	TM	RU13	0	3	S	0	3	S	0	3	S	1	3	IM						0	S																No additional data beyond 2008 IR where E.coli exceeds in 9 /18- 'IM'. Tinker Creek Bacteria TMDL US EPA approved 8/05/2004; Fed ID: 24540. SWCB Approved 12/02/2004. Originally 303(d) Listed in 2002 for FC.
4ALDR002.61	VAW-L42R_LDR01A02	A	RD03	1	9	IN	0	9	S	0	9	S	3	9	IM						0	S																Bacteria TMDL Study U.S. EPA Approved 12/08/2008. Fed ID 35748. SWCB approved 4/28/2009.
4ALDR004.50	VAW-L42R_LDR01A02	A	RD03	1	10	IN	0	10	S	0	10	S	2	9	IM						0	S																Bacteria TMDL Study U.S. EPA Approved 12/08/2008. Fed ID 35748. SWCB approved 4/28/2009.
4ALFF001.85	VAC-L76R_LFF01A00	A,B	RD77	0	14	S	0	14	S	0	14	S	5	12	IM						0	S									IM	6	14	O				2010 Bio Sedimentation and STP effluent have negatively affected the benthic community. 2006 - 8/20 OE for TP
4ALHT000.70	VAC-L30R_LHT01A06	TM	RU62										5	11	IM																							2006 Roanoke Basin TMDL
4ALIZ003.42	VAC-L81R_LIZ01A10	A	RL22	0	11	S	0	11	S	0	11	S	6	11	IM						0	S																
4ALLE005.22	VAW-L08R_LLE03A00	A,B,TM,TR	RU22	0	40	S	0	40	S	0	39	S	21	36	IM						0	S									IM							2 VSCI surveys (2010). Middle Blackwater River Bacteria TMDL Study U.S. EPA approved on 12/04/2001 [Fed. ID 1887 / 1889 / 9633]. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 6/17/2004. Originally 303(d) Listed in 1998 (2002) for FC
4ALNE006.56	VAC-L77R_LNE01A98	A,TR	RU92	0	41	S	1	41	S	0	41	S	9	36	IM						0	S																
4ALNE013.64	VAC-L77R_LNE02A06	SS	RU92	0	1	W	0	1	W	0	1	W									0	S										1	1	IN				Chase City WWTP Special Study
4ALNE013.84	VAC-L77R_LNE02A06	SS	RU92	0	1	W	0	1	W	0	1	W									0	S																Chase City WWTP Special Study 2006 FC bacteria: 1/1 = IN
4ALOL000.62	VAC-L74R_LOL01A06	SS,TM	RD72	0	12	S	0	12	S	0	12	S	1	12	IM						0	S																2014 Delist Candidate 2011 TMDL Monitoring
4ALOR007.20	VAW-L26R_LOR01A00	FPM,B	RU54	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							IM							VAW05547-120 (2007). No Sediment PEC exceedances from 2007 data metals only.
4ALOR007.94	VAW-L26R_LOR01A00	C	RU54																				0	S	0	S	1	IM	1	IM								PWS. '06 FT mercury (Hg) [Apx E-1] 2 sp.; no sediment PEC exceedances. Outside Data Window: '02 FT PCB [Apx E-1] 1 sp.; Sed no exceedances. '99 FT PCB Apx E-1] 3 sp. Sed no exceedances.
4ALOR008.64	VAW-L26R_LOR01A00	A,B,TM	RU54	0	25	S	0	25	S	0	25	S	7	24	IM				0	S	0	S									IM							1 survey 2008. VSCI 56.5. No additional data beyond the 2010 IR. Bacteria TMDL Study U.S. EPA Approved 2/02/01.
4ALOR008.93	VAW-L26R_LOR01A00	FPM,B	RU54	0	2	S	0	2	S	0	2	S	0	1	IN						0	S									IM							2 surveys 2012. Avg. VSCI 38.1.
4ALOR012.20	VAW-L26R_LOR02A00	B,TM	RU54	0	2	S	0	2	S	0	2	S																			IM							2 VSCI surveys (2008).
4ALOR014.33	VAW-L26R_LOR03A00	A,B	RU54	0	4	S	0	4	S	0	4	S	2	3	IM						0	S									IM							2 surveys 2011-2012. Avg. VSCI 49.2.
4ALOR014.75	VAW-L26R_LOR04A00	A,B,TM,TR	RU54	0	42	S	0	42	S	0	42	S	10	36	IM						0	S									IM							2 VSCI survey (2006 & 2008). Bacteria TMDL Study U.S. EPA Approved 02/02/01. Trend Analysis.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ALOR021.92	VAW-L26R_LOR04A00	TM	RU54	0	12	S	0	12	S	0	12	S	10	12	IM						0	s																No additional data beyond the 2010 IR. Little Otter River Bacteria TMDL Study is U.S. EPA approved on 02/02/2001. Fed ID 1547 / 9486 / 19639 / 24557 / 24780. SWCB approved 6/17/2004. Bacteria Implementation Plan SWCB approved 3/27/2007. Originally 303(d) Listed 1996 for FC.
4ALOS-8-APCO	VAW-L12L_LOS01A10	NONA	RU27																0	S																	10 Cu samples (2005 - 2009) Lv. 3 - Louse Cr. (SML) No additional data.
4ALOS-9-1-FC	VAW-L12L_LOS01A10	CMON	RU27										0	18	S																						FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4ALOS-9-2-FC	VAW-L12L_LOS01A10	CMON	RU27										0	18	S																						FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4ALOU001.16	VAC-L37R_LOU01A06	TM	RU79										4	12	IM																						2006 Roanoke Basin TMDL
4ALRO001.15	VAC-L39R_LRO01A00	C	RU82																				0	S	0	S	0	S	0	S							2006 FT/Sediment Station Listed as 4AROC011.75
4ALRO003.34	VAC-L39R_LRO01A00	A	RU82	0	12	S	0	12	S	0	12	S	1	12	S						0	S																Flow below 7Q10 on 6-25-02 & 8-12-02 (02065500)
4ALRO010.18	VAC-L39R_LRO02A10	A,B	RU81	0	2	S	0	2	S	0	2	S																			IM						2012 Bio This stream had good habitat, a good riparian zone, and relatively stable banks. There was some sediment deposition occurring.
4ALRO010.68	VAC-L39R_LRO02A10	FPM,B	RU81	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W	0	W					IM						2007 Probmon 4AROC010.68 exhibited high seasonal variation. The spring sample half the taxa of the fall sample and both samples were dominated by tolerant taxa (Hydropsychidae in the spring and Chironomidae in the fall).
4ALRV005.17	VAC-L34R_LRV01A00	TM	RU70										5	11	IM																						2004 Falling River TMDL EPA Approved 7/9/2004
4ALRV007.84	VAC-L34R_LRV01A00	A	RU70	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																2014 Delist for pH
4ALRV009.74	VAC-L34R_LRV03A06	A	RU70	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																
4ALRV013.53	VAC-L34R_LRV04A12	A	RU70	0	12	S	0	12	S	1	12	S	4	12	IM						0	S																
4ALSN001.04	VAC-L64R_LSN02A02	A,C	RD50																		0	S					0	S	1	O							
4ALSN007.45	VAC-L64R_LSN01A98	A,TM	RD50	0	12	S	2	12	IM	0	12	S	3	12	IM						0	S													2	12		Dan River TMDL Study
4ALUB000.12	VAC-L37R_LUB01A06	TM	RU77										4	12	IM																						2006 Roanoke Basin TMDL
4A-LUB-CHA08-SSWCD	VAC-L37R_LUB01A06	CMON	RU77										6	35	IN/O																						Southside SWCD Station - Level II Coliscan Category 3C
4ALVL001.11	VAW-L07L_LVL01A10	A,L	RU16	0	9	S	0	8	S	0	9	S	0	9	S						0	S																Smith Mtn. Lake Pooled Data: Temp 2 / 15,739 (S); DO 367 / 7,408 (S); pH 31 / 1,246 (S); TP 0 / 2 (S); CHLa 0 / 2 (S).
4ALVL-1-SOS	VAW-L07R_LVL01A02	CMON	RU16																												LP						SOS 4 surveys '08, '09 & '10 [3D] Lv. 2. Three surveys Outside Acceptable Season Range.
4ALVL-CR26-FC	VAW-L07L_LVL01A10	CMON	RU16																													18	IN		18		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ALVL-T18-FC	VAW-L07R_LVL01A02	CMON	RU16																													18	IN				SML TP stream - 'W' No additional data beyond 2012 IR.
4ALVL-T19-FC	VAW-L07R_LVL01A02	CMON	RU16																													14	IN				SML TP stream - 'W' No additional data beyond 2012 IR.
4ALWD002.54	VAW-L56R_LWD01A00	A,TM	RD29	0	22	S	0	22	S	0	22	S	8	22	IM						0	S																No additional data beyond the 2008 IR where E.coli exceeds in 8 / 31-'IM'. Dan River Bacteria TMDL U.S. EPA approved 12/08/2008. Fed ID: 35753. SWCB approved 4/28/2009. 2008 E.coli exceeds GM 2/5 calcs-'IM'. Bacteria (FC) 2002 Listed 3/23 >1000; FC 2004 3/18 >400.
4ALWD011.03	VAW-L56R_LWD03A00	A	RD27	0	12	S	0	12	S	0	12	S	6	12	IM						0	S																2008 IR E.coli exceeds in 8 / 21-'IM'. Dan River Bacteria TMDL U.S. EPA approved 12/08/2008. Fed ID: 35753. SWCB approved 4/28/2009. Station Bacteria (E.coli) 2006 Listed 2/9.
4ALWF004.32	VAW-L56R_LWF01A00	A	RD28	0	12	S	0	12	S	0	12	S	6	12	IM																						No additional data beyond the 2012 IR. Dan River Bacteria TMDL U.S. EPA approved 12/08/2008. Fed ID: 35753. SWCB approved 4/28/2009.
4ALWF007.13	VAW-L56R_LWF01A00	FPM,B	RD28	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS						VAW05547-127- 2 surveys 2007. Avg. VSCI 65.3. No Sediment PEC exceedances from 2007 data; metals only.
4ALYA000.60	VAC-L80R_LYA01A06	TM	RL18										5	9	IM																						2006 Great Creek TMDL
4ALYH000.17	VAC-L19R_LYH01A02	TM	RU48	0	1	W	0	1	W	0	1	W									1	O																2007-2008Roanoke River PCB TMDL Sampling PCB Violation - 34,673 pg/L
4ALYH000.22	VAC-L19R_LYH01A02	SS,TM	RU48																						1	O											2000 PCB Altavista/Hurt Soil & Sediment SS
4ALYH000.26	VAC-L19R_LYH01A02	SS	RU48																						1	O											2000 PCB Altavista/Hurt Soil & Sediment SS
4ALYH000.33	VAC-L19R_LYH01A02	SS	RU48																						1	O											2000 PCB Altavista/Hurt Soil & Sediment SS
4ALYH000.37	VAC-L19R_LYH01A02	SS	RU48																						0	S											2000 PCB Altavista/Hurt Soil & Sediment SS
4ALYH000.50	VAC-L19R_LYH01A02	A,B	RU48	0	15	S	0	15	S	0	15	S	9	11	IM																	IM					2008/2012 Bio 4ALYH000.50 is located in a city park with significant impervious surface coverage in the riparian zone.
4ALYT003.77	VAC-L78R_LYT01A06	A,B,TR	RL10	0	46	S	1	46	S	0	46	S	9	36	IM						0	S										IM					2005-2012 Bio 4ALYT003.77 was negatively affected by drought in 2007-2008, with periods of very low flow. Logging in the upgradient watershed appears to have negatively affected the benthic community.
4AMAY018.17	VAW-L48R_ZZZ01A00	A	RD13	0	9	S	0	8	S	0	9	S	3	9	IM						0	S																2008 Listed Bacteria (E.coli) 3/9- 'IM'. Station located in North Carolina. Dan River Bacteria TMDL U.S. EPA approved 12/08/2008 Fed ID: 35748. SWCB approved 4/28/2009.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4AMBY001.33	VAW-L54R_MBY01A10	FPM,B	RD26	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							IM							VAW05547-175- 2 surveys 2008. Avg. VSCI 46.8. No Sediment PEC exceedances from 2008 data; metals only.
4AMCC002.05	VAC-L81R_MCC01A14	A,B	RL21	0	2	S	0	2	S	0	2	S																			J							2012 Bio Spring 2012: "Failing banks. Small, incised stream, some clay. Gravel riffles with some cobble." Fall 2012 "Recent clear-cut on right bank. Very low flow. Failing banks."
4AMCG000.56	VAC-L57R_MCG01A06	FPM,B	RD32	0	1	W	0	1	W	0	1	W							0	W											FS							2003 Probabilistic Monitoring SPMD Station 2008 Bio 4AMCG000.56 exhibited strong seasonal variation in 2003. Additional data collected in 2008 indicate the support of the aquatic life use water quality standard.
4AMES004.78	VAC-L79R_MES01A98	A	RL13	0	12	S	0	12	S	0	12	S	1	12	S						0	S																
4AMES007.54	VAC-L79L_MES01L00	L,C	RL13	0	35	S	1	17	S	0	30	S	0	7	S						0	S														0	1		2004 Lake Gordon Only one sample year Delist DO based on new nutrient criteria 2006 FT/Sediment - Hg 2 Species
4AMEY000.40	VAC-L35R_MEY02A06	TM	RU68										8	11	IM																							2004 Falling River TMDL EPA Approved 7/9/2004
4AMEY010.46	VAC-L35R_MEY02A06	A,TM	RU68	0	12	S	0	12	S	0	12	S	6	12	IM																							2004 Falling River TMDL EPA Approved 7/9/2004
4AMEY016.00	VAC-L35R_MEY01A00	A,B,TM	RU68	0	5	S	0	4	S	0	5	S	1	1	IM				0	S	0	S	0	S	0	S					IM	4	15	O				2004 Falling River TMDL EPA Approved 7/9/2004 2006 - 5/22 TP OE 2007-2008 Bio Agricultural watershed influences in addition to a small POTW several miles upstream.
4AMRR000.02	VAW-L55R_MRR01A00	A,TM	RD25	0	23	S	0	22	S	1	23	S	7	24	IM						0	S																Dan River Bacteria TMDL U.S. EPA approved 12/08/2008. Fed ID: 35753. SWCB approved 4/28/2009. Bacteria (FC) 2002 Listed 5/23 >1000; FC 2004 >400 4/29.
4AMRY000.82	VAC-L64R_MRY01A04	A,B,TM	RD48	0	14	S	0	14	S	0	14	S	6	12	IM						0	S									J							2010 Bio 4AMRY000.82 exhibits significant seasonal variation. Additional data must be collected to accurately characterize the status of the stream community.
4AMSN000.53	VAW-L04R_MSN01A00	A,B	RU10	0	2	S	0	2	S	0	2	S																			IM							2 VSCI surveys (2005).
4AMSN000.60	VAW-L04R_MSN01A00	C	RU10																				0	S	10	O	0	S	0	S								'06 FT/Sed lead (Pb) detected 2 sp.; sediment exceeds PEC SV (22,800 ppb) Total PAH @1,043,572 ppb; NAP (561) @975; Fluorene (536) @9,185; PHH (1170) @269,831; ATH(845) @33,016; FTH (2230) @217,171; Pyrene (1520) @129,934; Benz(a) ATH (1050) @53,566; Chrysene (1290) @69,972 & Benzo(a) Pyrene (1450) @26,736.
4AMSN000.67	VAW-L04R_MSN01A00	TM	RU10	0	13	S	0	13	S	0	13	S	2	12	IM														1	O								No additional data beyond the 2008 IR.
4AMSN003.05	VAW-L04R_MSN01A00	A,B	RU10	0	2	S	0	2	S	0	2	S																			IM							2 VSCI surveys (2005).
4AMSN-1-SOS	VAW-L04R_MSN02A00	CMON	RU10																												LP							SOS 1 survey 2008 [3D] Lv. 2.
4AMSN-4-SOS	VAW-L04R_MSN01A00	CMON	RU10																												LP							SOS 1 survey 2011 [3D] Lv. 2.
4AMSP000.96	VAW-L02R_MSP01A10	FPM,B	RU06	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S	0	S					FS							VAW05547-116 (2007). 2 surveys 2007. Avg. VSCI 65.6. No 2007 sediment PEC SV exceedances from 2007 data; metals only.
4AMTR010.33	VAW-L49R_MTR01A02	A	RD14	0	9	S	0	9	S	0	9	S	3	9	IM						0	S																2008 Bacteria Listed (E.coli) 3/9- 'IM'. Dan River Bacteria TMDL U.S. EPA approved 12/08/2008 Fed ID: 35748. SWCB approved 4/28/2009.
4AMUR001.82	VAW-L04R_MUR01A00	A,B	RU14	0	3	S	0	3	S	0	3	S																			IM							3 VSCI surveys (2009 & 2010). Avg. VSCI 19.4.
4AMUR-B-SOS	VAW-L04R_MUR01A00	CMON	RU14																												HP							SOS 6 surveys 2007-2010 [3C] Lv. 2. One survey Outside Acceptable Season Range.
4AMWW004.53	VAW-L22R_MWW01A10	A	RU43	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																No additional data beyond the 2010 IR.
4AMYO001.59	VAC-L74R_MYO01A04	C	RD71																						0	S			0	S								00 FT/Sed
4AMYO001.87	VAC-L74R_MYO01A04	C	RD71																								1	O	0	S								2007 FT Sampling OE - Hg 1 Species
4ANCH-1-SOS	VAW-L51R_NCH01A12	CMON	RD19																												LP							SOS 1 survey '09 & '10 [3D] Lv.2. One survey Outside Acceptable Season Range.
4ANFA000.35	VAC-L73R_NFA01A06	A	RD75	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																
4ANMR002.60	VAW-L46R_NMR01A00	A,C	RD12	0	36	S	0	35	S	1	36	S	12	36	IM						0	S					0	S	0	S								2004 Bacteria Listed. 3/25-IM. '07 FT no exceedances; no sediment collection. Dan River Bacteria TMDL U.S. EPA approved 12/08/2008. Fed ID: 35754. SWCB approved 4/28/2009.
4ANOT001.06	VAW-L24R_NOT01A02	A,TM	RU50	0	36	S	0	36	S	0	36	S	11	35	IM						0	S																Bacteria TMDL Study EPA Approved 02/02/01.
4ANUT001.50	VAC-L75L_ROA05L98	C	RL08																				0	S	0	S	1	O	1	O								2006 FT/Sediment - Hg 1 Species (OE - Exceeds 1.1ppm) OE - PCB 1 Species
4AORE000.01	VAW-L04R_ORE01A00	FPM,B	RU14	0	2	S	0	2	S	0	2	S	1	1	IN								1	O							IM							2 surveys 2011. Avg. VSCI 23.3. 2011 sediment finds lead (Pb) exceeding the PEC SV of 128 ppm at 168 ppm.
4AORE000.19	VAW-L04R_ORE01A00	A,TM	RU14	0	12	S	0	12	S	0	12	S	6	12	IM						0	S																No additional data beyond the 2008 IR E.coli 23/36). Roanoke River Bacteria TMDL US EPA approved 8/02/2006. SWCB approved 6/27/2007. NESTED.
4AOWC002.35	VAC-L13R_OWC01A00	TM	RU38										3	6	IM																							

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4AOWC004.37	VAC-L13R_OWC01A00	FPM	RU38																0	W																		2001 Probabilistic Monitoring Fine sediment affected riffle habitat as indicated by the substrate and embeddedness scores. A possible cause of the sediment is upstream agriculture and silviculture landuse on Old Womans Creek and its tributaries. Stream banks and riparian buffers on both sides in this reach were in excellent condition, providing shade and food for aquatic organisms in the form of leaves and woody debris.
4AOWC004.61	VAC-L13R_OWC01A00	B	RU38	0	1	W	0	1	W	0	1	W																			FS							The recent drought might have had an impact on the benthic community as well as previous land use. Upon further investigation, it was learned that cattle density and access to the stream had been greater than during the time of this survey when pasture activity was low.
4AOWC005.36	VAC-L13R_OWC01A00	A,B	RU38	0	3	S	0	3	S	0	3	S	2	3	IM				0	S	0	S									FS							The dominant land use in this watershed is forest; however, this reach is potentially impacted by non-point source pollution from agricultural and silviculture land use. Despite the possible impact to stream habitat from fine sediment deposition, the benthic community, which was collected using a multi-habitat sampling method (sampling woody debris and vegetation), does not appear to be affected.
4APBB000.63	VAW-L03R_PBB01A08	C	RU09																				0	S	10	O	0	S	0	S								'06 FT no exceedances; sediment excds PEC SV (22800 ppb) Total PAH @1,429,419 ppb; NAP (561) @2216; Fluorene (536) @12,425; PHH (1170) @304,603; ATH(845) @39,599; FTH (2230) @315,651; Pyrene (1520) @194,411; Benz(a) ATH (1050) @78,713; Chrysene (1290) @101,489 & Benzo(a) Pyrene (1450) @42,233.
4APCP-1-SOS	VAW-L10R_PCP01A02	CMON	RU24																												LP							3 surveys 2011-2012 [3D] Lv. 2. One survey Outside Acceptable Date Range.
4APCP-CB20-FC	VAW-L10L_PCP01A10	CMON	RU24																														18	IN		18			FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. No additional data beyond 2012 IR.
4APCP-T4-FC	VAW-L10R_PCP01A02	CMON	RU24																														18	IN					SML TP stream - 'W' No additional data beyond 2012 IR.
4APDA000.35	VAC-L64R_PDA01A10	A,B	RD51	0	4	S	0	4	S	0	4	S																			IM							2008 & 2012 Bio Flow regime related sedimentation seems to be negatively affecting the stream community. 4APDA000.35 is located in a highly urban/industrial watershed.
4APDD001.13	VAC-L65R_PDD01A12	A	RD54	0	12	S	0	12	S	0	12	S	1	12	S						0	S																
4APDE002.12	VAC-L66R_PDE01A10	A	RD55	0	12	S	0	12	S	0	11	S	4	12	IM						0	S																
4APEC002.42	VAC-L71R_PEC01A04	A,B	RD65	0	14	S	0	14	S	0	14	S	3	12	IM						0	S									J							2014 - New EC Impairment 2009 Bio 4APEC002.42 has VSCI scores close to the impairment cutoff of 60. Further sampling is required to accurately assess this waterbody.
4APEC006.49	VAC-L71R_PEC01A04	A,B	RD65	0	14	S	0	14	S	0	14	S	2	12	IM						0	S	0	S	0	S					J							Ambient Sediment Sample 2009 Bio 4APEC006.49 has VSCI scores very close to the impairment cutoff score of 60. Further sampling is required to accurately assess the waterbody.
4APEE000.48	VAW-L04R_PEE01A02	TM	RU14																										1	O							VDH Fish Consumption Advisory (PCB). ROA TM SPMD 'OE' (2008 1/1).
4APEE001.04	VAW-L04R_PEE01A02	A,C,TM	RU14	0	2	S	0	2	S	0	2	S	1	2	IM						0	S	0	S	10	O	0	S	0	IM								No additional data beyond the 2012 IR where E.coli 2/14- 'IM'. VDH Fish Consumption Advisory (PCB). Roanoke R. PCB TMDL Study US EPA approved 4/9/2010. Fed ID: 38634. SWCB approved 12/9/2010. '06 FT no exceedances; 2006 sediment exceeds PEC SVs: Total PAH (22,800 ppb) @665,468 ppb; NAP (561) @592; Fluorene (536) @2,238; PHH (1170) @79,342; ATH(845) @8,445; FTH (2230) @140,266; Pyrene (1520) @95,309; Benz(a) ATH (1050) @39,959; Chrysene (1290) @57,199 & Benzo(a) Pyrene (1450) @34,177. 2002 FT 4APEE000.49 1 sp. >54 ppb. 3 sp. > 20 ppb. Roanoke Bacteria TMDL US EPA approved 8/02//2006. SWCB approved 6/27/2007. E.coli 2008 11/32- 'IM'.
4APEE-1-SOS	VAW-L04R_PEE01A02	CMON	RU14																												MP							SOS 6 surveys 2009-2011 [3C] Lv. 2. Two surveys Outside Acceptable Season Range. Formerly coded 4APEE-SOS.
4APGG003.29	VAW-L13L_PGG01A02	A,C,TM	RU37	0	12	S	0	12	S	0	12	S	4	15	IM						0	S	0	S	0	S	1	O	0	S								Leesville Pooled Data; Temp 0 / 1001 (S); DO 38 / 501 (S); pH 1 / 696 (S). '06 FT mercury (Hg) [Apx E-1] 1 sp.
4APGG008.87	VAW-L18R_PGG02A00	A,TM,TR	RU37	0	24	S	0	24	S	0	24	S	7	24	IM						0	S																Pigg R. Bacteria TMDL [Fed ID 30414] EPA Approved 9/11/2006; SWCB Approved 6/27/2007. Bacteria Implementation Plan SWCB approved 12/13/2010. No additional data beyond the 2008 IR.
4APGG011.14	VAW-L18R_PGG02A00	FPM,B	RU36	0	2	S	0	2	S	0	2	S	1	1	IN				0	IN	0	S									FS							VARS11-096- 2 surveys 2012. Avg. VSCI 69.8. No 2012 sediment collection.
4APGG016.06	VAW-L18R_PGG02A00	A,TM	RU36	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																No additional data beyond the 2008 IR where E.coli exceeds in 9 / 21- 'IM'. Pigg R. Bacteria TMDL [Fed ID 30414] EPA Approved 9/11/2006; SWCB Approved 6/27/2007. Bacteria Implementation Plan SWCB approved 12/13/2010. No additional data beyond the 2008 IR.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4APGG030.62	VAW-L16R_PGG01A00	A,TM	RU32	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																No additional data beyond the 2010 IR. Pigg R. Bacteria TMDL [Fed ID 30414] EPA Approved 9/11/2006; SWCB Approved 6/27/2007. Bacteria Implementation Plan SWCB approved 12/13/2010. No additional data beyond the 2010 IR where 13 of 33 samples exceed.
4APGG042.21	VAW-L14R_PGG01A00	FPM,B	RU30	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							VAW05547-255- 2 surveys 2009. Avg. VSCI 70.2.
4APGG052.73	VAW-L14R_PGG02A00	TM,TR	RU30	0	34	S	0	34	S	1	34	S	13	35	IM						0	S																Trend Analysis. Pigg River Bacteria TMDL Study U.S. EPA approved 9/11/2006 [Fed ID 30414]. SWCB approved 6/27/2007. Bacteria Implementation Plan SWCB approved 12/13/2010. Originally 303(d) Listed 1996 for FC.
4APGG053.90	VAW-L14R_PGG02A00	FPM	RU30	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	IN	0	S	0	S														VAW05547-191 (2008). No VSCI surveys conducted. No Sediment PEC exceedances from 2008 data; metals only.
4APGG055.72	VAW-L14R_PGG02A00	TM,TR	RU30	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																No additional data beyond 2010 IR. Pigg River Bacteria TMDL Study U.S. EPA approved 9/11/2006 [Fed ID 30414]. SWCB approved 6/27/2007. Bacteria Implementation Plan SWCB approved 12/13/2010. Originally 303(d) Listed 1996 for FC.
4APGG057.85	VAW-L14R_PGG03A00	TM	RU30	0	12	S	0	12	S	1	12	S	5	12	IM						0	S																No additional data beyond 2010 IR. Pigg River Bacteria TMDL Study U.S. EPA approved 9/11/2006 [Fed ID 30414]. SWCB approved 6/27/2007. Bacteria Implementation Plan SWCB approved 12/13/2010.
4APGG063.32	VAW-L14R_PGG04A00	FPM,B	RU29	0	2	S	0	2	S	0	2	S	1	1	IN				0	IN	0	S	0	S							J							VARS11-235- 2 surveys 2011. Avg. VSCI 63.21.
4APGG068.49	VAW-L14R_PGG04A00	A,TM	RU29	0	3	S	0	3	S	0	3	S	4	6	IM						0	S																No additional data beyond 2008 IR where E.coli exceeds in 8 / 12- 'IM'. Pigg River Bacteria TMDL Study U.S. EPA approved 9/11/2006 [Fed ID 30414]. SWCB approved 6/27/2007. Bacteria Implementation Plan SWCB approved 12/13/2010.
4APGG074.87	VAW-L14R_PGG04A00	A,TM	RU29	0	12	S	0	12	S	0	11	S	7	12	IM						0	S																No additional data beyond the 2010 IR where E.coli exceeds in 12 / 24- 'IM'. Pigg River Bacteria TMDL Study U.S. EPA approved 9/11/2006 [Fed ID 30414]. SWCB approved 6/27/2007. Bacteria Implementation Plan SWCB approved 12/13/2010.
4APGG076.93	VAW-L14R_PGG05B12	FPM,B	RU29	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							IM							VAW05547-223- 2 surveys 2009. Avg. VSCI 50.5.
4APGG-1-SOS	VAW-L14R_PGG01A00	CMON	RU30																												MP							SOS 1 survey '07 [3C] Lv. 2.
4APGG-2-SOS	VAW-L14R_PGG05A02	CMON	RU29																												LP							SOS 4 surveys "09 & '10 [3D] Lv. 2. One survey Outside Acceptable Season Range.
4APGG-3-SOS	VAW-L14R_PGG04A00	CMON	RU30																												IN							1 survey 2011 [3A] Lv. 2. Insufficient data.
4APGG-4-SOS	VAW-L14R_PGG02A00	CMON	RU30																												W							1 survey 2012 [W] Lv. 2. One survey Outside Acceptable Date Range. Not assessed.
4APGG-T10-FC	VAW-L13L_PGG01A02	CMON	RU37																														18	IN					SML TP stream - 'W' No additional data beyond 2012 IR.
4APHC006.38	VAC-L82R_PHC01A00	A	RL23	0	1	W	0	1	W	0	1	W	0	1	W						0	W																
4APKP002.31	VAC-L60R_PKP01A06	A	RD39	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																
4APKP002.46	VAC-L60R_PKP01A06	A,B	RD39	0	2	S	0	2	S	0	2	S																			IM							2009 Bio 4APKP002.46 is in an urban watershed with abundant impervious surfaces. Flow regime and sedimentation seem to be affecting the benthic community negatively.
4APLP000.40	VAC-L34R_PLP01A00	A	RU71	0	3	S	0	3	S	0	3	S									0	S																
4APLP000.45	VAC-L34L_PLP01A02	L	RU71	0	57	S	1	23	S	0	57	S									0	S										0	1	IN	0	1		2002 Brookneal Reservoir Algaecide Use Only one sample year
4APOB006.35	VAC-L81R_POB01A00	A,B	RL20	0	12	S	3	12	IM	0	12	S	0	11	S						0	S									J							2009 Bio 4APOB006.35 was sampled in the spring of 2009 during a low flow event. The site was non-wadeable the following fall. Follow-up monitoring is needed within the watershed at a suitably accessible site.
4APOO001.96	VAW-L43R_POO01A02	B	RD06	0	1	IN	0	1	IN	0	1	IN																			FS							1 survey 2008. VSCI 62.7.
4APOP000.10	VAC-L77R_POP01A14	FPM,B	RU91	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S									J							2012 FPM This site had unstable banks and marginal habitat with a hardpan clay stream bottom.
4APOW000.69	VAC-L62R_POW01A08	A	RD46	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																
4APRS008.76	VAW-L42R_PRS01A02	A	RD05	0	12	S	0	12	S	0	12	S	4	12	IM																								No additional data beyond the 2012 IR.
4APWL001.11	VAC-L74R_PWL01A10	A	RD69	0	12	S	0	12	S	0	12	S	1	12	S						0	S																
4ARAB000.52	VAC-L19R_RAB01A00	A,B	RU48	0	5	S	0	5	S	0	5	S																			IM							2008 & 2012 Bio 4ARAB000.52 exhibited high seasonal variability, with one score approaching the impairment cutoff of 60. Sedimentation and elevated nutrients may be negatively affecting the stream community. Further sampling is needed to accurately assess the benthic community.
4ARAB003.64	VAC-L19R_RAB01A00	FPM,B	RU48	0	2	S	0	2	S	0	2	S	0	1					0	W	0	S									J							2012 FPM This stream had moderately unstable banks and increased sediment deposition.
4ARAC000.92	VAC-L64R_RAC01A04	A,B	RD51	0	4	S	0	4	S	0	4	S																			IM							2008 & 2012 Bio 4ARAC000.92 is located in an older suburban watershed with abundant impervious surfaces which negatively affects flows and sedimentation. There is also an unlined municipal landfill in the watershed which has historical leachate issues.
4ARAC002.13	VAC-L64R_RAC01A04	SS	RD51																																		2000 South Boston Landfill PCB Study

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ARAC002.30	VAC-L64R_RAC01A04	SS	RD51																																		2000 South Boston Landfill PCB Study
4ARAC002.45	VAC-L64R_RAC01A04	SS	RD51																																		2000 South Boston Landfill PCB Study
4ARAC002.68	VAC-L64R_RAC01A04	SS	RD51																																		2000 South Boston Landfill PCB Study
4ARBC005.44	VAW-L51R_RBC02A02	A	RD18	3	8	IM	0	6	S	0	7	S	0	9	S						0	S															2002 Temp °C Listing 2/6- IM. No additional data beyond the 2008 IR.
4AREE000.80	VAW-L53R_REE01A00	A	RD23	0	12	S	0	12	S	0	12	S	3	12	IM						0	S															2008 IR E.coli exceed 4 / 21- 'IM'. Dan River Bacteria TMDL U.S. EPA approved 12/08/2008 Fed ID: 35748. SWCB approved 4/28/2009. Bacteria (E.coli) 2008 Listed.
4ARES001.30	VAC-L39R_RES01A06	TM	RU84																																		2004 Twitty's Creek TMDL
4ARFK000.20	VAC-L66L_RFK01A06	L	RD55	0	100	S	10	44	IM	9	100	S	1	20	S						0	S													0	3		2007/2011/2012 Roaring Fork Reservoir
4ARKN003.68	VAW-L53R_RKN03A10	FPM,B	RD22	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							VAW05547-207- 2 surveys 2008. Avg. VSCI 78.3. No Sediment PEC exceedances from 2008 data; metals only.
4ARNF002.97	VAW-L02R_RNF01A00	TM	RU08	0	12	S	0	11	S	1	12	S	1	12	S						0	S															No additional data beyond the 2010 IR.
4ARNF013.60	VAW-L02R_RNF03A02	C	RU07																				0	S	7	O	1	O	0	S							Outside Data Window: '06 FT/Sed lead (Pb) detected 1 sp.; sediment exceeds PEC SV (22800 ppb) Total PAH @55606 ppb; ATH(845) @4763; FTH (2230) @9134; Pyrene (1520) @6261; Benz(a) ATH (1050) @2349; Chrysene (1290) @4104 & Benzo(a) Pyrene (1450) @3980. 2002 FT arsenic (As) [Apx E-2] 3 sp; sediment no PEC exceedances.
4ARNF013.66	VAW-L02R_RNF03A02	A,B,TM,TR	RU07	0	37	S	0	36	S	0	36	S	7	36	IM						0	S									FS							1 survey 2007. VSCI 72.6. Trend Analysis.
4ARNF015.22	VAW-L02R_RNF04A02	FPM,B	RU06	0	4	S	0	4	S	0	4	S	0	1	IN				0	IN	0	S	0	S							FS							VAW05547-319 (2010). 4 surveys 2010 & 2012. Avg. VSCI 69.2. No 2010 sediment PEC SV excursions.
4ARNF015.50	VAW-L02R_RNF04A02	A,B	RU06	0	1	IN	0	1	S	0	1	IN																			FS							1 survey 2007. VSCI 65.9.
4ARNF016.80	VAW-L02R_RNF04A02	A	RU06	0	12	S	0	12	S	0	12	S	4	12	IM																							The 2012 E.coli exceedances cause the extension of the impairment upstream and is a nested extension of the initially 2002 Listed 4ARNF013.66. No additional data beyond the 2012 IR.
4ARNF-1-SOS	VAW-L02R_RNF05A02	CMON	RU06																												W							SOS 1 survey 2010. Survey Outside Acceptable Season Range. Not assessed.
4AROA000.00	VAC-L80L_ROA08A04	L	RL18	0	125	S	6	107	S	0	125	S	0	7	S						0	S													0	2		2010/2012 Lake Gaston Pooled DO data: 7/247
4AROA004.54	VAC-L80L_ROA08A04	L,C,SS	RL18	0	102	S	1	69	S	1	102	S	0	14	S						0	S	0	S	0	S	1	O	1	IM							2010/2012 Lake Gaston Not in Lacustrine Zone Pooled DO data: 7/247 2002 FT/Sed PCBs 1 Species & Hg 1 Species; Lake Gaston 2006 FT/Sediment - Hg 1 Species, PCBs 2 Species Observed Effects
4AROA008.66	VAC-L79L_ROA07A98	L	RL14	0	88	S	0	71	S	0	88	S	0	14	S						0	S															2010/2012 Lake Gaston Not in Lacustrine Zone Pooled DO data: 7/247 4B - Renovations at Kerr Dam to aerate water discharged from dam in months when Kerr Reservoir is stratified.
4AROA012.08	VAC-L78R_ROA06A98	A,TR	RL12	0	41	S	1	41	S	0	41	S	0	37	S						0	S															Tail water of Kerr Dam and Reservoir. 4B - Renovations at Kerr Dam to aerate water discharged from dam in months when Kerr Reservoir is stratified.
4AROA018.04	VAC-L78R_ROA06A98	A,C,SS,TR	RL12	0	41	S	4	41	S	1	41	S	1	35	S						0	S							1	O							1999 FT/Sed PCBs 1 Species Trend Analysis Performed - No statistically significant trends were detected Tail water of Kerr Dam and Reservoir 4B - Renovations at Kerr Dam to aerate water discharged from dam in months when Kerr Reservoir is stratified.
4AROA018.36	VAC-L75L_ROA05L98	L,SS	RL09	0	282	S	23	190	IM	0	282	S	0	14	S						0	S													0	2		2010/2012 Kerr Reservoir Pooled DO Data: 87/903
4AROA022.52	VAC-L75L_ROA05L98	L,SS	RL09	0	277	S	9	152	S	0	277	S	0	14	S						0	S													0	2		2010/2012 Kerr Reservoir Pooled DO Data: 87/903
4AROA028.04	VAC-L75L_ROA05L98	L,C,SS	RL09	0	261	S	10	124	S	0	261	S	0	14	S						0	S	0	S	0	S	2	IM	1	IM					0	2		2010/2012 Kerr Reservoir Pooled DO Data: 87/903 2002 FT PCB 5Sp. 2006 FT/Sediment - Hg 2 Species (Exceeds 1.1ppm), PCBs 3 Species VDH Fishing Advisory for PCBs
4AROA028.44	VAC-L75L_ROA05L98	C,SS	RL07																						0	S			2	IM							1999 FT/Sed; Fall 98 PCB 6 Sp. & H epoxide 1 Sp.
4AROA032.42	VAC-L75L_ROA05L98	L	RL06	0	201	S	8	120	S	0	201	S	0	14	S						0	S													0	2		2010/2012 Kerr Reservoir Pooled DO Data: 87/903
4AROA036.59	VAC-L75L_ROA05L98	C	RL06																				0	S	0	S	1	O	1	IM							2006 FT/Sediment - Hg 1 Species (OE - Exceeds 1.1ppm), PCBs 4 Species
4AROA038.49	VAC-L75L_ROA05L98	L,SS	RU94	0	108	S	6	93	S	0	108	S	1	26	S						0	S													0	2		2010/2012 Kerr Reservoir Pooled DO Data: 87/903

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4AROA043.14	VAC-L75L_ROA05L98	L,SS	RU94	0	73	S	1	63	S	0	73	S	0	14	S						0	S													0	2		2010/2012 Kerr Reservoir Pooled DO Data: 87/903
4AROA059.12	VAC-L40R_ROA03A98	A,C,SS,TM,TR	RU87	0	43	S	0	43	S	0	43	S	6	36	IM						2	IM					4	IM	1	IM								98 FT PCB 4 Sp. &02 FT/Sed PCB 8 Sp. Trend Analysis Performed - No statistically significant trends were detected 2006 FT/Sediment - Hg 4 Species (Exceeds 1.1 ppm), As 1 Species (OE), PCBs 7 Species VDH Fish Advisory New Mercury FT Impairment 2007-2008 Roanoke River PCB TMDL Sampling PCB Violations - 1627 pg/L & 1359 pg/L
4AROA064.69	VAC-L38R_ROA02A98	FPM,B	RU80				0	1	W	0	1	W	0	1	W				0	W	0	W	0	W	0	W					FS						2008 Probmon 4AROA064.69 is a large river site. VaSCI is not applicable to large rivers. However, benthic community did not indicate an unbalanced system.
4AROA067.91	VAC-L38R_ROA02A98	A,C,SS,TM,TR	RU80	0	43	S	0	43	S	0	43	S	4	36	IM						2	IM					4	IM	1	IM								99 PCB 3 Species 2006 FT/Sediment - Hg 4 Species, PCBs 7 Species VDH Fish Advisory 2007-2008 Roanoke River PCB TMDL Sampling PCB Violations - 1336 pg/L & 1307 pg/L
4AROA090.50	VAC-L30R_ROA02A00	TM	RU64	0	3	S	0	3	S	0	3	S									2	IM			0	S												2007-2008 Roanoke River PCB TMDL Sampling PCB Violations - 1192 pg/L & 1625 pg/L
4AROA096.62	VAC-L30R_ROA02A00	C	RU64																									2	IM								PWS; VDH Fish Adv.; 00 FT Only PCB 2 Sp.
4AROA096.65	VAC-L30R_ROA02A00	SS	RU64																						4	O												"PWS; VDH Fish Adv.; 99 Sed Only
4AROA097.07	VAC-L30R_ROA03A00	C,SS	RU64																				0	S	1	O	2	IM	5	IM								PWS; VDH Fish Adv.; 02 FT/Sed 2006 FT/Sediment - Hg 2 Species (Exceeds 1.1 ppm), PCBs 5 Species New Mercury FT Impairment
4AROA097.46	VAC-L30R_ROA03A00	A,B,TM,TR	RU64	0	42	S	0	42	S	0	42	S	4	36	IM						0	S									J							PWS; VDH Fish Advisory; 2006 Roanoke Basin TMDL Trend Analysis Performed - Statistically significant trends were detected (TN, decreasing & TP decreasing & TSS, decreasing) Large river non-target for current DEQ sampling techniques; river is only wadeable at this site during periods of very low flow. USGS Temperature Data Level III - 0/3
4AROA097.76	VAC-L30R_ROA04A00	TM	RU64	0	2	S	0	2	S	0	2	S									2	IM			0	S												2007-2008 Roanoke River PCB TMDL Sampling PCB Violations - 1115 pg/L & 4304 pg/L
4AROA-10-1-FC	VAW-L07L_ROA01A10	CMON	RU19										0	18	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4AROA-10-2-FC	VAW-L07L_ROA01A10	CMON	RU26										0	18	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4AROA108.09	VAC-L30R_ROA06A00	A,C,TM	RU63	0	13	S	0	13	S	0	13	S	0	12	S				0	S	1	O	0	S	0	S	1	IM	1	IM								PWS; 98 FT/Sed PCB 6 Sp. 2006 FT/Sediment - PCBs 4 Species VDH Fish Advisory 2007-2008 Roanoke River PCB TMDL Sampling PCB Violation - 1147 pg/L
4AROA-10-APCO	VAW-L12L_ROA01A02	NONA	RU27																0	S																		10 Cu samples (2005 - 2009) Lv. 3 - Roanoke R. (SML) No additional data.
4AROA-1-1-FC	VAW-L07L_ROA04A10	CMON	RU16										0	17	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4AROA124.59	VAC-L30R_ROA06A00	A,TM	RU60	0	1	W	0	1	W	0	1	W									2	IM	0	S	0	S												PWS; VDH Fish Advisory 2007-2008 Roanoke River PCB TMDL Sampling PCB Violations - 2909 pg/L & 4466 pg/L
4AROA127.79	VAC-L19R_ROA01A00	TM	RU48	0	1	W	0	1	W	0	1	W									0	S																2007-2008 Roanoke River PCB TMDL Sampling
4AROA128.27	VAC-L19R_ROA01A00	CMON	RU48																0	S																		CVGS Hg Mercury Sampling
4AROA129.55	VAC-L19R_ROA01A00	A,C,TR	RU48	0	44	S	0	44	S	0	44	S	2	34	S						1	O					2	IM	1	IM								PWS; VDH Fish Adv.; 02 FT/Sed 2006 FT/Sediment - Hg 2 Species, PCBs 7 Species New Mercury FT Impairment 2007-2008 Roanoke River PCB TMDL Sampling High Flow Sample - 766 pg/L
4AROA-1-2-FC	VAW-L07L_ROA04A10	CMON	RU16										0	18	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4AROA131.55	VAC-L19R_ROA03A00	TM	RU46	0	3	S	0	3	S	0	3	S									0	S			0	S												2007-2008 Roanoke River PCB Sampling
4AROA134.35	VAC-L19R_ROA03A00	FPM,B	RU46	0	2	S	0	2	S	0	2	S	0	2	S				0	S	0	S	0	S	0	S					J							PWS; 2002-2003 Probabilistic Monitoring Large river non-target for current DEQ sampling techniques; river is only wadeable at this site during periods of very low flow.
4AROA136.70	VAC-L19R_ROA04A00	FPM,B	RU46	0	1	W	0	1	W	0	1	W	0	1	W				0	W	0	W	0	W	0	W					J							2008 Large River Probmon 4AROA136.70 was sampled as part of the large river PROBMON program. The VSCI is tailored to smaller rivers. This segment can be assessed when assessment techniques are refined in the future.
4AROA140.22	VAC-L19R_ROA04A00	CMON	RU46																0	S																		CVGS Hg Mercury Sampling
4AROA140.66	VAC-L13L_ROA01A02	L,C	RU38	0	358	S	15	196	S	0	224	S	0	13	S						0	S					1	O	0	S					0	2		2009/2011 Leesville Lake Pooled DO data: 24/374 2006 FT/Sediment - Hg 1 Species (OE)

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4AROA145.34	VAC-L13L_ROA01A02	L	RU38	0	282	S	9	155	S	0	196	S	0	13	S						0	S													0	2		2009/2011 Leesville Lake Pooled DO data: 24/374
4AROA153.59	VAC-L13L_ROA01A02	L	RU38	0	23	S	0	23	S	0	23	S	0	13	S						0	S																2009/2011 Leesville Lake Pooled DO data: 24/374
4AROA158.22	VAW-L12L_ROA01A02	A,L,TR	RU27	0	1582	S	5	882	S	1	80	S	0	39	S						0	S											0	2	S	0	2		Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS. VDH Fish Consumption Advisory (PCB).
4AROA163.76	VAW-L12L_ROA01A02	A,L,TR	RU27	0	1347	S	15	757	S	2	80	S	0	39	S						0	S											0	2	S	0	2		Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS. VDH Fish Consumption Advisory (PCB).
4AROA167.34	VAW-L07L_ROA01A10	A,L,TR	RU19	0	1337	S	20	608	S	1	79	S	0	39	S						0	S											0	2	S	0	2		Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS. VDH Fish Consumption Advisory (PCB).
4AROA175.63	VAW-L07L_ROA02A10	A,C,L,TR	RU19	0	1403	S	58	517	S	5	97	S	0	42	S						0	S	1	O	0	S	1	IM	1	IM								Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS. VDH Fish Consumption Advisory (PCB).
4AROA180.21	VAW-L07L_ROA03A10	A,L,TR	RU18	0	1199	S	36	458	S	8	88	S	0	41	S						0	S																Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS. VDH Fish Consumption Advisory (PCB).
4AROA183.64	VAW-L07L_ROA03A10	A,L,TR	RU18	0	857	S	43	394	S	5	89	S	0	39	S						0	S																Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS. VDH Fish Consumption Advisory (PCB).
4AROA192.55	VAW-L07L_ROA04A10	A,L,TR	RU16	0	36	S	0	35	S	0	35	S	1	36	S						0	S																2014 DELIST Bacteria. Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS. VDH Fish Consumption Advisory (PCB).
4AROA192.94	VAW-L07L_ROA04A10	A,TR	RU16	0	186	S	0	186	S	1	57	S	1	42	S						0	S																2014 DELIST Bacteria. Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS. VDH Fish Consumption Advisory (PCB).
4AROA196.05	VAW-L07L_ROA05A14	A,C,L,TR	RU16	0	127	S	0	127	S	0	55	S	5	40	IM						0	S	0	S	0	S	1	O	1	IM								Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS. VDH Fish Consumption Advisory (PCB). '06 FT/Sed PCB [Apx E-1] 5 sp.; sediment no PEC exceedances.(Note: '02 FT/Sed PCB [Apx E-1] 4 sp.; mercury (Hg) [Apx E-1] 1 sp.; sediment no PEC exceedances.)
4AROA196.98	VAW-L07L_ROA05A14	TM,L	RU14	0	1	IN	0	1	IN	0	1	IN									1	O																Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS. VDH Fish Consumption Advisory (PCB). No additional data.
4AROA198.08	VAW-L04R_ROA01A00	A,B	RU14	0	2	S	0	2	S	0	2	S																			IM							2 surveys 2010. Avg. VSCI 47.3. DEQ validation of SOS citizen monitoring.
4AROA199.20	VAW-L04R_ROA01A00	C,TM,TR	RU14	0	25	S	0	24	S	0	24	S	5	23	IM						1	IM			0	S			1	IM								PWS. ROA PCB TM 2008 two SPMD-'IM (2/2)'. VDH Fish Consumption Advisory (PCB). '06 FT PCB [Apx E-1] 3 sp. exceed.; '06 sediment no PEC exceedances. Roanoke R. PCB TMDL Study US EPA approved 4/9/2010. SWCB approved 12/9/2010. Fed IDs: L04R Roanoke River 24537, 38552, 38632, 38633, 38634, 38635, 38636. Roanoke R. Bacteria TMDL US EPA approved 8/02/2006 [Fed ID: 24538]. SWCB approved 6/27/2007.
4AROA-1-APCO	VAW-L07L_ROA01A10	NONA	RU19																0	S																10 Cu samples (2005 - 2009) Lv. 3 - Roanoke R. (SML) No additional data.
4AROA202.20	VAW-L04R_ROA05A00	A,B,C,TM,TR	RU14	0	42	S	0	41	S	0	41	S	3	34	IM						1	IM	0	S	0	S	0	S	1	IM	J							ROA PCB TM 2008 two SPMD-'IM (2/2)'. 4 VSCI surveys (2009, 2010 & 2012) Avg. score of 60.8. Remains Impaired. VAEQ99-466 (2003-2005). VDH Fish Consumption Advisory (PCB). 2004 FT/Sed [Apx E-1] 3 sp. Roanoke R. PCB TMDL Study US EPA approved 4/9/2010. SWCB approved 12/9/2010. Fed IDs: L04R Roanoke River 24537, 38552, 38632, 38633, 38634, 38635, 38636. 3 VSCI surveys (2005, 2009 & 2010). Roanoke R. Bacteria TMDL US EPA approved 8/02/2006 [Fed ID: 24538]. SWCB approved 6/27/2007.
4AROA202.32	VAW-L04R_ROA05A00	FPM,B	RU14	0	2	S	0	2	S				0	1	IN				0	S	0	S	0	S	1	O					IM							VDH Fish Consumption Advisory. VAEQ99-466 (2004 - Algal). 2004 sediment exceeds 99th percentile acenaphthene (SV 170) @ 310 ppb. EDAS coded 4AROA202.20.
4AROA204.76	VAW-L04R_ROA06A00	TM	RU14	0	2	S	0	1	IN	0	2	S									1	IM							1	IM								ROA PCB TM 2008 two SPMD-'IM (2/2)'. VDH Fish Consumption Advisory (PCB). Roanoke R. PCB TMDL Study US EPA approved 4/9/2010. SWCB approved 12/9/2010. Fed IDs: L04R Roanoke River 24537, 38552, 38632, 38633, 38634, 38635, 38636.
4AROA205.67	VAW-L04R_ROA05A00	A	RU14	0	2	S	0	2	S																												Roanoke R. PCB TMDL Study US EPA approved 4/9/2010. Fed ID: 38634. SWCB approved 12/9/2010.
4AROA205.73	VAW-L04R_ROA05A00	TM	RU14	0	12	S	0	12	S	0	12	S	1	12	IM						0	S																No additional data beyond the 2008 IR (E.coli 8/32). VDH Fish Consumption Advisory. Roanoke R. PCB TMDL Study US EPA approved 4/9/2010. [Fed ID: 38634]. SWCB approved 12/9/2010. Roanoke R. Bacteria TMDL US EPA approved 8/02/2006 [Fed ID: 24538]. SWCB approved 6/27/2007.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4AROA206.27	VAW-L04R_ROA06A00	B,TM	RU14	0	4	S	0	4	S	0	4	S																			FS							2014 DELIST Gen. Std. Benthic. 4 VSCI surveys (2009, 2010 &2012) (EDAS 4AROA206.95). Avg. VSCI 66.2. VDH Fish Consumption Advisory. Roanoke R. PCB TMDL Study US EPA approved 4/9/2010. Fed ID: 38634. SWCB approved 12/9/2010.
4AROA206.80	VAW-L04R_ROA06A00	C	RU14																				0	S	0	S	1	IM	1	IM								VDH Fish Consumption Advisory (PCB). '06 PCB [Apx E-1] 3 sp.; mercury (Hg) [Apx E-1] 2 sp.; no PEC exceedances. '02 FT PCBs [Apx E-1] 1 sp.; sediment no PEC exceedances.
4AROA207.08	VAW-L04R_ROA06A00	TM	RU14	0	2	S	0	1	IN	0	2	S									1	O							1	O								VDH Fish Consumption Advisory (PCB). ROA PCB TM 2008 SPMD (1/2)-'OE'. Roanoke R. PCB TMDL Study US EPA approved 4/9/2010. Fed ID: 38634. SWCB approved 12/9/2010.
4AROA210.56	VAW-L03R_ROA01A00	FPM,B	RU14	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							VAW05547-260 (2009). 2 surveys 2009. Avg. VSCI 61.2.
4AROA212.17	VAW-L03R_ROA02A00	A,B,TM	RU09	1	6	IM	0	5	S	0	6	S	0	3	IM						0	S							0	S	FS							2014 DELIST Gen. Std. Benthic. Insufficient Temp data to delist. VDH Fish Consumption Advisory (PCB). ROA PCB TM 2008 SPMD-'S' Two depolyments. Roanoke R. PCB TMDL Study US EPA approved 4/9/2010. SWCB approved 12/9/2010. PCB Fed IDs for: L03R- 38624, 38625, 38627, 38629, 38543, 38630. Temp (2/17- 2010 IR). 4 VSCI surveys (2009 & 2010). Avg. VSCI 64.9. No additional bacteria data beyond the 2010 IR (4/24). 2004 sediment no PEC exceedances.
4AROA212.99	VAW-L03R_ROA01A00	A	RU09	0	2	S	0	2	S																													
4AROA215.13	VAW-L03R_ROA03A00	B,TM,SS	RU09	0	6	S	0	6	S	0	6	S	0	2	S						0	S	0	S	0	S					FS							2014 DELIST Gen. Std. Benthic. VDH Fish Consumption Advisory (PCB). 4 VSCI surveys (2009-2010 & 2012). Avg. VSCI 62.9. Roanoke R. PCB TMDL Study US EPA approved 4/9/2010. SWCB approved 12/9/2010. PCB Fed IDs for: L03R- 38624, 38625, 38627, 38629, 38543, 38630. Remains impaired up & downstream exceeds. Insuffcient to delist Bacteria (2010 IR E.coli 3/12- 'IM').
4AROA219.99	VAW-L03R_ROA04A00	A	RU09	0	2	S	0	2	S																													VDH Fish Consumption Advisory (PCB). Roanoke R. PCB TMDL Study US EPA approved 4/9/2010. SWCB approved 12/9/2010. PCB Fed IDs for: L03R- 38624, 38625, 38627, 38629, 38543, 38630.
4AROA220.94	VAW-L03R_ROA04A00	TM	RU09	0	3	IM	0	3	S	0	3	S	0	3	IM						0	S																Bacteria TMDL Approved. VDH Fish Consumption Advisory (PCB). Roanoke R. PCB TMDL Study US EPA approved 4/9/2010. SWCB approved 12/9/2010. PCB Fed IDs for: L03R- 38624, 38625, 38627, 38629, 38543, 38630. No additional data beyond the 2008 IR where E.coli exceeds in 2/12- 'IM'.
4AROA224.54	VAW-L03R_ROA06A00	B,TM	RU09	0	4	S	0	4	S	0	4	S	0	3	IM						0	S	0	S							FS							PWS. 4 VSCI surveys 2009 & 2010-2012. Avg. VSCI 64.0. VDH Fish Consumption Advisory (PCB). Roanoke R. PCB TMDL Study US EPA approved 4/9/2010. SWCB approved 12/9/2010. PCB Fed IDs for: L03R- 38624, 38625, 38627, 38629, 38543, 38630. No additional E.coli data beyond the 2008 IR where E.coli exceeds 2/11- 'IM'. TM 2004 sediment OK. Station located in Spec. Std. 'hh' waters.
4AROA227.42	VAW-L03R_ROA06A00	TM,TR	RU09	0	38	S	0	36	S	1	37	S	2	36	S						0	S							0	S								VDH Fish Consumption Advisory (PCB). ROA PCB TM 2008 SPMD-'S'. Roanoke R. PCB TMDL Study US EPA approved 4/9/2010. SWCB approved 12/9/2010. Fed IDs: L04R Roanoke River 24537, 38552, 38632, 38633, 38634, 38635, 38636.Partial Delist BAC (E.coli) 2008. 2012 Temp Partial Delist. Trend Analysis.
4AROA-2-APCO	VAW-L07L_ROA01A10	NONA	RU19																0	S																		10 Cu samples (2005 - 2009) Lv. 3 - Roanoke R. (SML) No additional data.
4AROA-3-SOS	VAW-L03R_ROA01A00	CMON	RU09																												LP							SOS 6 surveys 2008-2011 [3D] Lv. 2. Five surveys Outside Acceptable Season Range- not assessed.
4AROA-5-SOS	VAW-L03R_ROA04A00	CMON	RU09																												LP							3 surveys 2009 & 2011-2012 Lv.2 [3D]. One survey outside acceptable date range.
4AROA-6-SOS	VAW-L04R_ROA08A02	CMON	RU14																												HP							SOS 1 survey 2009 [3C] Lv. 2.
4AROA-7-APCO	VAW-L12L_ROA01A02	NONA	RU27																0	S																		10 Cu samples (2005 - 2009) Lv. 3 - Roanoke R. (SML) No additional data.
4AROA-B08-FC	VAW-L07L_ROA01A10	CMON	RU19																															12	IN		12		FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. No additional data beyond 2012 IR.
4AROA-CM5-FC	VAW-L12L_ROA01A02	CMON	RU27																															17	IN		17		FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. Seechi Disk depth only. No additional data beyond 2012 IR.
4AROA-CR09.2-FC	VAW-L07L_ROA01A10	CMON	RU19																															18	IN		18		FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. No additional data beyond 2012 IR.
4AROA-CR22-FC	VAW-L07L_ROA03A10	CMON	RU18																															18	IN		17		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-M0-FC	VAW-L12L_ROA01A02	CMON	RU27																															18	IN		17		FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN; FC Lv. 3. No additional data beyond 2012 IR.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4AROA-M1-FC	VAW-L12L_ROA01A02	CMON	RU27																													16	IN		15		FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. No additional data beyond 2012 IR.
4AROA-M3-FC	VAW-L12L_ROA01A02	CMON	RU27																													16	IN		15		FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. No additional data beyond 2012 IR.
4AROA-M5-FC	VAW-L12L_ROA01A02	CMON	RU27																													16	IN		15		FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. No additional data beyond 2012 IR.
4AROA-PM2-FC	VAW-L12L_ROA01A02	CMON	RU27	0	629	S	0	19	S	0	411	S																									FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. No additional data beyond 2012 IR.
4AROA-PR11-FC	VAW-L07L_ROA02A10	CMON	RU19	0	515	S	0	27	S	0	336	S																									FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. No additional data beyond 2012 IR.
4AROA-PR19-FC	VAW-L07L_ROA03A10	CMON	RU18	0	395	S	0	27	S	12	265	S																									FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. No additional data beyond 2012 IR.
4AROA-R07-FC	VAW-L07L_ROA01A10	CMON	RU19																													17	IN		17		FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. No additional data beyond 2012 IR.
4AROA-R09-FC	VAW-L07L_ROA01A10	CMON	RU19																													18	IN		18		FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. No additional data beyond 2012 IR.
4AROA-R11-FC	VAW-L07L_ROA02A10	CMON	RU19																													17	IN		9		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-R13-FC	VAW-L07L_ROA02A10	CMON	RU19																													17	IN		10		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-R14-FC	VAW-L07L_ROA02A10	CMON	RU19																													18	IN		12		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-R15-FC	VAW-L07L_ROA02A10	CMON	RU19																													18	IN		12		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-R17-FC	VAW-L07L_ROA03A10	CMON	RU18																													18	IN		11		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-R19-FC	VAW-L07L_ROA03A10	CMON	RU18																													18	IN		11		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-R21-FC	VAW-L07L_ROA03A10	CMON	RU18																													18	IN		11		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-R23-FC	VAW-L07L_ROA03A10	CMON	RU18																													17	IN		11		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-R25-FC	VAW-L07L_ROA03A10	CMON	RU16																													18	IN		11		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-R27-FC	VAW-L07L_ROA03A10	CMON	RU16																													18	IN		12		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-R29-FC	VAW-L07L_ROA04A10	CMON	RU16																													18	IN		12		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-R30-FC	VAW-L07L_ROA04A10	CMON	RU16																													17	IN		12		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-R31-FC	VAW-L07L_ROA04A10	CMON	RU16																													17	IN		12		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-SM-BA1-SP	VAW-L07L_ROA02A10	NONA	RU19										3	38	S																						E.coli Lv. 3 (9 samples Lv. 2 Non-VELAP) Total Samples 47
4AROA-SM-BA2-SP	VAW-L07L_ROA02A10	NONA	RU19										2	38	S																						E.coli Lv. 3 (9 samples Lv. 2 Non-VELAP) Total Samples 47
4AROA-SM-BA3-SP	VAW-L07L_ROA02A10	NONA	RU19										2	38	S																						E.coli Lv. 3 (9 samples Lv. 2 Non-VELAP) Total Samples 47
4AROA-T17-FC	VAW-L07L_ROA04A10	CMON	RU16																													5	IN		0		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-T21a-FC	VAW-L07L_ROA04A10	CMON	RU16																													17	IN		0		TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROA-T9-FC	VAC-L13L_ROA03A02	CMON	RU28																													12	IN				TP not in Lacustrine Zone. No additional data beyond 2012 IR.
4AROC001.00	VAC-L39R_ROC02A06	TM	RU86	0	1	W	0	1	W	0	1	W	0	0	IM						0	S			0	S											2012 - No New Bacteria Data 2006 Roanoke River Basin Bacteria TMDL 2007-2008 Roanoke River PCB TMDL Sampling
4AROC005.35	VAC-L39R_ROC01A98	A,C	RU86	0	12	S	0	12	S	0	12	S	2	12	IM						0	S	0	S	0	S	2	IM	1	O							Flow below 7Q10 on 6-25-02 & 8-12-02 Reference Gage 02065500 2006 FT/Sediment - Hg 2 Species New Mercury FT Impairment OE - PCB 1 Species

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4AROC006.55	VAC-L39R_ROC01A98	FPM,B	RU86	0	1	W	0	1	W	0	1	W	0	1	W				0	W	0	W	0	W	0	W					FS							2006 Probabilistic Monitoring 4AROC006.55 was only wadeable in the spring of 2006. Further sampling will be improbable due to the overall depth of the stream.
4AROC006.93	VAC-L39R_ROC01A98	FPM,B	RU86	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W	0	W					J							2011 Probmon This was sampled using boatable methods and therefore cannot be assessed using the SCI. This site is on private property and was sampled as part of the Probabilistic Monitoring program, therefore it will not be revisited.
4AROL-1-SOS	VAW-L51R_ROL01A12	CMON	RD20																											LP							SOS 2 surveys '09 & '10 [3D] lv. 2. One survey Outside Acceptable Season Range.
4AROT000.08	VAW-L15R_ROT01A10	B	RU31	0	1	IN	0	1	IN	0	1	IN																			FS							1 survey 2008. VSCI 68.4. SOS validation.
4AROT-1-SOS	VAW-L15R_ROT01A10	CMON	RU31																											LP							SOS 1 survey '08 [3D] Lv. 2.
4ARSF007.07	VAW-L01R_RSF01A00	FPM,B	RU05	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							VAW05547-159- 2 surveys 2008. Avg. VSCI 60.8. 2008 sediment metals only.
4ARSF011.52	VAW-L01R_RSF03A00	C	RU05																				0	S	4	O	1	O	1	O								'06 FT/Sed PCB [Apx E-1] 1 sp.; mercury (Hg)-'OE' & 1 sp. PCB-'OE'. [Apx E-2] 1 sp.; lead (Pb) detected; sediment exceeds PEC SV (22800 ppb) Total PAH @ 36294 ppb; FTH (2230) @5648; Pyrene (1520) @4094 and Chrysene (1290) @2984.
4ARSF014.02	VAW-L01R_RSF03A00	A	RU03	3	12	IM	0	12	S	0	12	S	2	12	IM																							Extends the temperature and bacteria impairments upstream. No additional data beyond the 2012 IR.
4ARSF-2-SOS	VAW-L01R_RSF01A00	CMON	RU05																											LP							SOS 9 surveys 2007-2012 [3D] Lv. 2. Six surveys Outside Acceptable Season Range- 1 survey invalid.
4ARSL003.20	VAW-L43R_RSL01A12	A	RD07	0	12	S	0	12	S	0	12	S	7	12	IM																							NESTED Dan River Bacteria TMDL Study is U.S. EPA approved on 12/08/2008. Fed ID 35757. SWCB approved 4/28/2009.
4ARUT000.45	VAC-L60R_RUT01A12	FPM,B	RD39	0	42	S	0	4	S	0	4	S	0	1	W										0	S					IM							2009 & 2011 Bio 4ARUT000.45 is located in an older suburban watershed with abundant impervious surfaces. An historic pollution event at an upgradient industrial facility may be affecting the benthic community as well.
4ARUT002.04	VAC-L60R_RUT01A12	A,B	RD39	0	2	S	0	2	S	0	2	S																			J							2009 Bio 4ARUT002.04 is located in an older suburban watershed with abundant impervious surfaces. An historic pollution event at an upgradient industrial facility may be affecting the benthic community as well. Significant seasonal variability and a single score near the impairment cutoff of 60 warrants further sampling at 4ARUT002.04
4ASBA004.54	VAW-L21R_SBA01A08	A	RU42	0	12	S	0	12	S	0	12	S	6	11	IM																IM							Goose Creek Fed ID 24552 and its tributaries are nested within the Staunton River TMDL Watershed. No additional data beyond the 2012 IR.
4ASCB000.16	VAW-L23R_SCB01A00	A	RU49	0	11	S	0	11	S	0	11	S	2	11	IM																							No additional data beyond the 2010 IR.
4ASCB004.58	VAW-L23L_SCB01A02	A,L	RU49	0	120	S	0	67	S	2	33	S	0	13	S						0	S													1	2		Bedford (Stony Creek) Reservoir: Temp 0 / 120 (S); DO 0 / 67 (S); pH 2 / 33 (S); CHLA 0 / 1 (IN). PWS.
4ASCB005.38	VAW-L23R_SCB04A10	FPM,B	RU49	0	4	S	0	4	S	0	3	S	0	2	S				0	S	0	S	0	S							FS							VAW05547-184 4 surveys 2008-2009. Avg. VSCI 72.3. No Sediment PEC exceedances from 2008 data; metals only.
4ASCB-1-SOS	VAW-L23R_SCB01A00	CMON	RU49																											LP							SOS 1 survey '10 [3D] Lv. 2. Two surveys Outside Acceptable Season Range.
4ASCE000.26	VAC-L19R_SCE01A00	A,TM	RU47	0	13	S	0	13	S	0	13	S	0	12	S						0	S			0	S												PWS 2007-2008 Roanoke River PCB TMDL Sampling
4ASCE007.71	VAC-L19R_SCE01A00	FPM,B	RU47	0	2	S	0	2	S	0	2	S	1	1	IN				0	W	0	S			0	W					FS							2011 FPM This stream had high sedimentation but good habitat.
4ASCR000.64	VAC-L59R_SCR01A02	A	RD37	0	12	S	0	12	S	0	12	S	0	12	S																							
4ASCR003.33	VAC-L59R_SCR01A02	FPM,B	RD37	0	5	S	0	5	S	0	5	S	0	1	W				0	W	0	S	0	S	0	S					J							2008 Probmon 2011 & 2012 Bio 4ASCR003.33 exhibits significant seasonal variation. Additional data were collected in 2012. Seasonal variability continued, inversely however, with spring VSCI scores being higher. Taxa lists and habitat scores were comparable among samples. Bank scour and sediment are likely stressors within this reach.
4ASCR007.06	VAC-L59R_SCR02A02	A,TM	RD37	0	12	S	0	12	S	0	11	S	4	12	IM						0	S	0	S	0	S												
4ASDA000.67	VAW-L14R_SDA01A00	TM	RU29	0	3	S	0	3	S	0	3	S	3	6	IM						0	S																No additional data beyond the 2008 IR where E.coli exceeds in 7 / 12. Pigg River (Storey Creek) TMDL Study U.S. EPA approved on 9/11/2006 [Fed ID 30412]. SWCB approved 6/27/2007. Pigg River Bacteria Implementation Plan SWCB approved 12/13/2010. Originally 303(d) Listed 1996 for FC.
4ASDA007.24	VAW-L14R_SDA01A00	TM	RU29	0	12	S	0	12	S	0	11	S	8	12	IM						0	S																No additional data beyond the 2010 IR where E.coli exceeds in 10 / 18. Pigg River (Storey Creek) TMDL Study U.S. EPA approved on 9/11/2006 [Fed ID 30412]. SWCB approved 6/27/2007. Pigg River Bacteria Implementation Plan SWCB approved 12/13/2010. Originally 303(d) Listed 1996 for FC.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ASDA009.77	VAW-L14R_SDA01A00	TM	RU29	0	12	S	0	12	S	0	11	S	3	12	IM						0	S																No additional data beyond the 2010 IR where E.coli exceeds in 3 / 12. Pigg River (Storey Creek) TMDL Study U.S. EPA approved on 9/11/2006 [Fed ID 30412]. SWCB approved 6/27/2007. Pigg River Bacteria Implementation Plan SWCB approved 12/13/2010. Originally 303(d) Listed 1996 for FC.
4ASNW000.60	VAW-L17R_SNW01A00	TM	RU35	0	36	S	0	36	S	0	36	S	8	35	IM						0	S																Pigg R. Bacteria TMDL [Fed ID 30414] EPA Approved 9/11/2006; SWCB Approved 6/27/2007. Bacteria Implementation Plan SWCB approved 12/13/2010.
4ASNW016.24	VAW-L17R_SNW02A12	A	RU33	0	12	S	0	12	S	0	12	S	6	11	IM																							Pigg R. Bacteria TMDL [Fed ID 30414] EPA Approved 9/11/2006; SWCB Approved 6/27/2007. Bacteria Implementation Plan SWCB approved 12/13/2010. No additional data beyond the 2012 IR.
4ASOO003.12	VAW-L44R_SOO01A00	A,TM	RD08	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																Dan River Bacteria TMDL Study U.S. EPA approved on 12/08/2008. Fed ID 35757. SWCB approved 4/28/2009.
4ASOT000.99	VAW-L51R_SOT01A08	A	RD17	3	12	IM	0	12	S	0	12	S	2	12	S						0	S																2008 IR TEMP 3/8- 'IM'
4ASRE006.91	VAW-L54R_SRE01A00	FPM,B	RD30	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	IN	0	IN	0	S							IN							VARS11-024- Boatable site benthic no Index.
4ASRE007.90	VAW-L54R_SRE01A00	A,TR	RD30	0	35	S	0	34	S	0	35	S	5	36	IM						0	S																Dan River Bacteria TMDL U.S. EPA approved 12/08/2008. Fed ID: 35756. SWCB approved 4/28/2009. Bacteria (FC) 2006 Listed 6/48.
4ASRE015.43	VAW-L54R_SRE03A00	A,B,TM	RD30	0	18	S	0	18	S	1	18	S	4	20	IM						0	S									IM							11 surveys (2007-2012). Avg. VSCI 58.6. Smith River Gen. Std. - Benthic Phased TMDL. Phase I U.S. EPA approved 1/13/2011. Fed IDs: 39703, 39705 (delist), 39706 & 39707. Dan River Bacteria TMDL U.S. EPA approved 12/08/2008. Fed ID: 35756. SWCB approved 4/28/2009. Bacteria (FC) 2002 Listed >1000 (4/29); FC 2004 >400 (6/35).
4ASRE019.00	VAW-L54R_SRE03A00	A,B,TM	RD26	0	22	S	0	22	S	0	22	S	6	20	IM						0	S									IM							11 surveys (2007-2012). Avg. VSCI 54.3.
4ASRE021.58	VAW-L54R_SRE03A02	A,TM	RD26	0	9	S	0	9	S	0	9	S	4	9	IM				0	IN	0	S																No additional data beyond the 2008 IR where E.coli exceeds in 4 / 9- 'IM'. Bacteria (FC) 2002 Listed >1000 (4/29); FC 2004 >400 (6/35).
4ASRE022.30	VAW-L54R_SRE05A00	B,TM	RD26	0	20	S	0	20	S	0	19	S																			IM							11 surveys (2007-2012). Avg. VSCI 57.3. Smith River Gen. Std. - Benthic Phased TMDL. Phase I U.S. EPA approved 1/13/2011. Fed IDs: 39703, 39705 (delist), 39706 & 39707.
4ASRE022.90	VAW-L54R_SRE06A00	B,TM	RD26	0	20	S	0	20	S	0	19	S																			FS							8 surveys 2009-2012. Avg. VSCI 66.6. Benthic Delist 2012. Smith River Gen. Std. - Benthic Phased TMDL. Phase I U.S. EPA approved 1/13/2011. Fed IDs: 39703, 39705 (delist), 39706 & 39707.
4ASRE024.30	VAW-L54R_SRE06A00	B,TM	RD26	0	18	S	0	18	S	0	18	S																			FS							9 surveys 2008-2012. Avg. VSCI 64.3. Benthic Delist 2012. Smith River Gen. Std. - Benthic Phased TMDL. Phase I U.S. EPA approved 1/13/2011. Fed IDs: 39703, 39705 (delist), 39706 & 39707.
4ASRE026.04	VAW-L54R_SRE06A00	A,B,C	RD26	0	3	S	0	3	S	0	3	S													1	O	1	O										'07 FT PCB [Apx E-1] 1 sp.; arsenic (As) [Apx E-2] 1 sp. 2012 Benthic Delist. No benthic collection due to saftey concerns.
4ASRE026.27	VAW-L54R_SRE06A00	A	RD26	0	12	S	0	11	S	0	12	S	1	12	S						0	S																No additional data beyond the 2008 IR. Smith River Gen. Std. - Benthic Phased TMDL. Phase I U.S. EPA approved 1/13/2011. Fed IDs: 39703, 39705 (delist), 39706 & 39707. Dan River Bacteria TMDL U.S. EPA approved 12/08/2008. Fed ID: 35756. SWCB approved 4/28/2009.
4ASRE031.00	VAW-L53R_SRE01B06	B,TM	RD24	1	18	S	0	18	S	1	18	S																			FS							9 surveys 2008-2012. Avg. VSCI 59.2. Returns to Listing 2014. 2012 Benthic Delist.
4ASRE032.38	VAW-L53R_SRE01B06	FPM,B	RD24	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							IM							VAW05547-331- 2 VSCI surveys 2010. Avg. VSCI 59.7.
4ASRE033.19	VAW-L53R_SRE01B06	A,B,TM,TR	RD24	1	59	S	0	58	S	2	59	S	8	36	IM				0	S	0	S	0	S							FS							11 surveys (2007-2012).Avg. VSCI 57.6. Trend Analysis. Dan River Bacteria TMDL U.S. EPA approved 12/08/2008. Fed ID: 35756. SWCB approved 4/28/2009.
4ASRE036.55	VAW-L53R_SRE04A00	A	RD22	0	12	S	0	12	S	0	12	S	1	12	IM						0	S																No additional data beyond the 2008 IR where E.coli exceed 3 / 21- 'IM'. Dan River Bacteria TMDL U.S. EPA approved 12/08/2008. Fed ID: 35756. SWCB approved 4/28/2009. There are no additional data beyond the 2008 assessment. Returned to impaired waters status 2006 IR.
4ASRE043.54	VAW-L52R_SRE03A00	A,TR	RD22	0	38	S	0	37	S	3	38	S	0	36	S						0	S																Trend Analysis.
4ASRE046.90	VAW-L51L_SRE01A02	A,C,L	RD22	0	804	S	0	373	S	1	54	S	0	27	S						0	S	1	O	0	S	1	IM	0	S					0	2		Philpott Reservoir Pooled Data: Temp 0 / 2,857 (S); DO 3 / 1,303 (S); pH 4 / 277 (S); CHLa 0/2 (S). 2007 FT exceeds the WQS based TV for mercury (Hg) 1 sp.; 3 individual Largemouth Bass (41.8 cm) @ 0.59; (40.9 cm) @ 0.563 and (33.2 cm) @ 0.374 ppm.
4ASRE048.98	VAW-L51L_SRE01A02	A,L	RD20	0	804	S	0	337	S	1	53	S	0	27	S						0	S													0	2		Philpott Reservoir Pooled Data: Temp 0 / 2,857 (S); DO 3 / 1,303 (S); pH 4 / 277 (S); CHLa 0/2 (S). 2007 FT exceeds the WQS based TV for mercury (Hg) 1 sp.; 3 individual Largemouth Bass (41.8 cm) @ 0.59; (40.9 cm) @ 0.563 and (33.2 cm) @ 0.374 ppm.
4ASRE052.31	VAW-L51L_SRE02A02	A,L	RD19	0	815	S	2	347	S	1	54	S	0	27	S						0	S	1	O											0	2		Philpott Reservoir Pooled Data: Temp 0 / 2,857 (S); DO 3 / 1,303 (S); pH 4 / 277 (S); CHLa 0/2 (S). 2007 FT exceeds the WQS based TV for mercury (Hg) 1 sp.; 3 individual Largemouth Bass (41.8 cm) @ 0.59; (40.9 cm) @ 0.563 and (33.2 cm) @ 0.374 ppm.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ASRE056.06	VAW-L51L_SRE03A02	A,L	RD19	0	434	S	1	246	S	1	66	S	0	38	S						0	S	1	O														Philpott Reservoir Pooled Data: Temp 0 / 2,857 (S); DO 3 / 1,303 (S); pH 4 / 277 (S); CHLa 0/2 (S). 2007 FT exceeds the WQS based TV for mercury (Hg) 1 sp.; 3 individual Largemouth Bass (41.8 cm) @ 0.59; (40.9 cm) @ 0.563 and (33.2 cm) @ 0.374 ppm.
4ASRE063.69	VAW-L51R_SRE06A00	FPM,B	RD17	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	IN	0	IN									FS							VARS11-008- 1 survey 2012. VSCI 79.7. No sediment collection.
4ASRE069.46	VAW-L51R_SRE07A00	B	RD17	0	1	IN	0	1	IN	0	1	IN																			FS							1 survey 2008. VSCI 64.4.
4ASRE075.69	VAW-L50R_SRE01A00	A,TR	RD15	9	36	IM	0	35	S	0	36	S	8	36	S						0	S																Dan River Bacteria TMDL U.S. EPA approved 12/08/2008 Fed ID: 35748. SWCB approved 4/28/2009.
4ASRE-2-SOS	VAW-L52R_SRE02A00	CMON	RD22																												HP							SOS 1 survey '06 [3C] Lv.2.
4ASRE-3-SOS	VAW-L51R_SRE07A00	CMON	RD17																												LP							SOS 11 surveys 2007-2012 [3D] Lv. 2. Four surveys Outside Acceptable Season Range.
4ASRN005.14	VAC-L39L_SRN01L00	L	RU81	0	59	S	0	37	S	0	59	S	1	21	S						0	S	0	S	0	S						0	3	S	0	3		Algaecide Use 2008-2010 Keysville Reservoir
4ASRV000.20	VAC-L58R_SRV01A00	A,SS,TM	RD36	0	12	S	0	12	S	0	11	S	2	12	IM						0	S																Dan River Watershed TMDL
4ASRV007.46	VAC-L58R_SRV02A04	A	RD36	0	12	S	0	12	S	0	11	S	0	12	S						0	S	0	S														Ambient Sediment Sample
4ASRV010.68	VAC-L58R_SRV02A04	A	RD36	0	12	S	0	11	S	0	12	S	1	12	S						0	S																
4ASRV012.19	VAC-L58R_SRV02A04	FPM	RD36																0	W												1	1	IN				2001 Probabilistic Monitoring
4ASRV015.06	VAC-L58R_SRV02A04	A,B	RD35	0	2	S	0	2	S	0	2	S																			FS							2012 Bio Habitat and taxa scores indicate a balanced community.
4ASRV018.79	VAC-L58R_SRV03A06	TM	RD35	0	11	S	0	11	S	0	11	S	1	12	S						0	S																
4ASRV022.99	VAC-L58R_SRV04A06	A,B	RD35	0	14	S	0	14	S	0	14	S	1	12	IM						0	S									FS							2014 - No New Data 2009 Bio This site was sampled as a potential reference station based on water quality data and instream habitat.
4ASRV025.40	VAC-L58R_SRV04A06	A	RD35	0	12	S	0	12	S	0	12	S	6	12	IM						0	S																
4ASRW002.32	VAC-L65R_SRW02A08	TM,B	RD52	0	2	S	0	2	S	0	2	S									0	S									IM							2011 Bio Habitat scores and taxa lists indicate sedimentation as a stressor causing an unbalanced community.
4ASSC002.98	VAC-L30R_SSC01A02	TM	RU62	0	11	S	0	11	S	0	11	S	6	12	IM																							2006 Roanoke Basin TMDL
4ASSC012.62	VAC-L30R_SSC02A12	FPM,B	RU62	0	1	W	0	1	W	0	1	W	0	1	W				0	W	0	W	0	W								J							2009 FPM - No Fall Sample 4ASSC012.62 is a probmon site on private property. High beaver activity has turned this reach of stream into a slow moving swamp. The VSCI is not tuned to assessing swamp waters. The single sample with such a low VSCI score warrants further study at a suitably accessible site within the watershed, without beaver activity.
4ASSP000.64	VAC-L58R_SSP01A06	FPM,B	RD34	0	2	S	0	2	S	0	2	S	1	1	IN				0	W	0	S										J							2012 FPM Additional data needed to accurately characterize the benthic community; however this site is on private property and was sampled as part of the Probabilistic Monitoring program, therefore it will not be revisited.
4ASSP002.44	VAC-L58R_SSP01A06	A,TM	RD34	0	12	S	0	12	S	0	12	S	0	12	S						0	S																
4ASSP004.06	VAC-L58R_SSP01A06	FPM,B	RD34	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	S								J							2009 FPM 4ASSP004.06 exhibits significant seasonal variation. Additional data must be collected to accurately characterize the status of the stream community.
4ASUC001.31	VAC-L34R_SUC01A06	A,B	RU69	0	14	S	0	14	S	0	14	S	4	12	IM						0	S										FS							2009 Bio
4ASUT000.89	VAC-L58R_SUT01A08	A,B	RD36	0	12	S	0	12	S	0	12	S	3	10	IM						0	S										FS							2010 Bio
4ASWA002.97	VAC-L58R_SWA01A08	TM	RD36	0	11	S	0	11	S	0	11	S	3	12	IM						0	S																
4ASWC-1-SOS	VAW-L07R_SWC01A02	CMON	RU18																												LP							SOS 4 surveys 2010-2011 [3D] Lv. 2.
4ASWC-CR19-FC	VAW-L07L_SWC01A10	CMON	RU18																														18	IN		18			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4ASWC-T13-FC	VAW-L07R_SWC01A02	CMON	RU18																														18	IN					SML TP stream - 'W' No additional data beyond 2012 IR.
4ASYC002.02	VAW-L50R_SYC01A12	A	RD16	0	12	S	0	12	S	0	12	S	2	12	IM																							No additional data beyond the 2012 IR.
4ATBL000.40	VAC-L28R_TRB01A02	TM	RU59																																			PWS; TMDL Surface Observation; Big Otter FC TMDL Approved **Should be TRB, not TBL 2006 FC bacteria: 1/1 = IN
4ATCC003.71	VAW-L17R_TCC01A06	TM	RU34	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																Originally Listed 2008. No additional data beyond the 2012 IR.
4ATDY000.28	VAC-L28R_TDY01A02	TM	RU59																																			PWS; TMDL Surface Observation; Big Otter FC TMDL Approved 2006 FC bacteria: 1/1 = IN
4ATEL001.02	VAW-L08R_TEL01A00	A,B,TM,TR	RU22	0	40	S	0	40	S	0	39	S	15	35	IM						0	S										IM							4 surveys 2010-2011. Avg. VSCI 58.3. Bacteria TMDL Study APPROVED 12/04/2001. Stream Flow

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ATIP002.55	VAC-L36R_TIP01A00	A,B,TM	RU74	0	5	S	0	5	S	0	5	S	4	12	IM						0	S									J							2014 - No New Bacteria Data 2006 Roanoke River Bacteria TMDL 2008/2011/2012 Bio 4ATIP002.55 exhibits significant seasonal variation. Additional data were collected in 2012 and continue the trend of variability. Spring VSCI scores are below the assessment threshold of 60 and fall scores are well above. Riparian vegetation is nearly optimal while bank scour and sediment scores are suboptimal. Sediment deposition and storm scour are likely stressors within this reach.
4ATIP008.76	VAC-L36R_TIP02A06	TM	RU74	0	11	S	0	11	S	0	11	S	6	12	IM																							2006 Roanoke Basin TMDL
4ATIP013.21	VAC-L36R_TIP02A06	TM	RU74	0	11	S	0	11	S	0	11	S	4	12	IM																							2006 Roanoke Basin TMDL
4A-TIP-CHA12-SSWCD	VAC-L36R_TIP02A06	CMON	RU74										7	37	IN/O																							Southside SWCD Station - Level II Coliscan Category 3C
4A-TIP-CHA13-SSWCD	VAC-L36R_TIP01A00	CMON	RU74										8	33	IN/O																							Southside SWCD Station - Level II Coliscan Category 3C
4A-TIP-CHA14-SSWCD	VAC-L36R_TIP02A06	CMON	RU74										9	37	IN/O																							Southside SWCD Station - Level II Coliscan Category 3C
4ATKR000.17	VAW-L05R_TKR01A00	C	RU13																				0	S	12	O	0	S	1	IM								VDH Fish Consumption Advisory (PCB). '06 FT PCB Apx [E-1] 3 sp.; lead (Pb) detected 3 sp.; sediment exceeds PEC SV (22,800 ppb) Total PAH @967,921 ppb; NAP (561) @2,065; Fluorene (536) @9,967; PHH (1170) @245,951; ATH(845) @27,045; FTH (2230) @198,509; Pyrene (1520) @119,621; Benz(a) ATH (1050) @49,951; Chrysene (1290) @64,474 & Benzo(a) Pyrene (1450) @24,755. '02 FT PCB [Apx E-1] 1 sp.; sediment - Pb (detected), C-Dane, DDD, PAH (benzo(a)pyrene).
4ATKR000.69	VAW-L05R_TKR01A00	A,B,TR	RU13	5	37	IM	0	37	S	0	36	S	13	35	IM						0	S	0	S							IM							1 VSCI survey 2008. VSCI 50.9. Tinker Creek Bacteria TMDL Study US EPA approved 8/05/2004. Fed IDs: 7787 (FC), 21671 & 21672. SWCB approved 12/02/2004. Originally 303(d) Listed in 1998 for FC. 2006 Trend Analysis.
4ATKR009.30	VAW-L05R_TKR01B06	A,C,TM	RU11	0	3	IM	0	3	S	0	3	S	1	3	IM						0	S			9	O	0	S	0	S								No additional data beyond the 2008 IR (2008 Temp 3/23- 'IM'; E.coli 10/18- 'IM'). Tinker Creek Bacteria TMDL Study US EPA approved 8/05/2004. Fed IDs: 7787 (FC), 21671 & 21672. SWCB approved 12/02/2004. Originally 303(d) Listed in 1998 for FC. '06 FT/Sed no FT exceedances; sediment exceeds PEC SV (22,800 ppb) Total PAH @236,382 ppb; Fluorene (536) @921; PHH (1170) @22,384; ATH(845) @2,787; FTH (2230) @44,248; Pyrene (1520) @30,416; Benz(a) ATH (1050) @13,807; Chrysene (1290) @19,689 & Benzo(a) Pyrene (1450) @15,409.
4ATKR010.54	VAW-L05R_TKR01B06	FPM,B	RU11	0	4	S	0	4	S	0	3	S	0	2	S				0	S	0	S	0	S							FS							VAW05547-072 (2007 & 2008). Avg. VSCI 65.5. No Sediment PEC exceedances from 2007 & 2008 data; metals only.
4ATKR014.16	VAW-L05R_TKR02A00	B	RU11	0	1	IN	0	1	IN	0	1	IN																			FS							1 survey 2008. VSCI 73.0.
4ATKR015.40	VAW-L05R_TKR02A00	FPM,B	RU11	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							VAW05547-136- 2 surveys 2007. Avg. VSCI 59.8. No Sediment PEC exceedances from 2007 data; metals only.
4ATKR015.88	VAW-L05R_TKR02A00	A,TM	RU11	0	24	S	0	24	S	0	23	S	10	24	IM						0	S																Tinker Creek Bacteria TMDL Study US EPA approved 8/05/2004. Fed IDs: 7787 (FC), 21671 & 21672. SWCB approved 12/02/2004. Originally 303(d) Listed in 1998 for FC.
4ATKR-1-SOS	VAW-L05R_TKR01B06	CMON	RU11																												LP							SOS 2 surveys 2009 & 2010 [3D] Lv.2.
4ATKR-2-SOS	VAW-L05R_TKR02A00	CMON	RU11																												LP							SOS 2 surveys 2010 [3D] Lv.2. Two surveys Outside Acceptable Season Range.
4ATKR-4-SOS	VAW-L05R_TKR01B06	CMON	RU11																												W							SOS 1 survey 2009 [3A] Lv. 2. One survey Outside Acceptable Date Range. Not assessed.
4ATKR-5-SOS	VAW-L05R_TKR02A00	CMON	RU11																												LP							SOS 10 surveys 2007-2010 [3D] Lv.2.
4ATKR-6-SOS	VAW-L05R_TKR01B06	CMON	RU11																												LP							SOS 3 surveys 2007 & 2010 [3D] Lv. 2. Two surveys Outside Acceptable Season Range.
4ATKR-7-SOS	VAW-L05R_TKR01A00	CMON	RU13																												HP							SOS 4 surveys 2009-2011 Lv. 2. [3C]. Two surveys Outside Acceptable Season Range.
4ATKR-8-SOS	VAW-L05R_TKR02A00	CMON	RU11																												LP							SOS 7 surveys 2009-2012 [3D] Lv. 2. Four surveys Outside Acceptable Season Range.
4ATMA001.46	VAW-L18R_TMA01A06	A,TM	RU36	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																No additional data beyond the 2008 IR where E.coli exceeds in 5 / 21- 'IM'. Pigg R. Bacteria TMDL [Fed ID 30414] EPA Approved 9/11/2006; SWCB Approved 6/27/2007.
4ATRB001.36	VAC-L28R_TRB01A02	A,B	RU59	0	8	S	0	8	S	0	8	S																			FS							2008/2011/2012 Bio 4ATRB001.36 exhibits significant seasonal variation. Additional data were collected in 2012 and seasonal variability had decreased. Upgradient development has occurred and may have stabilized over time.
4ATRD000.04	VAC-L58R_TRD01A06	A,B	RD34	0	14	S	0	14	S	0	14	S	2	11	IM						0	S									J							2009-2010 Bio 4ATRD000.04 exhibits seasonal variability and should be monitored again to accurately assess the waterbody.
4ATRD000.35	VAC-L58R_TRD01A06	FPM,B	RD34	0	3	S	0	3	S	0	2	S	1	2	IN				0	W	0	S	0	S	0	S					FS							2005-2006 Carryover Probabilistic Monitoring Excellent riparian zone.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4ATRO001.16	VAC-L57R_TRO01A08	A,B	RD32	0	13	S	0	13	S	0	13	S	1	12	S						0	S									J							2010 Bio 4ATRO001.16 exhibits high seasonal variability and should be sampled again to get an accurate assessment.
4ATRR001.92	VAC-L72R_TRR01A00	A,B,TM	RD66	0	16	S	0	16	S	0	16	S	4	12	IM						0	S									IM							2014 New Bacteria Impairment 2005-2006/2011-2012 Bio 4ATRR001.92 exhibits some seasonal variability near the assessment threshold. The community depends greatly on snag habitat due to scoured banks and sandy bottoms.
4A-TUR-CHA10-SSWCD	VAC-L37R_ZZZ01B14	CMON	RU78										5	37	IN/O																						
4ATWN000.22	VAW-L52R_TWN01A12	A	RD21	0	12	S	0	12	S	0	12	S	4	12	IM																							No additional data beyond the 2012 IR.
4ATWT000.32	VAC-L39R_TWT01A98	A	RU84	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																2012 - EC Impairment
4AWNN000.10	VAC-L71R_WNN01A06	FPM,B	RD67	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W							FS							2010 FPM
4AWNN000.99	VAC-L71R_WNN01A06	A	RD67	0	3	S	0	3	S	0	3	S	1	3	IM						0	S																No New Data
4AWOA002.43	VAC-L65R_WOA01A10	A	RD54	0	12	S	0	12	S	0	11	S	6	12	IM						0	S																
4AWOR-1-SOS	VAW-L04R_WOR02A08	CMON	RU14																											LP							SOS 1 survey 2007 [3C] Lv. 2.
4AWOR-2-SOS	VAW-L04R_WOR01A10	CMON	RU14																											HP							SOS 1 survey 2007 [3C] Lv. 2.
4AWPP002.53	VAC-L30R_WPP01A02	A,B,TM	RU64	0	17	S	0	17	S	0	17	S	3	12	IM																J							2006 Roanoke Basin TMDL 2008/2011/2012 Bio 4AWPP002.53 exhibits significant seasonal variation. Additional data must be collected to accurately characterize the status of the stream community. The habitat somewhat lacking, but there was plenty of large woody debris present.
4AWRN000.43	VAC-L68R_WRN01A00	A,B,TM	RD57	0	14	S	0	14	S	0	14	S	5	11	IM						0	S									J							2009 Bio 4AWRN000.43 exhibits significant seasonal variation and a VSCI score close to the impairment cutoff. Additional sampling should improve the accuracy of the assessment.
4AWRN005.50	VAC-L68R_WRN02A06	A,B,TM	RD56	0	2	S	0	2	S	0	2	S																			J							2009 Bio 4AWRN005.50 exhibits significant seasonal variation. Additional data must be collected to accurately characterize the status of the stream community. PWS
4AWRN011.05	VAC-L68R_WRN02A06	TM	RD56	0	11	S	0	12	S	0	11	S	1	12	S																							2014 - No New Data
4AWTH000.40	VAW-L12L_WTH01A10	A,L	RU27	0	1086	S	18	547	S	1	80	S	0	40	S						0	S																Smith Mtn. Lake Pooled Data: Temp 3 / 15,652 (S); DO 298 / 7,776 (S); pH 28 / 1,248 (S); TP 0 / 2 (S); CHLa 0 / 2 (S). PWS.
4AWTH-CM1.2-FC	VAW-L12L_WTH01A10	CMON	RU27																													18	IN		18			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AWTH-CM1-FC	VAW-L12L_WTH01A10	CMON	RU27																													17	IN		18			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AXCN000.31	VAC-L19R_XCN01A02	A,B	RU48	0	4	S	0	4	S	0	4	S																			IM							2008 & 2012 Bio 4AXCN000.31 appears to be negatively affected by high nutrient levels and suburban storm flows.
4AXCZ000.42	VAC-L71R_XCZ01A10	SS	RD67	0	9	S	0	9	S	0	9	S									0	S																NH3 Special Study
4AXDK000.94	VAC-L63R_XDK01A06	TM	RD47										4	11	IM																							2014 - No New Data
4AXKD003.34	VAW-L07L_XKD01A02	A,L	RU17	0	150	S	0	69	S	5	26	IM	0	13	S						0	S													0	1		Beaverdam Creek Res.: Temp 0 / 150 (S); DO 0 / 69 (S); pH 0 / 26 (S,B); CHLa 0 / 1 (IN)
4AXKF000.20	VAW-L08R_XKF01A06	TM	RU22										3	3	IM																							No additional data beyond the 2008 IR where E.coli exceeds 5 / 5- 'IM'. Middle Blackwater River Bacteria TMDL Study U.S. EPA approved 12/04/2001. SWCB approved 6/17/2004. [Fed. ID 1887 / 1889 / 9633]. Bacteria Implementation Plan SWCB approved 6/17/2004.
4AXLN000.00	VAC-L19R_XLN01A02	TM	RU48	0	2	S	0	2	S	0	2	S									1	O																2007-2008 Roanoke River PCB TMDL Sampling PCB Violation - 1,489,098 pg/L
4AXLN000.25	VAC-L19R_XLN01A02	SS	RU48																						1	O												2000 PCB Altavista/Hurt Soil & Sediment SS
4AXMA000.85	VAC-L28R_XMA01A02	TM	RU57																																			PWS; TMDL Surface Observation; Big Otter FC TMDL Approved 2006 FC bacteria: 1/1 = IN
4AXMC000.54	VAC-L40R_XMC01A06	SS	RU87	0	6	S	0	6	S	0	6	S	2	5	IM						0	S																PRO Hog Farm Special Study & Follow-up
4A-XMC-CHA03-SSWCD	VAC-L40R_XMC01A06	CMON	RU87										4	37	IN/O																							Southside SWCD Station - Level II Coliscan Category 3C
4AXMD000.07	VAC-L64R_XMD01A10	SS	RD51																		0	S			0	S												2000 South Boston Landfill PCB Study
4AXMD000.08	VAC-L64R_XMD01A10	SS	RD51																		0	S			0	S												2000 South Boston Landfill PCB Study
4AXMD000.21	VAC-L64R_XMD01A10	SS	RD51																		0	S			0	S												2000 South Boston Landfill PCB Study
4AXMD000.38	VAC-L64R_XMD01A10	SS	RD51																		0	S			0	S												2000 South Boston Landfill PCB Study
4AXME001.19	VAC-L60R_XME01A06	FPM	RD44	0	1	W	0	1	W	0	1	W							0	W	0	S	0	S	0	S									0	1	W	0	1		2001 Probabilistic Monitoring Station This site was in an impounded area of the stream (x trib to Dan River) so no benthic data was collected.
4AXMF001.46	VAC-L74R_XMF01A08	FPM,B	RD74	0	1	W	0	1	W	0	1	W							0	W											J							2001 Probabilistic Monitoring Stream was dry in the fall.
4AXMP001.26	VAW-L53R_XMP01A06	B	RD24	0	1	IN	0	1	IN	0	1	IN																			IM							1 VSCI survey (Fall 2006).
4AXMV000.63	VAW-L01R_XMV01A10	FPM,B	RU04	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							IM							VAW05547-095- 2 surveys 2007. Avg. 54.6. VSCI 2007 sediment metals only.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4AXMW001.48	VAW-L47R_XMW01A10	FPM,B	RD11	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							VARS11-101- 2 surveys 2007. Avg. VSCI 60.1. No Sediment PEC exceedances from 2007 data; metals only.
4AXNA001.18	VAW-L07R_XNA02A12	FPM,B	RU16	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							VAW05547-328- 2 surveys 2010. Avg. VSCI 61.6.
4AXNC000.10	VAW-L20R_XNC01A12	FPM,B	RU39	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							VAW05547-232- 2 surveys 2009. Avg. VSCI 72.1.
4AXNE000.48	VAW-L25R_XNE01A12	FPM,B	RU51	0	1	S	0	1	IN	0	1	IN	0	1	IN				0	IN	0	S	0	S							W							VAW05547-248 (2009). Not assessed - headwater VSCI not applicable.
4AXNJ-1-SOS	VAW-L53R_XNJ01A08	CMON	RD24																											MP							SOS 1 survey '06 [3C] Lv.2.
4AXNK-CR16-FC	VAW-L07L_XNK01A10	CMON	RU19																													18	IN		18			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AXNK-T14-FC	VAW-L07R_XNK01A10	CMON	RU19																													18	IN					SML TP stream - 'W' No additional data beyond 2012 IR.
4AXNL-4-1-FC	VAW-L07L_XNL01A10	CMON	RU19										0	17	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4AXNL-4-2-FC	VAW-L07L_XNL01A10	CMON	RU19										0	18	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4AXNM-6-1-FC	VAW-L07L_XNM01A10	CMON	RU19										0	18	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4AXNM-6-2-FC	VAW-L07L_XNM01A10	CMON	RU19										0	18	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4AXNN-CR13-FC	VAW-L07L_XNN01A10	CMON	RU19																													16	IN		17			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AXNT-CR09-FC	VAW-L07L_XNT01A10	CMON	RU19																													18	IN		18			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AXNU-CR08-FC	VAW-L07L_XNU01A10	CMON	RU19																													16	IN		17			TP and CHL a not in Lacustrine Zone. No additional data beyond 2012 IR.
4AXNW-8-1-FC	VAW-L12L_XNW01A10	CMON	RU27										0	18	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4AXNW-8-2-FC	VAW-L12L_XNW01A10	CMON	RU27										0	18	S																							FC Lv. 3 bacteria. No additional data beyond 2012 IR.
4AXNX-T8-FC	VAW-L10R_XNX01A10	CMON	RU26																													6	IN					SML TP stream - 'W' No additional data beyond 2012 IR.
4AXNY-T7-FC	VAW-L10R_XNY01A10	CMON	RU26																													18	IN					SML TP stream - 'W' No additional data beyond 2012 IR.
4AXNZ-11-1-FC	VAW-L10L_XNZ01A10	CMON	RU26										0	18	S																							FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. No additional data beyond 2012 IR.
4AXNZ-11-2-FC	VAW-L10L_XNZ01A10	CMON	RU26										0	18	S																							FC Smith Mtn. Lake pooled data: TEMP Lv. 3 0 / 2466 (S); DO Lv. 3 0 / 125 (S); PH Lv. 3 14 / 1630 (S); TP Lv. 2 (IN); CHLa Lv. 2 (IN); FC Lv. 3. No additional data beyond 2012 IR.
4AXOC-1-SOS	VAW-L07R_XOC02A10	CMON	RU19																											LP							SOS 9 surveys '07, '09 & '10 [3D] Lv. 2. One survey Outside Acceptable Season Range.
4AXOD000.38	VAW-L26R_XOD01A14	FPM,B	RU54	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							VARS11-243- 2 surveys 2011. Avg. VSCI 65.1. No sediment excursions of PEC SVs- metals only.
4AXOE001.26	VAW-L42R_XOE01A14	FPM,B	RD03	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S									FS							VARS11-101- 2 surveys 2012. Avg. VSCI 79.6. No sediment collection.
4AXOF001.26	VAW-L17R_XOF02A14	FPM,B	RU34	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S									FS							VARS11-110- 2 surveys 2012. Avg. VSCI 74.1. No sediment collection.
4AXOL000.94	VAW-L20R_XOL01A14	FPM,B	RU39	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S									J							VARS11-004- 2 surveys 2012. Avg. VSCI 50.0. No sediment collection.
4AXOM-1-SOS	VAW-L07R_XOM01A12	CMON	RU18																											HP							SOS 10 surveys 2009-2012 [3C] Lv. 2. Five surveys Outside Acceptable Season Range.
4AXON-1-USPS	VAW-L11R_XON01A12	USPS	RU25	0	27	S	0	25	S	0	26	S																										Lv. 3
4AXOO-5-USPS	VAW-L11R_XOO01A12	USPS	RU25	0	26	S	0	24	S	0	26	S																										Lv. 3
4AXSP001.93	VAW-L44R_XSP02A14	FPM,B	RD08	0	2	S	0	2	S	0	2	S	0	1	IN				0	IN	0	S	0	S							FS							VARS11-040- 2 surveys 2011. Avg. VSCI 72.0.
4AXUO000.49	VAW-L07R_XUO01A06	FPM,B	RU19	0	2	S	0	2	S	0	1	S	0	1	IN						0	S	0	S	0	S					IM							VAEQ99-456- 2surveys 2008. Avg. VSCI 47.9.
4AXUP000.06	VAC-L31R_XUP01A06	FPM,B	RU61																0	W											J							2011 Bio Some sedimentation occurring but had decent habitat.
4AXUQ000.00	VAC-L78R_XUQ01A04	SS	RL11	0	3	S	0	3	S	0	2	S									2	O										5	6	IN/O				Formerly ST AB No New Data!! 2006 FC bacteria: 2/4 = IM
4AXUR000.00	VAC-L78R_XUR01A04	SS	RL12	0	3	S	1	3	IN	0	2	S									0	S																PRO Hog Farm Special Study - Formerly ST AA No New Data!! 2006 FC bacteria: 0/5 = S
4AXUS000.65	VAC-L70R_XUS01A08	FPM,B	RD64	0	1	W	0	1	W				0	1	W				0	W	0	W	0	W	0	W					FS							2005 Probabilistic Monitoring Stable riffles, some evidence of storm flow-related bank failure.
4AXUZ000.03	VAC-L65R_XUZ01A10	FPM,B	RD54	0	1	W	0	1	W	0	1	W	0	1	W				0	W	0	S	0	S	0	S					J							2007 Probmon 4AXUZ000.03 is a small un-named tributary to the Banister River which was sampled as a probabilistic site in the spring of 2007. Access to the site is limited by private landowners and additional sampling will be difficult. The stream was not flowing during the fall 2007 sampling event.
4AXVE002.29	VAW-L06R_XVE01A10	B	RU15	0	1	IN	0	1	IN	0	1	IN																			W							1 VSCI survey (2006). Not assessed. Possible headwater- carried additional data needed.
4AXVK001.44	VAC-L34R_XVK01A12	FPM,B	RU70	0	3	S	0	3	S	0	3	S	1	2	IN				0	S	0	S	0	S							IM							2009-2010 FPM 4AXVK001.44 is a very small intermittent stream within the PROBMON program. Sampling in the fall of 2010 was halted due to lack of flow. The site is within an agricultural watershed and cattle do have direct access to the stream.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Roanoke and Yadkin Rivers Basin																																					
4AXVL000.82	VAC-L75R_XVL01A12	FPM,B	RL03	0	1	W	0	1	W	0	1	W	0	1	W				0	W	0	W	0	W							J							2009 FPM 4AXVL000.82 is a small stream within the PROBMON program. The fall sample was halted due to a lack of flow.
4AXVN001.55	VAC-L41R_XVN01A12	FPM,B	RU88	0	2	S	0	2	S	0	2	S	0	1	W				0	W	0	S	0	W							J							2010 Bio 4AXVN001.55 exhibits significant seasonal variation. Additional data must be collected to accurately characterize the status of the stream community.
4AXVO000.50	VAC-L39R_XVO01A14	FPM,B	RU81	0	2	S	0	2	S	0	2	S	1	1	IN				0	W	0	S									IM							2012 FPM This stream was incised and had a sedimentation problem. The habitat was marginal and the banks were unstable.
4AXVR-1-SOS	VAW-L05R_XVR01A14	CMON	RU13																											LP							SOS 2 surveys '11 [3D] 'v. 2. Two surveys Outside Acceptable Season Range.
LVLAROA140.66	VAC-L13L_ROA01A02	CMON	RU38	0	151	S	9	75	IM	0	151	S	0	5	IN																							Leesville Lake Association #11
LVLAROA140.93	VAC-L13L_ROA01A02	CMON	RU38	0	1	W	0	1	W	0	1	W	0	8	IN																							Leesville Lake Association #10
LVLAROA141.42	VAC-L13L_ROA01A02	CMON	RU38	0	186	S	7	85	IM	1	145	S	0	41	IN																							Leesville Lake Association #7
LVLAROA142.50	VAC-L13L_ROA01A02	CMON	RU38	0	30	S	0	12	S	0	27	S	0	41	IN																							Leesville Lake Association #6
LVLAROA143.84	VAC-L13L_ROA01A02	CMON	RU38	0	30	S	0	12	S	0	27	S	0	13	IN																							Leesville Lake Association #4
LVLAROA146.87	VAC-L13L_ROA01A02	CMON	RU38	0	230	S	7	138	S	0	195	S	0	5	IN																							Leesville Lake Association #8
LVLAROA149.94	VAC-L13L_ROA01A02	CMON	RU38	0	44	S	0	20	S	0	41	S	1	44	IN																							Leesville Lake Association #2
LVLAROA153.47	VAC-L13L_ROA01A02	CMON	RU38	0	189	S	0	152	S	0	161	S	2	44	IN																							Leesville Lake Association #1
LVLAROA157.92	VAC-L13L_ROA03A02	CMON	RU28	0	1	W	0	1	W	0	1	W																										Leesville Lake Association #12
LVLATER000.33	VAC-L13L_ROA01A02	CMON	RU38	0	31	S	0	13	S	0	28	S	1	45	IN																							Leesville Lake Association #3

* For lake/reservoir NUTRIENTS (i.e. Total Phosphorus or Chlorophyll a), "Exceed" refers to the number of exceedences per monitoring year (April-October) and "Samples" represent the number of monitoring years. A minimum of two monitoring years are required to make a supporting (S) or impaired (IM) assessment determination. Less than two full monitoring years result in an insufficient (IN) determination. Also, nutrients are only assessed in lakes listed in Section 187 of the WQS if there is documented algaecide use.

NOTE: Values in VAHU6 refer to the 6th order watershed in version 4 of Virginia's portion of the National Watershed Boundary Dataset.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
01613900	VAV-B06R_HOC02A10	USGS	PU12	1	10	S															0	S																WQS - Basin 1A: Section 11: Class V: Special Standards: pH
01614830	VAV-B08R_OPE02A10	USGS	PU16	0	45	S	0	32	S	0	32	S									0	S																WQS - Basin 1A: Section 11: Class V: Special Standards: pH
01615000	VAV-B08R_OPE01A00	USGS	PU16	0	42	S	0	34	S	0	34	S									0	S																WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
01616075	VAV-B09R_RED01A00	USGS	PU18	0	7	S															0	S																WQS - Basin 1A: Section 11: Class VI: Special Standards: pH
01616100	VAV-B09R_DRS01A00	USGS	PU18	1	16	S															0	S																WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
01622000	VAV-B23R_NTH02A04	USGS	PS25	0	11	S															0	S																WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
01625000	VAV-B15R_MDL01A00	USGS	PS11	0	11	S															0	S																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
01626000	VAV-B32R_STH05A04	USGS	PS30	0	15	S	0	3	S	0	3	S									0	S																WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
01626920	VAV-B32R_STH02A04	USGS	PS30	0	3	S	0	3	S	0	3	S									0	S																WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
01627500	VAV-B32R_STH02A04	USGS	PS31	0	17	S	0	3	S	0	3	S									0	S																WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
01629500	VAV-B38R_SSF01A00	USGS	PS41	0	13	S															0	S																WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
01630700	VAV-B40R_GNY01A00	USGS	PS46	2	10	IM															0	S																WQS - Basin 1B: Section 2: Class V: Special Standards: pH - VAV-B40R-XGY01A10 is also included with this station.
01631000	VAV-B41R_SSF02A00	USGS	PS47	0	6	S															0	S																WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
01632000	VAV-B45R_NFS04A04	USGS	PS55	0	10	S															0	S																WQS - Basin 1B: Section 6f: Class IV: Special Standards: pH, PWS
01632082	VAV-B46R_LNV01A00	USGS	PS56	0	9	S															0	S																WQS - Basin 1B: Section 6f: Class IV: Special Standards: pH, PWS
01632900	VAV-B47R_SMT01A00	USGS	PS62	0	701	S	0	669	S	0	700	S									0	S																Temp, DO & pH assessment based on continuous monitoring (# samples = valid days) - WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH, PWS
01633000	VAV-B48R_NFS01A00	USGS	PS64	0	11	S															0	S																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
01634000	VAV-B51R_NFS04A00	USGS	PS70	0	597	S				35	582	S									0	S																Temp & pH assessment based on continuous monitoring (# samples = valid days) - WQS - Basin 1B: Section 6b: Class: IV: Special Standards: pH, PWS
01634500	VAV-B53R_CDR03A10	USGS	PS74	0	15	S															0	S																WQS - Basin 1B: Section 6b: Class: IV: Special Standards: pH, PWS
01635090	VAV-B53R_CDR01A00	USGS	PS75	0	12	S															0	S																WQS - Basin 1B: Section 6b: Class: IV: Special Standards: pH, PWS
01635500	VAV-B54R_PSG01A00	USGS	PS77	0	9	S															0	S																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
01636242	VAV-B56R_CRO01A00	USGS	PS79	0	9	S															0	S																WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
0163626650	VAV-B55R_MAN01A00	USGS	PS80	0	10	S															0	S																WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
01636316	VAV-B57R_SPR01A00	USGS	PS83	0	13	S															0	S																WQS - Basin 1B: Section 1c: Class VI: Special Standards: pH
1003	VAV-B11R_XED01A02	USFS	PS02																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 4: Class VI: Special Standards: pH
1008	VAV-B11R_WTK01A02	USFS	PS03																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 4: Class VI: Special Standards:
1011	VAV-B11R_WTK01A02	USFS	PS03																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 4: Class VI: Special Standards:
1032	VAV-B11R_EDB02A10	USFS	PS02																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 4: Class VI: Special Standards:
1AABR000.78	VAV-B09R_ABR01A00	A,B	PU17	0	54	S	0	53	S	0	53	S	13	54	IM						0	S																01 Chlordane WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AABR-OPCS11-FOSR	VAV-B09R_ABR01A00	FOSR	PU17	0	15	S																																WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AABR-OPCS12-FOSR	VAV-B09R_ABR01A00	FOSR	PU17	0	15	S																																WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AABR-OPCS14-FOSR	VAV-B09R_ABR01A00	FOSR	PU17	0	15	S																																WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AABR-OPCS16-FOSR	VAV-B09R_ABR01A00	FOSR	PU17	0	14	S																																WQS - Basin 1A: Section 11 Class IV: Special Standards: pH
1AABR-OPCS18-FOSR	VAV-B09R_TWN01A08	FOSR	PU17	0	15	S																																Coli-scan data - Level II WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AABR-OPCSABISCO-FOSR	VAV-B09R_ABR01A00	FOSR	PU17	0	13	S																																Coli-scan data - Level II WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AABR-SU POND 1-FOSR	VAV-B09L_ABR01A08	FOSR	PU17	0	13	S																																WQS - Basin 1A: Section 11: Class IV: Special Standards: pH

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1AABR-SU POND 2-FOSR	VAV-B09L_ABR01B08	FOSR	PU17	0	6	S																															WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1ABAB004.54	VAV-B07R_BAB01A00	A	PU14	0	11	S	0	10	S	0	11	S	2	12	IM						0	S															WQS - Basin 1A: Section 11: Class VI: Special Standards: pH
1ABAR032.10	VAV-B07R_BAR01A00	A	PU15	0	12	S	0	11	S	0	12	S	0	12	S						0	S															WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1ABAR041.11	VAV-B05R_BAR01B10	A	PU10	0	12	S	0	11	S	0	12	S	2	12	IM						0	S															WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1ABAR046.01	VAV-B05R_BAR02A04	A,B	PU10	0	4	S	0	4	S	0	4	S																			FS							WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1ABLR-OPCS06-FOSR	VAV-B08R_BLR01A08	FOSR	PU16	0	14	S																															WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1ABRH001.60	VAV-B07R_BRH01A00	A	PU13	0	10	S	0	9	S	0	10	S	0	10	S						0	S															WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1ADRS000.11	VAV-B09R_DRS01A00	A	PU18	0	6	S	0	6	S	0	6	S	0	6	S																						WQS - Basin 1A: Section 11: Class IV Special Standards: pH
1ADRS-OPCS05-FOSR	VAV-B09R_DRS01A00	FOSR	PU18	0	15	S																															WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AHIA-OPCSMF01-FOSR	VAV-B09R_LIR01A00	FOSR	PU18	0	15	S																															WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AHIA-OPCSMF02-FOSR	VAV-B09R_LIR01A00	FOSR	PU18	0	15	S																															WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AHOC003.67	VAV-B06R_HOC01A00	SS	PU12	0	5	S	0	4	S	0	5	S	1	5	O																						WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AHOC006.23	VAV-B06R_HOC01A00	A,B	PU12	0	8	S	0	6	S	0	8	S	1	6	IM						0	W										FS							WQS - Basin 1A: Section 11: Class IV: Special Standards: pH. No new bacteria data in 2014, remains impaired. Water toxics not assessed based on only one sample available for assessment.
1AHOC008.96	VAV-B06R_HOC02A10	SS	PU12	0	6	S	0	4	S	0	6	S	1	5	IM																						WQS - Basin 1A: Section 11: Class V: Special Standards: pH, hh. No new bacteria data in 2014, remains impaired.
1AISC001.77	VAV-B05R_ISC01A00	A	PU11	0	12	S	0	11	S	1	12	S	0	12	S						0	S															WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1ALIR-OPCS03-FOSR	VAV-B09R_LIR01A00	FOSR	PU18	0	15	S																															WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1ALIR-OPCSJS02-FOSR	VAV-B09R_LIR01A00	FOSR	PU18	0	15	S																															WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1ALIR-OPCSJS03-FOSR	VAV-B09R_LIR01A00	FOSR	PU18	0	8	S																															WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1ALMR001.82	VAV-B58R_LSR01A00	A	PS86	0	11	S	0	11	S	0	11	S	6	12	IM																						WQS - Basin 1B: Section 1a: Class IV: Special Standards: pH
1AMIS000.33	VAV-B04R_MIS01A14	A	PU09	0	11	S	0	11	S	0	11	S	3	11	IM																						WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AOPE025.10	VAV-B09R_OPE01A00	A	PU19	0	53	S	0	51	S	1	56	S	8	54	IM						0	S															WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AOPE027.30	VAV-B09R_OPE02A10	A	PU18	0	11	S	0	11	S	0	11	S	4	12	IM																						WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AOPE028.72	VAV-B09R_OPE02A10	A,B	PU18	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	0	S								IM							WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AOPE031.26	VAV-B09R_OPE02A10	A	PU18	0	5	S	0	5	S	0	5	S	1	6	IM																						WQS - Basin 1A: Section 11: Class IV: Special Standards: pH, Segment remains impaired for bacteria, no new data for 2014
1AOPE036.13	VAV-B08R_OPE01A00	A,B,TR	PU16	0	60	S	0	57	S	0	59	S	16	54	IM						0	W										IM							WQS - Basin 1A: Section 11: Class IV Special Standards: pHTrend analysisin 2006 at 1AOPE036.10 showed no statistically significant trends detected. Water toxics not assessed based on only one sample available for assessment.
1AOPE044.17	VAV-B08R_OPE01A00	A	PU16	0	11	S	0	11	S	0	11	S	5	12	IM																						WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AOPE047.44	VAV-B08R_OPE02A10	A	PU16	0	6	S	0	6	S	0	6	S	4	6	IM																						WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AOPE-OPCS02-FOSR	VAV-B09R_OPE01A00	FOSR	PU19	0	15	S																															WQS - Basin 1A: Section 11: Class V: Special Standards: pH
1AOPE-OPCS07-FOSR	VAV-B08R_OPE01A00	FOSR	PU16	0	15	S																															WQS - Basin 1A: Section 11: Class V: Special Standards: pH
1AOPE-OPCS08-FOSR	VAV-B08R_OPE01A00	FOSR	PU16	0	14	S																															WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AOPE-OPCS09-FOSR	VAV-B08R_OPE02A10	FOSR	PU16	1	15	S																															Coli-scan data - Level II WQS - Basin 1A: Section 11: Class V: Special Standards: pH
1AOPE-OPCS10-FOSR	VAV-B08R_OPE03A10	FOSR	PU16	0	14	S																															Coli-scan data - Level II WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AOPE-OPCS13-FOSR	VAV-B09R_OPE01A00	FOSR	PU19	0	15	S																															WQS - Basin 1A: Section 11: Class IV: Special Standards: pH

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1AOPE-OPCS15-FOSR	VAV-B08R_OPE01A00	FOSR	PU16	0	14	S	0	3	S	0	3	S									0	S																WQS - Basin 1A: Section 11: Class IV: Special Standards: pH 1 excursion of 9 samples were observed for nitrate, this is not a PWS, so the standard does not apply, but it is an observed effect.
1AOPE-OPCS23-FOSR	VAV-B08R_OPE03A10	FOSR	PU16	0	9	S																																Coli-scan data - Level II WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AOPE-OPCS24-FOSR	VAV-B08R_OPE03A10	FOSR	PU16	0	12	S																																Coli-scan data - Level II WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1ARED000.46	VAV-B09R_RED01A00	A,B	PU18	0	3	S	0	3	S	0	3	S																			IM							WQS - Basin 1A: Section 11: Class VI: Special Standards: pH
1ARED-OPCS04-FOSR	VAV-B09R_RED01A00	FOSR	PU18	0	15	S																																Coli-scan data - Level II WQS - Basin 1A: Section 11: Class VI: Special Standards: pH
1ASFP002.56	VAV-B03R_SFP01A00	A	PU06	0	11	S	0	11	S	0	11	S	2	12	IM																							WQS - Basin 1A: Section 12: Class IV: Special Standards: pH2008 FC bacteria 0/12 = S
1ASLP034.20	VAV-B04R_SLP01A00	A	PU08	0	12	S	0	11	S	0	12	S	0	12	S						0	S																WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1ASOA001.00	VAV-B02R_SOA01A00	A,B	PU02	0	15	S	0	14	S	0	14	S	0	12	S																FS							WQS - Basin 1A: Section 12: Class IV: Special Standards:
1ASOA003.77	VAV-B02R_SOA01B10	A	PU02	0	6	S	0	6	S	0	6	S	0	6	S																							WQS - Basin 1A: Section 12: Class IV: Special Standards: pH
1ASTC000.02	VAV-B02R_STC01A00	A	PU03	0	5	S	0	5	S	0	5	S	0	6	IM						0	S																WQS - Basin 1A: Section 12: Class VI: Special Standards: pH, Segment remains impaired for bacteria, no new data for 2014
1ASTC000.72	VAV-B02R_STC01A00	A,B	PU03	0	4	S	0	4	S	0	4	IN																			IM							Site has degraded since 2006 assessment WQS - Basin 1A: Section 12: Class VI: Special Standards: pH. No new temperature data in 2014, remains insufficient information.
1ASTC001.54	VAV-B02R_STC01A00	SS	PU03	1	5	IN	0	5	S	0	5	S	0	6	S						0	S																WQS - Basin 1A: Section 12: Class VI: Special Standards: pH
1ASTC004.27	VAV-B02R_STC02A00	A,B	PU03	0	8	S	0	8	S	0	8	S	2	6	IM						0	S									FS							WQS - Basin 1A: Section 12: Class VI: Special Standards: pH
1ASTT006.12	VAV-B01R_STT01A00	A	PU01	0	9	S	0	9	S	0	9	S	0	9	S																							WQS - Basin 1A: Section 12: Class IV: Special Standards: pH
1ASYL000.02	VAV-B09R_SYL01A10	A	PU20	0	13	S	0	11	S	0	13	S	0	12	S						0	S																WQS - Basin 1A: Section 11a: Class IV: Special Standards: pH
1ATWN-OPCS19-FOSR	VAV-B09R_TWN01A08	FOSR	PU17	0	10	S																																Coli-scan data - Level II WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AWRR-OPCS22-FOSR	VAV-B08R_WRR01A08	FOSR	PU16	0	15	S																																WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AWSC003.54	VAV-B02R_WSC02A00	A,B	PU03	0	10	S	2	10	IM	1	10	S	0	6	IN						0	S									IM							Site is listed in biologist table at mile 3.67. No new bacteria data in 2014, remains insufficient information.
1AWSC003.79	VAV-B02R_WSC03A00	A,B	PU03	0	11	S	0	11	S	0	11	S	2	6	IM						0	S									IM							WQS - Basin 1A: Section 12: Class IV: Special Standards: pH
1AXHR-OPCSMF03-FOSR	VAV-B09R_LIR01A00	FOSR	PU18	0	14	S																																Coli-scan data - Level II WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AXHR-OPCSMF04-FOSR	VAV-B09R_LIR01A00	FOSR	PU18	0	5	S																																Coli-scan data - Level II WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AXLR-OPCSJS01-FOSR	VAV-B09R_LIR01A00	FOSR	PU18	0	11	S																																WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AXOP-OPCS20-FOSR	VAV-B08R_XOP01A08	FOSR	PU16	0	14	S																																Coli-scan data - Level II WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1AXXO-OPCS21-FOSR	VAV-B08R_XXO01A08	FOSR	PU16	0	12	S																																Coli-scan data - Level II WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1BBAK001.74	VAV-B10R_BAK01A00	A	PS01	0	11	S	0	10	S	0	11	S	6	12	IM						0	S																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BBAK-GA17BC-FOSR	VAV-B10R_BAK01A00	FOSR	PS01	0	71	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BBCK000.78	VAV-B31R_BCK01A00	A,B	PS29	0	14	S	0	14	S	0	14	S	2	9	IM																IM							Site has improved since 2006 cycle. WQS - Basin 1B: Section 3: Class IV: Special Standards: pH2008 FC bacteria 1/18 = S
1BBCK-GA22A-FOSR	VAV-B31R_BCK01A00	FOSR	PS29	0	8	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BBGR000.42	VAV-B33R_BGR01A00	A	PS32	0	1	W																																WQS - Basin 1B: Section 3: Class IV: Special Standards: pH2008 FC bacteria 0/2 = S
1BBGR004.08	VAV-B33R_BGR01A00	A	PS32	0	2	S	0	2	S	0	2	S							0	S			0	S														WQS - Basin 1B: Section 3: Class VI: Special Standards: pH
1BBHC-GA26-FOSR	VAV-B30R_BHC01A06	FOSR	PS27	0	89	S																																WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BBIG000.48	VAV-B38R_BIG01A00	A	PS40	0	22	S	1	21	S	0	21	S	21	23	IM						0	W																WQS - Basin 1B: Section 2: Class IV: Special Standards: pH. Water toxics not assessed based on only one sample available for assessment.
1BBIG001.80	VAV-B38R_BIG01A00	A,B	PS40	0	4	S	0	4	S	0	4	S																			FS							WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BBKB-GA30-FOSR	VAV-B14R_BKB01A00	FOSR	PS09	0	2	S																																WQS - Basin 1B: Section 4: Class V: Special Standards: pH

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BBLK000.08	VAV-B26R_BLK01A00	A,B	PS22	0	6	S	0	6	S	0	6	S																			IM							WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BBLK000.38	VAV-B26R_BLK01A00	A	PS22	0	52	S	0	50	S	0	50	S	17	54	IM							0	S															WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BBLK005.62	VAV-B26R_BLK01A00	A,B	PS22	0	20	S	0	18	S	0	19	S	1	13	IM				0	S	0	S									IM							WQS - Basin 1B: Section 5: Class IV: Special Standards: pH. No new bacteria data in 2014, remains impaired.
1BBLK-10-FBRG	VAV-B26R_BLK01A00	CMON	PS22										1	4	IN/O																							WQS - 1B: Section 5: Class IV: Special Standards: pH
1BBLK-11A-FBRG	VAV-B26R_BLK01A00	CMON	PS22										2	4	IN/O																							WQS - 1B: Section 5: Class IV: Special Standards: pH
1BBLK-11-FBRG	VAV-B26R_BLK01A00	CMON	PS22										2	6	IN/O																							2008 Cycle Coli-scan data - Level II WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BBLK-13-FBRG	VAV-B26R_BLK01A00	CMON	PS22										5	12	IN/O																							2008 Cycle Coli-scan data - Level II WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BBLK-1A-FBRG	VAV-B26R_BLK01A00	CMON	PS22										5	12	IN/O																							2008 Cycle Coli-scan data - Level II WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BBLK-1-FBRG	VAV-B26R_XBK01A08	CMON	PS22										1	9	IN/O																							2008 Cycle Coli-scan data - Level II WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BBLK-2-FBRG	VAV-B26R_XBK01A08	CMON	PS22										1	4	IN/O																							2008 Cycle Coli-scan data - Level II WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BBLK-3-FBRG	VAV-B26R_BLK01A00	CMON	PS22										4	5	IN/O																							WQS - 1B: Section 5: Class IV: Special Standards: pH
1BBLK-3-FBRG	VAV-B26R_BLK01A00	CMON	PS22										7	12	IN/O																							2008 Cycle Coli-scan data - Level II WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BBLK-4-FBRG	VAV-B26R_BLK01A00	CMON	PS22										8	13	IN/O																							WQS - 1B: Section 5: Class IV: Special Standards: pH
1BBLK-6-FBRG	VAV-B26R_BLK01A00	CMON	PS22										11	13	IN/O																							2008 Cycle Coli-scan data - Level II WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BBLK-7-FBRG	VAV-B26R_BLK01A00	CMON	PS22										7	8	IN/O																							2008 Cycle Coli-scan data - Level II WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BBLK-9-FBRG	VAV-B26R_BLK01A00	CMON	PS22										6	11	IN/O																							2008 Cycle Coli-scan data - Level II WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BBLK-JR08-FOSR	VAV-B26R_BLK01A00	FOSR	PS22	0	111	S															0	S																WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BBMR000.20	VAV-B55R_BMR01A00	A	PS81	0	18	S	0	18	S	0	18	S	8	18	IM																							WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BBON000.60	VAV-B35R_BON01A00	A	PS35	0	69	S	0	69	S	0	69	S	25	59	IM																							WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BBON001.46	VAV-B35R_QAL01A00	A	PS35	0	69	S	1	69	S	0	70	S	16	38	IM																							WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BBRO000.34	VAV-B45R_BRO01A14	A,B	PS55	0	2	S	0	2	S	0	2	S																			FS							WQS - Basin 1B: Section 6f: Class IV: Special Standards: pH,
1BBRO002.91	VAV-B45R_BRO01A14	A	PS55	0	1	W	0	1	W	0	1	W									0	W																WQS - Basin 1B: Section 6f: Class IV: Special Standards: pH, PWS. Water toxics inot assessed based on only one sample available for assessment.
1BBRY001.22	VAV-B18R_BRY01A02	A	PS14	0	12	S	0	12	S	0	12	S	5	12	IM																							WQS - Basin 1B: Section 5b: Class IV: Special Standards: pH. PWS
1BBRY001.78	VAV-B18R_BRY02A00	A	PS14	0	1	W	0	1	W	0	1	W	0	1	W				0	S	0	S	0	S														WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BBRY005.09	VAV-B18R_BRY02A00	A,B	PS14	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	0	S														WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BBRY-JR03-FOSR	VAV-B18R_BRY01A02	FOSR	PS14	0	113	S															0	S																WQS - Basin 1B: Section 5b: Class IV: Special Standards: pH. PWS
1BBVR002.75	VAV-B18R_BVR01A00	A,B	PS14	0	2	S	0	2	S	0	2	S																			FS							Benthic MI in 2004 (improved) WQS - Basin 1B: Section 5: Class V: Special Standards: pH
1BBVR003.60	VAV-B18R_BVR02A00	A,B	PS14	0	2	S	0	2	S	0	2	S																			FS							This station will be evaluated in the next triennial review for classification as a Class IV stream instead of Class V as determined by the Virginia Department of Game and Inland Fisheries. WQS - Basin 1B: Section 5: Class V: Special Standards: pH2008
1BCBR000.03	VAV-B34R_CBR01A00	A	PS33	0	3	S	0	1	W	0	3	S									0	S																WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BCBR000.80	VAV-B34R_CBR01A00	A	PS33	0	10	S	0	10	S	0	10	S	3	10	IM																							WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BCBR007.42	VAV-B34R_CBR01A00	A	PS33	0	12	S	0	12	S	0	12	S	4	12	IM																							WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BCBR-JR13-FOSR	VAV-B34R_CBR01A00	FOSR	PS33	0	23	S																																WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BCDR000.81	VAV-B53R_CDR01A00	A	PS75	0	12	S	0	12	S	0	12	S	2	12	IM																							WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH, PWS
1BCDR001.65	VAV-B53R_CDR01A00	SS	PS75	0	37	S	0	35	S	0	34	S							0	S																		WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH, PWS
1BCDR008.29	VAV-B53R_CDR02A00	A	PS75	0	12	S	0	12	S	0	12	S	1	12	S																							WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH, PWS

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BCDR013.29	VAV-B53R_CDR02A00	A,TR	PS75	0	37	S	0	36	S	0	37	S	4	37	IM																							WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH Trend analysis was performed at station 1BCDR013.29 in the 2012 cycle. Statistically significant trends were detected for the following parameter(s): DO % Sat. - decreasing Total N- decreasing
1BCDR015.40	VAV-B53R_CDR02A00	A,B	PS74	0	3	S	0	3	S	0	3	S																			FS						WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH
1BCDR023.47	VAV-B52R_CDR02A00	A	PS72	0	12	S	0	12	S	0	12	S	2	12	IM																							WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH This station also used for assessment in VAV-B52R_CDR03B10.
1BCDR028.86	VAV-B52R_CDR02B10	A	PS72	0	12	S	0	12	S	0	12	S	2	12	IM																							WQS - Basin 1B: Section 6b: Class V: Special Standards: pH
1BCDR045.30	VAV-B52R_CDR03B10	A,B	PS71	0	14	S	1	14	S	2	14	IM									0	S									FS						WQS - Basin 1B: Section 6b: Class: VI: Special Standards: ph, PWS
1BCDR-1-SOS	VAV-B53R_CDR01A00	CMON	PS75																												LP						SOS data Level II WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH, PWS
1BCDR-CC01-FOSR	VAV-B53R_CDR03A10	FOSR	PS74										1	18	S																							WQS - Basin 1B: Section 6b: Class IV: Special Standards: PWS, pH
1BCDR-CC03-FOSR	VAV-B52R_CDR02B10	FOSR	PS72										0	17	S																							WQS - Basin 1B: Section 6b: Class IV: Special Standards: PWS, pH
1BCDR-CC06-FOSR	VAV-B52R_CDR03A00	FOSR	PS71										9	17	IM																							WQS - Basin 1B: Section 6b: Class V: Special Standards: PWS, pH
1BCDR-CC07-FOSR	VAV-B52R_CDR04A02	FOSR	PS71										0	12	S																							WQS - Basin 1B: Section 6b: Class VI: Special Standards: PWS, pH
1BCDR-CC1-SOS	VAV-B53R_CDR03A10	CMON	PS74																												LP						SOS data Level II WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH, PWS
1BCDR-CC3-SOS	VAV-B52R_CDR02B10	CMON	PS72																												LP						SOS data Level II WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH, PWS
1BCDR-CC7a-SOS	VAV-B52R_CDR03B10	CMON	PS71																												LP						SOS data Level II WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH, PWS
1BCDR-CC7-SOS	VAV-B52R_CDR03B10	CMON	PS71																												LP						SOS data Level II WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH, PWS
1BCDR-FS02-FOSR	VAV-B53R_CDR01A00	FOSR	PS75	0	71	S															0	S															WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH, PWS
1BCDR-FS03-FOSR	VAV-B53R_CDR02A00	FOSR	PS75	0	3	S															0	S															WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH, PWS
1BCDR-NS52-FOSR	VAV-B53R_CDR02A00	FOSR	PS74	0	101	S															0	S															WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH, PWS
1BCDR-NS61-FOSR	VAV-B53R_CDR01A00	FOSR	PS75	0	64	S															0	S															WQS - Basin 1B: Section 6b: Class: IV Special Standards: pH, PWS
1BCDR-NS70-FOSR	VAV-B53R_CDR03A10	FOSR	PS74	0	93	S															0	S															WQS - Basin 1B: Section 6b: Class: IV Special Standards: pH, PWS
1BCKD000.38	VAV-B48R_CKD01A00	A,B	PS63	0	2	S	0	2	S	0	2	S																			IM						WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BCKD-1-SOS	VAV-B56R_CRO01A00	CMON	PS79																												LP						SOS data Level II WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BCKD-Riverton Common-SOS	VAV-B56R_CRO01A00	CMON	PS79																												MP						SOS data Level II WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BCKS001.03	VAV-B25R_CKS01A00	A,B	PS23	0	19	S	0	17	S	0	18	S	11	13	IM				0	S	0	S	0	S							IM						WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BCKS003.04	VAV-B25R_CKS01A00	A,B	PS23	0	4	S	0	4	S	0	4	S																			IM						WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BCKS003.10	VAV-B25R_CKS01A00	A	PS23	0	53	S	0	50	S	0	51	S	43	53	IM				0	S	0	S															WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BCKS007.71	VAV-B25R_CKS01A00	A	PS23	0	12	S	0	12	S	0	12	S	5	12	IM																							WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BCKS008.29	VAV-B25R_CKS02A04	A	PS23	0	8	S	0	6	S	0	7	S	6	8	IM						0	S															WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BCKS-JR07-FOSR	VAV-B25R_CKS01A00	FOSR	PS23	0	83	S																															2 excursions of 42 samples were observed for nitrate, this is not a PWS, so the standard does not apply; WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BCLS003.60	VAV-B31L_00	L	PS28	0	88	S	0	35	S	88	88	IM	0	7	S						0	S													0	1		Only one year of Chlor A data, unable to assess for nutrients. Lake remains impaired for pH WQS - Basin 1B: Section 3b: Class IV: Special Standards: pH
1BCNG003.13	VAV-B29L_CNG01A04	L	PS26	0	84	S	0	42	S	6	84	S	1	14	S						0	S	0	S											0	2		Fully supporting for nutrients in 2014. WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BCPL000.95	VAV-B57R_CPL01A00	A,B	PS84	0	15	S	0	15	S	0	15	S	2	12	IM																IM						Site had degraded since 2006 assessment. WQS - Basin 1B: Section 1a: Class V: Special Standards: pH
1BCPL-FC18-FOSR	VAV-B57R_CPL01A00	FOSR	PS84	3	98	S	0	8	S	0	6	S									0	S															WQS - Basin 1B: Section 1a: Class V: Special Standards: pH
1BCRB000.18	VAV-B42R_CRB01A00	A	PS50	0	11	S	0	11	S	0	11	S	2	11	IM						0	S															WQS - Basin 1B: Section 6: Class IV: Special Standards: pH

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BCRO002.75	VAV-B56R_CRO01A00	A	PS79	0	60	S	0	60	S	0	59	S	9	60	IM																							WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BCRO009.19	VAV-B56L_CRO01A04	L	PS79	0	106	S	0	35	S	0	106	S	0	6	S						0	S	0	S	0	S								0	1		Lake Frederick pooled DO/pH results for Stations 1BCRO009.19, 1BCRO009.79, 1BXCE000.63 = 91 obs/0 exceeds (DO) 197 obs/1 exceeds (pH). Fully supporting for nutrients carries from 2012. (only 1 year left in data window) WQS - Basin 1B: Section 1c: Class
1BCRO009.79	VAV-B56L_CRO01A04	L	PS79	0	52	S	0	28	S	0	53	S	0	7	S						0	S												0	1		Lake Frederick pooled DO/pH results for Stations 1BCRO009.19, 1BCRO009.79, 1BXCE000.63 = 91 obs/0 exceeds (DO) 197 obs/1 exceeds (pH). Fully supporting for nutrients carries from 2012. (only 1 year left in data window) WQS - Basin 1B: Section 1c: Class
1BCRO-CR03-FOSR	VAV-B56R_CRO01A00	FOSR	PS79	0	8	S				0	7	S									0	S															2 of 9 violations for DO last cycle, determined to be instrument malfunction; WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BCRO-CR05-FOSR	VAV-B56R_CRO01A00	FOSR	PS79	0	13	S	0	13	S	0	14	S									0	S															WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BCRO-CR06-FOSR	VAV-B56R_CRO01A00	FOSR	PS79	0	7	S	0	7	S	0	7	S									0	S															WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BCRO-CR07-FOSR	VAV-B56R_CRO01A00	FOSR	PS79	0	7	S	0	7	S	0	7	S									0	S															WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BCRO-CR10-FOSR	VAV-B56R_CRO01A00	FOSR	PS79	0	10	S	1	10	S	0	9	S									0	S															WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BCRO-CR20-FOSR	VAV-B56R_CRO01A00	FOSR	PS79	0	14	S	0	14	S	0	14	S									0	S															WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BCST000.13	VAV-B14R_CST01A00	A	PS09	0	11	S	0	11	S	0	11	S	1	11	IM						0	S															WQS - Basin 1B: Section 4: Class IV: Special Standards: pH. No new bacteria data in 2014, remains impaired.
1BCST007.42	VAV-B14R_CST01A00	A,B	PS09	0	19	S	0	18	S	0	19	S	5	12	IM																FS						WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BCST012.32	VAV-B14R_CST01A00	A	PS09	0	54	S	0	50	S	0	54	S	28	54	IM																							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BCST016.48	VAV-B14R_CST01A00	A	PS09	0	12	S	0	11	S	0	12	S	9	12	IM																							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BCST021.76	VAV-B14R_CST02A00	A	PS08	0	59	S	0	55	S	0	59	S	31	59	IM																							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BCST028.71	VAV-B14R_CST02A00	A	PS08	0	6	S	0	6	S	0	6	S	3	6	IM																							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BCST-GA29-FOSR	VAV-B14R_CST01A00	FOSR	PS09	0	97	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BCST-GA32A-FOSR	VAV-B14R_CST01A00	FOSR	PS08	0	45	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BCST-GA32-FOSR	VAV-B14R_CST02A00	FOSR	PS08	0	50	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BCUB000.40	VAV-B37R_CUB01A00	A,B	PS38	2	39	S	0	39	S	0	38	S	1	36	S																FS						WQS - Basin 1B: Section 2: Class VI: Special Standards: pH
1BCUB-FP12-FOSR	VAV-B37R_CUB01A00	FOSR	PS38	13	95	IM																																4 excursions of 38 samples were observed for nitrate, this is not a PWS, so the standard does not apply; WQS - Basin 1B: Section 2: Class VI: Special Standards: pH
1BDFK000.76	VAV-B47R_DFK01A00	A	PS59	0	46	S	2	45	S	0	46	S	23	47	IM																							WQS - Basin 1B: Section 6e: Class IV Special Standards: pH PWS
1BDGR-FC06-FOSR	VAV-B58R_DGR01A00	FOSR	PS85	0	96	S	0	9	S	0	6	S									0	S															WQS - Basin 1B: Section 1a: Class IV: Special Standards: pH, PWS
1BDNF006.74	VAV-B39R_DNF01A02	A	PS43	0	12	S	0	12	S	0	12	S	0	12	S																							WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BDNF-DRY_RUN01-PATC	VAV-B39R_DNF01A02	CMON	PS43	0	6	IN				2	4	IN/O																			LP						All data Level II WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BDRI000.21	VAV-B39R_DRI01A00	B,FPM	PS43	0	3	S	0	3	S	0	3	S																			IM						Benthic MI in 2004 (improved) WQS - Basin 1B: Section Class IV: Special Standards: pH
1BDRI-FP18A-PCCM	VAV-B39R_DRI01A00	NONA	PS43	0	17	IN							2	23	IN/O																							Temperature & Coli-scan data Level II, Remains IN/O for bacteria, no new data WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BDRI-FP18-PCCM	VAV-B39R_DRI01A00	NONA	PS43	0	17	IN							2	23	IN																							Temperature & Coli-scan data Level II Remains IN for bacteria, no new data WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BDUR000.02	VAV-B21R_DUR01A00	A	PS20	0	55	S	0	51	S	1	53	S	8	54	IM						0	S															WQS - Basin 1B: Section 5b: Class IV: Special Standards: pH, PWS
1BDUR000.11	VAV-B21R_DUR01A00	A,B	PS20	0	5	S	0	5	S	0	5	S																			FS						WQS - Basin 1B: Section 5b: Class IV: Special Standards: pH, PWS
1BDUR010.66	VAV-B21R_DUR03A00	A	PS20	0	12	S	0	12	S	0	12	S	0	12	S																							WQS - Basin 1B: Section 5b: Class IV: Special Standards: pH
1BDUR017.26	VAV-B20R_DUR02B10	A	PS20	0	12	S	0	12	S	2	12	IM	0	12	S																							WQS - Basin 1B: Section 5c: Class VI: Special Standards: pH, PWS
1BDUR-JR02-FOSR	VAV-B21R_DUR02A00	FOSR	PS20	0	67	S															0	S															WQS - Basin 1B: Section 5b: Class IV: Special Standards: pH, PWS

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BEDN003.67	VAV-B10R_EDN01A00	A	PS01	0	11	S	0	10	S	0	11	S	9	12	IM						0	S																WQS - Basin 1B: Section 4: Class IV Special Standards: pH
1BEDN-GA35-FOSR	VAV-B10R_EDN01A00	FOSR	PS01	0	73	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BEHC001.18	VAV-B39R_EHC01A00	A,B	PS42	0	75	S	0	74	S	1	74	S	17	72	IM																IM							Assessment Comment: Site has degraded since the 2006 assessment. WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BEHC-FP08E-PCCM	VAV-B39R_EHC01A00	NONA	PS42	0	17	IN							6	23	IN/O																								Temperature & Coli-scan data Level II WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BEHC-FP08J-FOSR	VAV-B39R_EHC01A00	FOSR	PS42	0	15	S																																WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BEKR000.25	VAV-B13R_ELK01A00	A	PS05	0	12	S	0	12	S	0	12	S	5	12	IM						0	S																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BELK001.00	VAV-B35R_ELK01A00	A	PS35	0	12	S	0	12	S	0	12	S	1	12	S																								WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BFDY000.02	VAV-B47R_FDY01A02	A,B	PS60	0	14	S	0	13	S	10	14	IM									0	S									FS							WQS - Basin 1B: Section 6e: Class VI: Special Standards: pH, PWS
1BFLR000.57	VAV-B52R_FLR01A00	A	PS73	0	12	S	0	12	S	0	12	S	2	12	IM																								WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH, PWS
1BFMC003.57	VAV-B14R_FMC02A10	A	PS08	0	12	S	0	12	S	0	12	S	10	12	IM																								WQS - Basin 1B: Section 4: Class V: Special Standards: pH
1BFMC-GA31A-FOSR	VAV-B14R_FMC02A10	FOSR	PS08	0	2	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BFMC-GA31-FOSR	VAV-B14R_FMC01A00	FOSR	PS08	1	104	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BFNT-FW21-FOSR	VAV-B40R_FNT01A00	FOSR	PS45	9	38	IM	1	19	S	0	21	S									0	S																WQS - Basin 1B: Section 2: Class V: Special Standards: pH
1BFUR-CC02-FOSR	VAV-B52R_FLR01A00	FOSR	PS73										0	17	S																								WQS - Basin 1B: Section 6b: Class IV: Special Standards: PWS, pH
1BGER000.87	VAV-B42R_GER01A00	A	PS49	0	12	S	0	12	S	0	12	S	1	12	S						0	S																WQS - Basin 1B: Section 6: Class VI: Special Standards: pH
1BGNY000.04	VAV-B40R_GNY01A00	A	PS46	2	13	IM	0	12	S	0	13	S	2	13	IM						0	S																WQS - Basin 1B: Section 2: Class V Special Standards: pH - VAV-B40R-XGY01A10 is also included with this station.
1BGNY-1-SOS	VAV-B40R_GNY01A00	CMON	PS46																												LP							SOS data Level II WQS - Basin 1B: Section 2: Class V: Special -Standards: pH - VAV-B40R-XGY01A10 is also included with this station.
1BGNY-FW22-FOSR	VAV-B40R_GNY01A00	FOSR	PS46	2	12	IM																																WQS - Basin 1B: Section 2: Class V: Special Standards: pH
1BGSR-CC04-FOSR	VAV-B52R_CDR02B10	FOSR	PS72										1	18	S																								WQS - Basin 1B: Section 6b: Class IV: Special Standards: PWS, pH
1BHDY000.91	VAV-B37R_HDY01A00	A	PS39	0	36	S	0	35	S	0	35	S	7	32	IM																								WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BHDY-DEQ.91-PCCM	VAV-B37R_HDY01A00	NONA	PS39	0	5	IN							1	10	IN																								Temperature & Coli-scan data Level II WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BHKS000.96	VAV-B39R_HKS01A00	A,B	PS43	0	75	S	0	74	S	0	74	S	21	72	IM																FS							WQS - Basin 1B: Section 2: Class IV Special Standards: pH
1BHKS009.58	VAV-B39R_HKS02A00	A	PS42	0	24	S	0	23	S	0	24	S	9	24	IM																								WQS - Basin 1B: Section 2: Class V-hh: Special Standards: pH
1BHKS-FP06-PCCM	VAV-B39R_HKS01A00	NONA	PS43	0	16	IN							7	23	IN/O																								Temperature & Coli-scan data Level II WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BHKS-FP08A-FOSR	VAV-B39R_HKS02A00	FOSR	PS43	0	19	S																																E-coli data Level II from PCCM - 'WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BHKS-FP08A-PCCM	VAV-B39R_HKS01A00	NONA	PS43	0	2	IN							0	2	IN/O																								Temperature & Coli-scan data Level II Remains IN/O for bacteria, no new data WQS - Basin 1B: Section 2: Class V-hh: Special Standards: pH
1BHKS-FP08B-FOSR	VAV-B39R_HKS02A00	FOSR	PS42	2	20	S																																WQS - Basin 1B: Section 2: Class V-hh: Special Standards: pH
1BHKS-FP08BQ-PCCM	VAV-B39R_HKS02A00	NONA	PS42	0	13	IN							8	14	IN/O																								Temperature & Coli-scan data Level II WQS - Basin 1B: Section 2: Class V-hh: Special Standards: pH
1BHKS-FP08F-FOSR	VAV-B39R_HKS02A00	FOSR	PS42	1	23	S																																WQS - Basin 1B: Section 2: Class V-hh: Special Standards: pH
1BHKS-FP08-FOSR	VAV-B39R_HKS01A00	FOSR	PS43	0	104	S																																WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BHKS-FP08F-PCCM	VAV-B39R_HKS02A00	NONA	PS42	0	17	IN							9	23	IN/O																								Temperature & Coli-scan data Level II WQS - Basin 1B: Section 2: Class V-hh: Special Standards: pH
1BHKS-FP08G-FOSR	VAV-B39R_HKS02A00	FOSR	PS42	0	23	S																																WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BHKS-FP08G-PCCM	VAV-B39R_HKS03A10	NONA	PS42	0	17	IN							0	23	IN/O																								Temperature & Coli-scan data Level II Remains IN/O for bacteria, no new data WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BHMN002.09	VAV-B45R_HMN01A00	A,B	PS58	0	26	S	0	23	S	0	24	S	13	24	IM						0	S									IM							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BHMN007.59	VAV-B45R_HMN02A00	A,B	PS58	0	3	S	0	2	S	0	3	S																			IM							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BHMN-BS01-FOSR	VAV-B45R_HMN01A00	FOSR	PS58										9	10	IN/O																							LFSWCD Coli-scan date Level II WQS - Basin 1B, Section 6: Class IV: Special Standards: pH
1BHMN-HC02-FOSR	VAV-B45R_HMN02A00	FOSR	PS58	0	6	S	0	6	S	0	6	S	4	10	IN/O							0	S															LFSWCD Coli-scan data Level II WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BHMN-HC03-FOSR	VAV-B45R_HMN02A00	FOSR	PS58	0	6	S	0	6	S	0	6	S	1	9	IN/O							0	S															LFSWCD Coli-scan data Level II WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BHMN-HC04-FOSR	VAV-B45R_HMN03A00	FOSR	PS58	0	6	S	0	6	S	0	6	S	3	9	IN/O							0	S															LFSWCD Coli-scan data Level II WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BHMN-HC05-FOSR	VAV-B45R_HMN01A00	FOSR	PS58	0	6	S	0	6	S	0	6	S	0	10	IN							0	S															LFSWCD Coli-scan data Level II WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BHMN-HC06-FOSR	VAV-B45R_HMN01A00	FOSR	PS58	0	6	S	0	6	S	0	6	S	3	9	IN/O							0	S															LFSWCD Coli-scan data Level II WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BHMN-HC07-FOSR	VAV-B45R_HMN01A00	FOSR	PS58	0	6	S	0	6	S	0	6	S	5	10	IN/O							0	S															LFSWCD Coli-scan data Level II WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BHMN-HC08-FOSR	VAV-B45R_HMN01A00	FOSR	PS58	0	5	S	0	5	S	0	5	S	4	10	IN/O							0	S															LFSWCD Coli-scan data Level II WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BHMN-HC09-FOSR	VAV-B45R_HMN03A00	FOSR	PS58	0	6	S	0	6	S	0	6	S	5	10	IN/O							0	S															LFSWCD Coli-scan data Level II WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BHPY000.10	VAV-B41R_HPY01A00	A	PS48	0	1	W	0	1	W	0	1	W																									WQS - Basin 1B: Section 2a: Class IV: Special Standards: Ph, PWS
1BHPY001.29	VAV-B41R_HPY01A00	A,B	PS48	0	14	S	0	14	S	0	14	S	3	12	IM																IM							Site has degraded since 2006 assessment. WQS - Basin 1B: Section 2a: Class IV: Special Standards: pH, PWS
1BHPY002.67	VAV-B41R_HPY01A00	A,B	PS48	0	6	S	0	6	S	0	6	S	0	1	W				0	S	0	S	0	S							IM							WQS - Basin 1B: Section 2a: Class IV: Special Standards: pH, PWS
1BHPY-1-SOS	VAV-B41R_HPY01A00	CMON	PS48																											HP							SOS data Level II WQS - Basin 1B: Section 2a: Class IV: Special Standards: pH, PWS
1BHPY-2-SOS	VAV-B41R_HPY01A00	CMON	PS48																											LP							SOS data Level II WQS - Basin 1B: Section 2a: Class IV: Special Standards: pH, PWS
1BHPY-FW09-FOSR	VAV-B41R_HPY01A00	FOSR	PS48	0	37	S	0	2	S	0	2	S										0	S															WQS - Basin 1B: Section 2a: Class IV: Special Standards: pH, PWS
1BHPY-FW10-FOSR	VAV-B41R_HPY01A00	FOSR	PS48	0	23	S	0	2	S	0	2	S										0	S															WQS - Basin 1B: Section 2a: Class IV: Special Standards: pH, PWS
1BHPY-FW11-FOSR	VAV-B41R_HPY01A00	FOSR	PS48	0	59	S	0	9	S	0	8	S										0	S															WQS - Basin 1B: Section 2a: Class IV: Special Standards: pH, PWS
1BHPY-FW27-FOSR	VAV-B41R_HPY01A00	FOSR	PS48	0	15	S	0	6	S	0	6	S										0	S															WQS - Basin 1B: Section 2a: Class IV: Special Standards: pH, PWS
1BHPY-FW29-FOSR	VAV-B41R_HPY01A00	FOSR	PS48	0	28	S	0	8	S	0	8	S										0	S															WQS - Basin 1B: Section 2a: Class IV: Special Standards: pH, PWS
1BJDN000.29	VAV-B50R_JDN01A00	A,B	PS69	0	3	S	0	2	S	0	3	S																			FS							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BJDN-TB3-FOSR	VAV-B50R_JDN01A00	FOSR	PS69	0	99	S																															WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BJEN002.46	VAV-B11R_JEN01A00	A	PS03	0	10	S	0	9	S	0	10	S	0	12	S							0	S															WQS - Basin 1B: Section 4a: Class IV Special Standards: pH, PWS
1BJEN-GA34-FOSR	VAV-B11R_JEN01A00	FOSR	PS03	0	109	S																0	S															WQS - Basin 1B: Section 4a: Class IV: Special Standards: pH, PWS
1BJER000.62	VAV-B40R_JER01A00	A	PS44	0	12	S	0	12	S	0	12	S	5	12	IM																							WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BJER-FP14-FOSR	VAV-B40R_JER01A00	FOSR	PS44	0	57	S																															WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BLAC-LAC-FOSR	VAV-B47R_LAC01A00	FOSR	PS61	0	16	S	0	15	S	1	16	S	7	22	IM							0	S															WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH, PWS
1BLAR001.77	VAV-B49R_LAR01A00	A,B	PS65	0	14	S	0	14	S	0	14	S										0	S								FS							WQS - Basin 1B: Section 6: Class VI: Special Standards: pH
1BLEW000.61	VAV-B12R_LEW01A00	A,B	PS06	0	13	S	0	12	S	0	12	S	7	12	IM							0	S								IM							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BLEW006.95	VAV-B12R_LEW01A00	A,B	PS06	0	2	S	0	2	S	0	2	S																			IM							Benthic SV in 2004 (improved) WQS - Basin 1B: Section 4: Class IV: Special Standards: pH2008 FC bacteria 9/12 = IM
1BLEW008.24	VAV-B12R_LEW01A00	A	PS06	0	12	S	0	11	S	0	11	S	5	12	IM							0	S															WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BLEW009.19	VAV-B12R_LEW01A00	A,B	PS06	0	2	S	0	2	S	0	2	S																			FS							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BLEW-GA19A-FOSR	VAV-B12R_LEW01A00	FOSR	PS06	0	76	S																															WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BLEW-GA19-FOSR	VAV-B12R_LEW01A00	FOSR	PS06	0	2	S																															WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BLEW-GA20-FOSR	VAV-B12R_LEW01A00	FOSR	PS06	0	100	S																															WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BLGC000.96	VAV-B24R_LGC01A00	A	PS21	0	58	S	0	56	S	0	57	S	30	59	IM																							WQS - Basin 1B: Section 5b: Class IV: Special Standards: pH
1BLGC-JR06-FOSR	VAV-B24R_LGC01A00	FOSR	PS21	0	110	S																0	S															WQS - Basin 1B: Section 5b: Class IV: Special Standards: pH, PWS

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BLHC000.04	VAV-B39R_LHC01A00	TM	PS42	0	6	S	0	6	S	0	6	S	0	6	S																							WQS - Basin 1B: Section 2: Class IV: Special Standards: pH2008 FC bacteria 0/12 = S
1BLIN001.60	VAV-B37R_LIN01A06	A	PS39	0	24	S	0	23	S	0	23	S	1	24	IM																							WQS - Basin 1B: Section 2: Class IV: Special Standards: pH, Remains impaired for bacteria in 2014, no new data.
1BLIN-DEQ1.60-PCCM	VAV-B37R_LIN01A06	NONA	PS39	0	5	IN							0	11	IN																							Temperature & Coli-scan data Level II WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BLMR-GA27-FOSR	VAV-B14R_LMR01A00	FOSR	PS10	1	99	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BLNG000.24	VAV-B57R_LNG01A04	A	PS82	0	37	S	0	35	S	0	37	S	14	37	IM																							WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BLNV000.16	VAV-B46R_LNV01A00	A,B	PS56	0	6	S	0	5	S	0	5	S																				IM						WQS - Basin 1B: Section 6f: Class IV: Special Standards: pH, PWS
1BLNV000.21	VAV-B46R_LNV01A00	A	PS56	0	1	W	0	2	S	0	1	W																										WQS - Basin 1B: Section 6f: Class IV: Special Standards: pH, PWS
1BLNV000.71	VAV-B46R_LNV01A00	A,B	PS56	0	8	S	0	8	S	0	8	S	1	1	W				0	S	0	S	0	S								IM						WQS - Basin 1B: Section 6f: Class IV: Special Standards: pH, PWS
1BLNV001.22	VAV-B46R_LNV01A00	A,TR	PS56	0	36	S	0	36	S	0	36	S	17	36	IM																							WQS - Basin 1B: Section 6f: Class IV Special Standards: pH, PWSTrend analysis was performed at station 1BLNV001.22 in the 2006 cycle. No statistically significant trends were detected.
1BLNV006.49	VAV-B46R_LNV02A04	A	PS56	0	11	S	0	11	S	0	11	S	9	12	IM						0	S																WQS - Basin 1B: Section 6f: Class IV Special Standards: pH
1BLNV007.66	VAV-B46R_LNV02A04	A	PS56	0	12	S	0	12	S	0	12	S	11	12	IM						0	S																WQS - Basin 1B: Section 6f: Class IV Special Standards: pH
1BLNV-NR01-FOSR	VAV-B46R_LNV01A00	FOSR	PS56	0	97	S	0	1	W	0	1	W	6	18	IM						0	S																WQS - Basin 1B: Section 6f: Class IV: Special Standards: pH, PWS
1BLOM000.24	VAV-B45R_LOM01A00	A,B	PS57	0	6	S	0	6	S	0	6	S	1	1	W				0	S	0	S	0	S								IM						WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BLOM001.45	VAV-B45R_LOM01A00	A	PS57	0	29	S	0	29	S	0	29	S	26	29	IM						0	S																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BLOM002.21	VAV-B45R_LOM01A00	A	PS57	0	3	S	0	3	S	0	3	S									0	S																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BLOM007.36	VAV-B45R_LOM01A00	A	PS57	0	1	W	0	1	W	0	1	W									0	W																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH. Water toxics not assessed based on only one sample available for assessment.
1BLSC000.50	VAV-B49R_LSC01B08	A	PS66	3	10	IM	0	9	S	0	10	S	0	11	S																							WQS - Basin 1B: Section 6: Class VI: Special Standards: pH
1BLSC003.52	VAV-B49R_LSC01A00	A,B	PS66	0	10	S	0	10	S	0	10	S									0	S										FS						WQS - Basin 1B: Section 6: Class VI: Special Standards: pH
1BLTD001.15	VAV-B43R_LTD01A00	A	PS52	0	9	S	0	9	S	0	9	S	1	9	IN						0	S																WQS - Basin 1B: Section 6: Class IV: Special Standards: pHVAV-B43R_SBL01A10; VAV-B43R_XCL01A10
1BLTT000.07	VAV-B16R_LTT01A00	A	PS13	0	10	S	0	9	S	0	10	S	0	10	S						0	S																WQS - Basin 1B: Section 5: Class VI: Special Standards:
1BLWS-FC03-FOSR	VAV-B57R_LWS01A00	FOSR	PS84	0	94	S	0	8	S	0	6	S									0	S																WQS - Basin 1B: Section 1a: Class IV: Special Standards: pH, PWS
1BMAN002.55	VAV-B55R_MAN01A00	A,B	PS80	0	17	S	0	17	S	0	17	S	2	11	IM																	FS						WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BMAN-1-SOS	VAV-B55R_MAN01A00	CMON	PS80																													LP						SOS data Level II WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BMAN-FW37-FOSR	VAV-B55R_MAN01A00	FOSR	PS80	0	36	S	0	13	S	0	13	S									0	S																WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BMCR-CRMC2-FOSR	VAV-B56R_MCR01A00	FOSR	PS79	0	6	S	1	6	S	0	5	S									0	S																WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BMCR-CRWR-FOSR	VAV-B56R_MCR01A00	FOSR	PS79	0	8	S	0	7	S	0	7	S									0	S																WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BMDD000.40	VAV-B22R_MDD01A00	A	PS19	0	49	S	0	47	S	0	48	S	30	50	IM						0	S																01 2 exceedences for Nitrate in PWS WQS - Basin 1B: Section 5b: Class IV: Special Standards: pH PWS
1BMDD002.10	VAV-B22R_MDD01A00	A,B	PS19	0	5	S	0	5	S	0	5	S																				IM						WQS - Basin 1B: Section 5b: Class IV: Special Standards: pH, PWS
1BMDD005.17	VAV-B22R_MDD03A00	A,B	PS19	0	2	S	0	2	S	0	2	S																				IM						WQS - Basin 1B: Section 5d: Class IV: Special Standards: pH
1BMDD005.81	VAV-B22R_MDD03A00	A,B,TR	PS19	0	62	S	0	62	S	0	62	S	20	36	IM						0	S										IM						WQS - Basin 1B: Section 5d: Class IV: Special Standards: pHTrend analysis was performed at station 1BMDD005.81 in the 2006 cycle. No statistically significant trends were detected.
1BMDD-JR01-FOSR	VAV-B22R_MDD01A00	FOSR	PS19	0	113	S															0	S																WQS - Basin 1B: Section 5b: Class IV: Special Standards: pH, PWS
1BMDL001.83	VAV-B15R_MDL01A00	A,TR	PS11	0	65	S	0	61	S	0	65	S	9	65	IM																							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH Trend analysis was performed at station 1BMDL001.83 in the 2006 cycle. Statistically significant trends were detected for the following parameter(s): Dissolved Oxygen % Saturation (declining)

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BMDL005.63	VAV-B15R_MDL01A00	A	PS11	0	12	S	0	12	S	0	12	S	1	12	S																							WQS - Basin 1B: Section 4: Class IV: Special Standards: pHTrend analysis was performed at station 1BMDL001.83 in the 2006 cycle. Statistically significant trends were detected for the following parameter(s): Dissolved Oxygen % Saturation (declining)
1BMDL013.94	VAV-B15R_MDL01A00	A	PS11	0	12	S	0	11	S	0	12	S	3	12	IM																							WQS - Basin 1B: Section 4: Class IV: Special Standards: pHTrend analysis was performed at station 1BMDL001.83 in the 2006 cycle. Statistically significant trends were detected for the following parameter(s): Dissolved Oxygen % Saturation (declining)
1BMDL022.09	VAV-B12R_MDL01A00	A	PS07	0	11	S	0	11	S	0	11	S	1	12	IM						0	S																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH. No new bacteria data in 2014, remains impaired.
1BMDL025.92	VAV-B12R_MDL01A00	B,FPM	PS07	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	0	S							FS							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL026.58	VAV-B12R_MDL01A00	B,FPM	PS07	0	5	S	0	5	S	0	5	S																			IM							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL036.08	VAV-B12R_MDL01A00	A,B	PS07	0	51	S	0	48	S	0	51	S	4	48	S						0	S									FS							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL043.35	VAV-B12R_MDL01B10	A	PS04	0	10	S	0	9	S	0	10	S	2	12	IM						0	S																WQS - Basin 1B: Section 4a: Class IV: Special Standards: pH, PWS
1BMDL047.90	VAV-B11R_MDL01A00	A	PS02	0	10	S	0	9	S	0	10	S	2	12	IM						0	S																WQS - Basin 1B: Section 4a: Class IV: Special Standards: pH, PWS
1BMDL051.36	VAV-B11R_MDL02A00	A	PS02	0	10	S	0	9	S	0	10	S	4	12	IM						0	S																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL060.48	VAV-B10R_MDL02A00	A	PS01	0	64	S	0	58	S	0	64	S	34	65	IM						0	S																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL066.05	VAV-B10R_MDL02A00	A,B	PS01	0	4	S	0	4	S	0	4	S																			IM							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL066.84	VAV-B10R_MDL03A00	A,B	PS01	0	4	S	0	4	S	0	4	S																			IM							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-FOMR15.57-SOS	VAV-B15R_MDL01A00	CMON	PS11																											LP							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-FOMR32.01-SOS	VAV-B12R_MDL01A00	CMON	PS07																											LP							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-FOMR42.31-SOS	VAV-B12R_MDL01A00	CMON	PS07																											MP							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-FOMR46.09-SOS	VAV-B11R_MDL01A00	CMON	PS02																											HP							WQS - Basin 1B: Section 4a: Class IV: Special Standards: pH, PWS
1BMDL-FOMR-Chittum-SOS	VAV-B11R_MDL01A00	CMON	PS02																											MP							WQS - Basin 1B: Section 4a: Class IV: Special Standards: pH, PWS
1BMDL-FOMR-Cline-SOS	VAV-B12R_MDL01A00	CMON	PS07																											MP							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-FOMR-Godfrey-SOS	VAV-B10R_MDL02A00	CMON	PS01																											HP							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-FOMR-Higginson-SOS	VAV-B10R_MDL02A00	CMON	PS01																											MP							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-FOMR-Sweet-SOS	VAV-B10R_MDL03A00	CMON	PS01																											HP							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-GA10-FOSR	VAV-B15R_MDL01A00	FOSR	PS11	0	60	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-GA11-FOSR	VAV-B15R_MDL01A00	FOSR	PS11	0	63	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-GA12-FOSR	VAV-B12R_MDL01A00	FOSR	PS07	0	96	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-GA13-FOSR	VAV-B12R_MDL01A00	FOSR	PS07	0	114	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-GA17-FOSR	VAV-B10R_MDL01A00	FOSR	PS01	0	80	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-GA17MR-FOSR	VAV-B10R_MDL02A00	FOSR	PS01	0	75	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-GA18-FOSR	VAV-B10R_MDL03A00	FOSR	PS01	0	88	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-GA28-FOSR	VAV-B12R_MDL01A00	FOSR	PS07	0	97	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-GA33-FOSR	VAV-B12R_MDL01A00	FOSR	PS05	0	113	S																																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMDL-GA38-FOSR	VAV-B11R_MDL01A00	FOSR	PS02	0	113	S															0	S																WQS - Basin 1B: Section 4a: Class IV: Special Standards: pH, PWS
1BMDW000.18	VAV-B14R_LMR01A00	A	PS10	4	12	IM	0	12	S	0	12	S	1	12	IM						0	S																WQS - Basin 1B: Section 3: Class VI: Special Standards: pH. No new bacteria data in 2014, remains impaired.
1BMFT001.43	VAV-B13R_MFT01A00	A	PS05	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMFT002.46	VAV-B13R_MFT01A00	A,B	PS05	0	5	S	0	5	S	0	5	S																			FS							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BMFT006.20	VAV-B13R_MFT01A00	A	PS05	0	43	S	0	38	S	0	43	S	10	44	IM																							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BMIC001.00	VAV-B29R_MIC01A00	A,B	PS26	0	39	S	0	37	S	0	37	S	25	36	IM							0	S								IM							01 DDT WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BMIC-JR12-FOSR	VAV-B29R_MIC01A00	FOSR	PS26	0	49	S																															WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BMIL002.20	VAV-B48R_MIL01A00	A,B	PS63	0	17	S	0	16	S	0	17	S	3	12	IM																FS							WQS - Basin 1B: Section 6e: Class V: Special Standards: pH2008 FC bacteria 8/16 = IM
1BMIL005.67	VAV-B48R_MIL02B10	A,B	PS63	0	3	S	0	3	S	0	3	S																			FS							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH2008 FC bacteria 2/13 = IM
1BMIL006.68	VAV-B48R_MIL03A04	A,B	PS63	0	2	S	0	2	S	0	2	S	1	1	W				0	S	0	S									IM							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH2008 FC bacteria 2/13 = IM
1BMIL007.79	VAV-B48R_MIL03A04	A,B	PS63	0	3	S	0	3	S	0	3	S																			FS							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BMLC000.40	VAV-B38R_MLC01A00	A	PS41	0	72	S	0	71	S	0	71	S	22	72	IM																							WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BMLC-FP13B-FOSR	VAV-B38R_MLC01A00	FOSR	PS41	0	20	S																															WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BMLC-FP13-FOSR	VAV-B38R_MLC01A00	FOSR	PS41	0	104	S																															WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BMLC-FP13-PCCM	VAV-B38R_MLC01A00	NONA	PS41	0	2	IN							0	2	IN/O																							Temperature & Coli-scan data Level II Remains IN/O for bacteria, no new data WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BMLC-FP616-PCCM	VAV-B38R_MLC01A00	NONA	PS41	0	5	IN							8	11	IN/O																							Temperature & Coli-scan data Level II WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BMLC-Hamburg-PCCM	VAV-B38R_MLC01A00	NONA	PS41	0	11	IN							3	17	IN/O																							Temperature & Coli-scan data Level II WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BMLC-MCXrds-PCCM	VAV-B38R_MLC01A00	NONA	PS41	0	15	IN							8	21	IN/O																							Temperature & Coli-scan data Level II WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BMLC-NS46-FOSR	VAV-B48R_MIL01A00	FOSR	PS63	5	72	S																															WQS - Basin 1B: Section 6: Class V: Special Standards: pH
1BMLS002.37	VAV-B31R_MLS02A10	A,B	PS29	0	2	S	0	2	S	1	2	IN																			IM							WQS - Basin 1B: Section 3: Class V; Special Standards: pH
1BMSS001.35	VAV-B19R_MSS01A00	A	PS15	1	58	S	0	56	S	0	57	S	13	59	IM																							WQS - Basin 1B: Section 5b: Class V: Special Standards: pH, PWS
1BMSS003.01	VAV-B19R_MSS02A00	A,B	PS15	0	4	S	0	4	S	0	4	S																			IM							Site has degraded since 2006 assessment. WQS - Basin 1B: Section 5b: Class V: Special Standards: pH
1BMSS-JR05-FOSR	VAV-B19R_MSS01A00	FOSR	PS15	2	113	S															0	S																WQS - Basin 1B: Section 5b: Class V: Special Standards: pH, PWS
1BMSS-MC1-SOS	VAV-B19R_MSS02A00	CMON	PS15																												MP							SOS data Level II WQS - Basin 1B: Section 5b: Class V: Special Standards: PWS, pH
1BMTR000.93	VAV-B47R_MTN01A00	A	PS60	0	47	S	0	46	S	0	47	S	15	48	IM																							WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH
1BMTR003.25	VAV-B47R_MTN01A00	A,B	PS60	0	2	S	0	2	S	0	2	S																			FS							WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH
1BNAK000.30	VAV-B36R_NAK01A00	A,B	PS36	0	3	S	0	3	S	0	3	S																			FS							WQS - Basin 1B: Section 2d: Class IV: Special Standards:
1BNAK001.24	VAV-B36R_NAK01A00	A,B	PS36	0	565	S	0	6	S	0	565	S	0	12	S							0	S								IM							Continuous monitoring data available for Temp., DO and pH. DO evaluated based on the 5 mg/l daily average standard. 0 of 5 days violated the daily standard. WQS - Basin 1B: Section 2d: Class IV: Special Standards: pH2008 FC bacteria 0/20 = S
1BNAK-FP11-FOSR	VAV-B36R_NAK01A00	FOSR	PS36	0	90	S																															WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BNFS000.57	VAV-B51R_NFS01A00	A,C,FPM,TR	PS78	0	39	S	0	38	S	0	39	S	6	37	IM																							2 samples of Hg in Lmouth Bass, 1 sample of Arsenic in Smouth Bass, 10 samples of PCB in Carp (4), Smouth Bass (1), Channel Catfish (4), White Sucker (1) VDH Fish Advisory Data outside 2014 window. WQS - Basin 1B: Section 6: Class IV: Special Standards: p
1BNFS010.34	VAV-B51R_NFS04A00	A,TR	PS70	0	198	S	0	194	S	0	194	S	6	37	IM				0	S	0	S																WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH Trend analysis was performed at station 1BNFS010.34 in the 2006 cycle. Statistically significant trends were detected for the following parameter(s): Oxidized Nitrogen (Nitrate/Nitrite) (incr)
1BNFS011.81	VAV-B51R_NFS05A00	SS	PS70	0	7	S	0	7	S	0	7	S							0	S																		WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS020.11	VAV-B51R_NFS07A00	A,B	PS70	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	0	S							FS							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS037.89	VAV-B50R_NFS01A00	A,B	PS69	0	54	S	0	51	S	0	51	S	3	11	IM				0	S	0	S									FS							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS043.06	VAV-B50R_NFS02A00	A	PS68	0	5	S	0	5	S	0	5	S	0	5	S																							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BNFS046.79	VAV-B50R_NFS02A00	A	PS68	0	1	W				0	2	S									0	S																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS054.48	VAV-B50R_NFS03A00	B	PS68																												FS							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH, PWS
1BNFS054.75	VAV-B50R_NFS03A00	A,C	PS68	0	1	W				0	1	W									0	W																2 samples of Arsenic in Smouth Bass & Fall Fish Data outside 2014 window. WQS - Basin 1B: Section 6: Class IV: Special Standards: pH, PWS. Water toxics not assessed based on only one sample available for assessment.
1BNFS059.59	VAV-B50R_NFS04A00	A	PS68	0	1	W																																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS062.18	VAV-B48R_NFS01A00	A	PS64	0	5	S	0	5	S	0	5	S	0	5	S																							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH, 2 violations of 11 for bacteria in 2010, new data indicate move to insufficient information, not adequate for de-listing
1BNFS066.50	VAV-B48R_NFS01A00	A	PS64	0	9	S	0	9	S	0	9	S																										WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS070.67	VAV-B48R_NFS01A00	A,TR	PS64	0	73	S	0	72	S	0	71	S	7	36	IM				0	S	0	S																WQS - Basin 1B: Section 6: Class IV: Special Standards: pHTrend analysis was performed at station 1BNFS070.67 in the 2006 cycle. No statistically significant trends were detected.
1BNFS073.75	VAV-B45R_NFS01A00	A,B	PS58	0	18	S	0	16	S	0	18	S	3	12	IM																	FS							WQS - Basin 1B: Section 6: Class IV Special Standards: pH
1BNFS074.93	VAV-B45R_NFS01A00	A	PS58	0	1	W																																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS076.56	VAV-B45R_NFS02A00	A	PS57	0	11	S	0	11	S	0	11	S	2	11	IM																							WQS - Basin 1B: Section 6f: Class IV: Special Standards: pH
1BNFS081.42	VAV-B45R_NFS02A00	A	PS57	0	6	S	0	6	S	0	6	S	2	6	IM																							WQS - Basin 1B: Section 6f: Class IV: Special Standards: pH
1BNFS087.35	VAV-B45R_NFS02A00	A,B	PS57	0	4	S	0	3	S	0	4	S																				IM							Site has degraded since 2006 assessment. WQS - Basin 1B: Section 6f: Class IV: Special Standards: pH
1BNFS088.81	VAV-B45R_NFS02B08	A,B	PS57	0	5	S	0	4	S	0	5	S																				FS							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH, change from IM in 2012
1BNFS089.81	VAV-B45R_NFS03A00	A	PS55	0	1	W																																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS090.16	VAV-B45R_NFS03A00	A	PS55	0	6	S	0	6	S	0	6	S	1	6	IN																							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH2008 FC bacteria 2/12 = IM
1BNFS093.53	VAV-B45R_NFS04A04	A,C,TR	PS55	0	40	S	0	39	S	0	39	S	3	36	S						0	W																1 Hg in Channel Catfish, 3 of Arsenic in 3 species Outside 2014 window. WQS- Basin 1B: Section 6: Class IV: Sp Stds: pH 06 Trend analyss showed no significant trend. Water toxics not assessed based on only one sample available for assessment.
1BNFS094.51	VAV-B45R_NFS04A04	A,B	PS55	0	4	S	0	4	S	0	4	S																				FS							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS098.22	VAV-B43R_NFS01A00	A	PS51	0	12	S	0	12	S	0	12	S	2	11	IM						0	S																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS107.86	VAV-B42R_NFS01A00	A,B	PS51	0	5	S	0	5	S	0	5	S																				IM							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH2008 FC bacteria 1/11 = S
1BNFS-NFS5-SOS	VAV-B50R_NFS01A00	CMON	PS69																												MP							SOS data Level II WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS-NR02-FOSR	VAV-B45R_NFS03A00	FOSR	PS55	0	99	S	0	1	W	0	1	W	3	18	IM						0	S																WQS - Basin 1B: Section 6f: Class IV: Special Standards: pH, PWS
1BNFS-NS07-FOSR	VAV-B50R_NFS01A00	FOSR	PS69	0	79	S																																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS-NS10-FOSR	VAV-B50R_NFS04A00	FOSR	PS68	0	88	S							2	18	IM																							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS-NS15-FOSR	VAV-B51R_NFS04A00	FOSR	PS70	0	92	S															0	S																WQS - Basin 1B: Section 6b: Class IV: Special Standards: pH, PWS
1BNFS-NS25-FOSR	VAV-B50R_NFS02A00	FOSR	PS68	0	72	S																																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS-NS26-FOSR	VAV-B50R_NFS03A00	FOSR	PS68	0	104	S																																WQS - Basin 1B: Section 6d: Class IV: Special Standards: pH, PWS
1BNFS-NS59-FOSR	VAV-B51R_NFS06A00	FOSR	PS70	0	97	S															0	S																WQS - Basin 1B: Section 6c: Class IV: Specials Standards: pH, PWS
1BNFS-NS63-FOSR	VAV-B50R_NFS02A00	FOSR	PS68	0	112	S																																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS-NS66-FOSR	VAV-B50R_NFS02A00	FOSR	PS68	0	78	S																																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS-NS67-FOSR	VAV-B50R_NFS01A00	FOSR	PS69	0	72	S							0	18	S																							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS-NS69-FOSR	VAV-B50R_NFS02A00	FOSR	PS68	0	78	S																																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS-POI 5-FOSR	VAV-B45R_NFS01A00	FOSR	PS58										3	18	IM																							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNFS-TBV1-FOSR	VAV-B50R_NFS02A00	FOSR	PS57	0	110	S	0	2	S	0	2	S									0	S																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BNFS-TBV2-FOSR	VAV-B45R_NFS02A00	FOSR	PS57	0	111	S	0	2	S	0	2	S									0	S																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BNKD000.80	VAV-B28R_NKD01A00	A	PS24	0	58	S	0	54	S	0	58	S	32	59	IM																						WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BNKD-JA01-FOSR	VAV-B28R_NKD01A00	FOSR	PS24	0	108	S																															WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BNKD-NC1-FOSR	VAV-B28R_NKD02A10	FOSR	PS24										0	20	S																						WQS - Basin 1B: Section 5: Class V: Special Standards: pH
1BNKD-NC1-SOS	VAV-B28R_NKD01A00	CMON	PS24																												LP						SOS data Level II WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BNKD-NC5-FOSR	VAV-B28R_NKD01A00	FOSR	PS24										17	18	IM																						WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BNKD-NC6-FOSR	VAV-B28R_NKD01A00	FOSR	PS24										17	18	IM																						WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BNKN-1-PTK	VAV-B28R_NKN01A00	CMON	PS24	0	11	IN				0	11	S	0	5	IN																						Temp and E-coli (Coli-scan) Level II: pH Level III WQS - Basin 1B: Section 5; Class IV: Special Standards: pH
1BNKN-2-PTK	VAV-B28R_NKN01A00	CMON	PS24	0	11	IN				0	11	S	0	5	IN																						Temp and E-coli (Coli-scan) Level II: pH Level III WQS - Basin 1B: Section 5; Class IV: Special Standards: pH
1BNKN-NC2-FOSR	VAV-B28R_NKN01A00	FOSR	PS24										10	18	IM																						WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BNKN-NC3-FOSR	VAV-B28R_NKN01A00	FOSR	PS24										9	18	IM																						WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BNKN-NC4-FOSR	VAV-B28R_NKN01A00	FOSR	PS24										5	6	IM																						WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BNKW001.97	VAV-B36R_NKW01A00	A,B,FPM	PS36	0	12	S	0	12	S	0	12	S									0	S									FS						WQS - Basin 1B: Section 2d: Class IV: Special Standards: pH
1BNKW-NAKED01-PATC	VAV-B36R_NKW02A10	CMON	PS36	0	4	IN				2	4	IN/O																			LP						All data Level II WQS - Basin 1B: Section 2d: Class VI: Special Standards: pH
1BNPC000.02	VAV-B50R_NPC01A00	A	PS68	0	23	S	0	22	S	0	23	S	7	23	IM																						WQS - Basin 1B: Section 6d: Class IV: Special Standards: pH PWS
1BNTH000.18	VAV-B23R_NTH01A04	A	PS26	0	54	S	0	49	S	0	51	S	1	12	IM				0	S	0	S															WQS - Basin 1B: Section 5: Class IV: Special Standards: pH, Remains impaired for bacteria in 2014, no new data.
1BNTH004.39	VAV-B23R_NTH01A04	A	PS26	0	36	S	0	34	S	0	36	S							0	S																	WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BNTH007.69	VAV-B23R_NTH01B10	A	PS26	0	12	S	0	12	S	0	12	S	3	12	IM																						WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BNTH014.08	VAV-B23R_NTH02A04	A,TR	PS25	0	35	S	0	35	S	0	35	S	8	36	IM																						WQS - Basin 1B: Section 5: Class IV Special Standards: pHTrend analysis was performed at station 1BNTH014.08 in the 2006 cycle. Statistically significant trends were detected for the following parameter(s): Dissolved Oxygen % Saturation (increasing)
1BNTH014.48	VAV-B23R_NTH02A04	A,B	PS25	0	5	S	0	5	S	0	5	S																			IM						Site had degraded since 2006 assessment. WQS - Basin 1B: Section 5: Class IV Special Standards: pH
1BNTH015.45	VAV-B23R_NTH02A04	A,B	PS25	0	4	S	0	4	S	0	4	S									0	W									FS						WQS - Basin 1B: Section 5: Class IV: Special Standards: pH. Water toxics not assessed based on only one sample available for assessment.
1BNTH015.66	VAV-B23R_NTH02A04	A,FPM	PS25	0	1	W	0	1	W	0	1	W	0	1	W				0	S	0	S															WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BNTH022.25	VAV-B23R_NTH04A04	A	PS25	0	12	S	0	12	S	0	12	S	5	12	IM																						WQS - Basin 1B: Section 5b: Class IV: Special Standards: pH, PWS
1BNTH026.23	VAV-B17R_NTH02A00	SS	PS16	0	12	S	0	12	S	0	12	S	1	12	S						0	W															WQS - Basin 1B: Section 5: Class IV: Special Standards: pH, PWS. Water toxics not assessed based on only one sample available for assessment.
1BNTH029.30	VAV-B17R_NTH02A00	A	PS16	0	6	S	0	6	S	0	6	S	3	6	IM																						WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BNTH037.23	VAV-B16R_NTH01A00	A	PS12	0	12	S	0	11	S	1	12	S	0	12	S						0	S															WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BNTH043.48	VAV-B16L-01	L	PS12	0	149	S	4	52	S	0	149	S	0	14	S						0	S												0	2		Fully supporting for nutrients in 2014. All other parameters fully supporting in 2014. WQS - Basin 1B: Section 5e; Class VI: Special Standards: PWS
1BNTH045.36	VAV-B16L_NTH01A04	L	PS12	37	139	IM	5	85	S	0	139	S	0	14	S						0	S												0	2		Fully supporting for nutrients in 2014, lake remains impaired for temperature in 2014. WQS - Basin 1B: Section 5e; Class VI: Special Standards: PWS
1BNTH046.56	VAV-B16R_NTH03A00	A,B,FPM	PS12	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	0	S							FS						WQS - Basin 1B: Section 5e: Class VI: Special Standards: PWS
1BNTH046.75	VAV-B16R_NTH03A00	B	PS12	0	1	W	0	1	W	0	1	W																			FS						WQS - Basin 1B: Section 5e: Class VI: Special Standards: PWS. No new pH data in 2014,
1BNTH-GA36-FOSR	VAV-B23R_NTH01B10	FOSR	PS25	0	63	S																															WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BNTH-GA37-FOSR	VAV-B16R_NTH03A00	FOSR	PS12	0	75	S															0	S															WQS - Basin 1B: Section 5e: Class VI: Special Standards: pH, PWS

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BNTH-JR04-FOSR	VAV-B17R_NTH02A00	FOSR	PS16	0	112	S															0	S																WQS - Basin 1B: Section 5b: Class IV: Special Standards: pH, PWS
1BNTH-JR09-FOSR	VAV-B23R_NTH02A04	FOSR	PS25	0	96	S																																WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BNTH-JR11-FOSR	VAV-B23R_NTH02A04	FOSR	PS25	0	74	S																																WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BOVL-FP15-FOSR	VAV-B40R_OVL01A00	FOSR	PS45	1	59	S																																WQS - Basin 1B: Section 2: Class VI: Special Standards: pH
1BPCD000.20	VAV-B15R_PCD01A00	A	PS11	0	43	S	2	39	S	0	43	S	21	42	IM																							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BPDY-CC05-FOSR	VAV-B52R_PDY01A00	FOSR	PS71										0	17	S																							WQS - Basin 1B: Section 6b: Class VI: Special Standards: PWS, pH
1BPGE000.09	VAV-B57R_PGE01A00	A	PS83	1	37	S	0	35	S	0	37	S	26	39	IM						0	S																WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BPGE-FC09-FOSR	VAV-B57R_PGE02A10	FOSR	PS83	0	93	S	0	9	S	0	6	S									0	S																WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BPGH000.29	VAV-B50R_PGH01A00	A,B,PFWQ	PS68	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	0	S							IM							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BPGH-NS22-FOSR	VAV-B50R_PGH01A00	FOSR	PS68	0	26	S																																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BPLR000.08	VAV-B27R_PLR01A00	A,B	PS25	0	4	S	0	4	S	0	4	S	1	1	W				0	S	0	S	1	O							IM							WQS - Basin 1B: Section 5: Class IV: Special Standards: pH One sample exceeded the screening value for Chromium
1BPLR000.16	VAV-B27R_PLR01A00	A	PS25	0	36	S	0	34	S	0	34	S	35	36	IM						0	S																WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BPLR-JR10-FOSR	VAV-B27R_PLR01A00	FOSR	PS25	0	103	S																																WQS - Basin 1B: Section 5: Class IV: Special Standards: pH
1BPNE000.04	VAV-B30R_PNE01A00	A	PS27	0	6	S	0	6	S	0	6	S	3	6	IM																							WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BPNE001.60	VAV-B30R_PNE01A00	A,B,FPM	PS27	0	1	W	0	1	W	0	1	W	0	1	W				0	S	0	S	0	S							IM							WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BPOR-GA25-FOSR	VAV-B30R_POR01A00	FOSR	PS27	0	89	S																																WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BPSG000.20	VAV-B54R_PSG01A00	A,B	PS77	0	3	S	0	3	S	0	3	S																			FS							WQS - Basin 1B: Section 4: Class IV: Special Standards: pH
1BPSG001.36	VAV-B54R_PSG01A00	A,C,TR	PS77	0	37	S	0	36	S	0	37	S	5	37	IM																							2 samples of Arsenic in Redbreast Sunfish & Rock Bass Data outside 2014 window. WQS - Basin 1B: Section 6: Class IV: Special Standards: pH. Trend analysis was performed at station 1BPSG001.36 in the 2006 cycle. No statistically significant trends.
1BPSG018.13	VAV-B54R_PSG01C10	A	PS77	0	12	S	0	12	S	0	12	S	3	12	IM						0	S																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BPSG031.99	VAV-B54R_PSG03A10	A,B	PS76	0	2	S	0	2	S	0	2	IM																			FS							WQS - Basin 1B: Section 6: Class V: Special Standards: Ph. No new pH data for 2014, remains impaired.
1BPSG-1-SOS	VAV-B54R_PSG01A00	CMON	PS77																												LP							SOS data Level II WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BPSG-FW40-FOSR	VAV-B54R_PSG01A00	FOSR	PS77	0	5	S	0	5	S	0	4	S									0	S																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BPSG-NS68-FOSR	VAV-B54R_PSG01C10	FOSR	PS77	0	70	S																																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BPSS000.64	VAV-B39R_PSS01A00	A	PS43	0	12	S	0	11	S	0	12	S	2	12	IM																							WQS - Basin 1B: Section 2: Class VI: Special Standards: pH
1BPSS-FP06-FOSR	VAV-B39R_HKS01A00	FOSR	PS43	0	103	S																																WQS - Basin 1B: Section 2: Class IV: Specials Standards: pH
1BPSS-FP07B-PCCM	VAV-B39R_PSS01A00	NONA	PS43	0	17	IN							1	23	IN/O																							Temperature & Coli-scan data Level II Remains IN/O for bacteria, no new data WQS - Basin 1B: Section 2: Class VI: Special Standards: pH
1BPSS-FP07-FOSR	VAV-B39R_PSS01A00	FOSR	PS43	0	59	S																																WQS - Basin 1B: Section 2: Class VI: Special Standards: pH
1BPSS-FP07-PCCM	VAV-B39R_PSS01A00	NONA	PS43	0	17	IN							2	23	IN/O																							Temperature & Coli-scan data Level II Remains IN/O for bacteria, no new data WQS - Basin 1B: Section 2: Class VI: Special Standards: pH
1BPSS-FP17-FOSR	VAV-B39R_PSS01A00	FOSR	PS43	29	74	IM																																WQS - Basin 1B: Section 2: Class VI: Special Standards: pH
1BQAL004.30	VAV-B35R_QAL01A00	A,B	PS35	0	74	S	0	74	S	0	75	S	7	27	IM																IM							Benthic SV in 2004 (improved) WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BQAL005.04	VAV-B35R_QAL03A00	A,B	PS35	0	5	S	0	5	S	0	5	S																			IM							WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BQAL005.09	VAV-B35R_QAL03A00	A,B	PS35	0	5	S	0	5	S	0	5	S																			IM							Site had degraded since 2006 assessment. WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BQAL005.29	VAV-B35R_QAL03A00	A	PS35	0	70	S	0	70	S	0	70	S	15	71	IM																							WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BQAL-GA51-FOSR	VAV-B35R_QAL01A00	FOSR	PS35	0	7	S																																WQS - Basin 1B: Section 3: Class IV: Special Standards: pH

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BRSC001.42	VAV-B57R_RSC01A00	A	PS83	6	36	IM	0	34	S	0	36	S	15	37	IM						0	S																WQS - Basin 1B: Section 1c: Class VI: Special Standards: pH
1BRUN001.09	VAV-B44R_RUN01A00	A	PS54	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BSHN022.63	VAV-B58R_SHN01A00	A,TR	PS85	0	70	S	0	68	S	1	67	S	7	36	IM				0	S																		VDH Fish Advisory WQS - Basin 1B: Section 1a: Class IV: Special Standards: pHTrend analysis was performed at station 1BSHN022.63 in the 2006 cycle. No statistically significant trends were detected.
1BSHN028.15	VAV-B57R_SHN01A00	A,C	PS84	0	12	S	0	12	S	0	12	S	0	12	S																							2 samples below VDH threshold for Hg, 1 sample of As in Redbreast Sunfish; 10 samples with PCB in Carp (3), Channel Catfish (4), Shorthead Redhorse Sucker (1), Redbreast Sunfish (1) & Smouth Bass (1) Data outside 2014 window. WQS - Basin 1B: Section 1a:
1BSHN032.65	VAV-B57R_SHN02A00	A	PS84	0	14	S	0	14	S	0	14	S	1	12	S																							WQS - Basin 1B: Section 1a: Class IV: Special Standards: pH
1BSHN037.23	VAV-B57R_SHN03A00	A	PS82	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	0	S														WQS - Basin 1B: Section 1a: Class IV: Special Standards: pH
1BSHN038.48	VAV-B57R_SHN03A00	A	PS82	0	12	S	0	12	S	0	12	S	4	12	IM																							WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BSHN048.00	VAV-B55R_SHN01A00	A	PS80	1	12	S	0	12	S	0	12	S	1	12	IN																							VDH Fish Advisory WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BSHN052.75	VAV-B55R_SHN02A00	A	PS80	0	2	S	0	2	S	0	2	S																										WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BSHN-FC01-FOSR	VAV-B57R_SHN03A00	FOSR	PS82	0	97	S	0	9	S	0	6	S									0	S																WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BSHN-FC05-FOSR	VAV-B57R_SHN01A00	FOSR	PS85	0	102	S	0	8	S	0	6	S									0	S																WQS - Basin 1B: Section 1a: Class IV: Special Standards: pH, PWS
1BSHN-FC08-FOSR	VAV-B58R_SHN01A00	FOSR	PS85	0	96	S	0	9	S	0	6	S									0	S																WQS - Basin 1B: Section 1a: Class IV: Special Standards: pH
1BSKD003.18	VAV-B20L_01	L	PS17	50	335	IM	0	117	S	28	307	S	0	13	S						0	S													0	2		Fully supporting for nutrients in 2012. Lake assessed as impaired to previous standard for pH, new standard has lake meeting for pH. De-listed in 2010. Still impaired for temperature in 2014 WQS - Basin 1B: Section 5d: Class VI: Special Standard:
1BSMK004.84	VAV-B44R_SMK01A00	A	PS53	0	12	S	1	12	S	0	12	S	4	12	IM						0	S																WQS - Basin 1B: Section 6g: Class V: Special Standards: pH
1BSMT001.42	VAV-B47R_SMT01A00	A	PS62	0	6	S	0	6	S	0	6	S	2	6	IM																							WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH
1BSMT001.53	VAV-B47R_SMT01A00	A,B,FPM	PS62	0	2	S	0	2	S	0	2	S	1	1	W				0	S	0	S	0	S								FS						WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH
1BSMT004.60	VAV-B47R_SMT01A00	A,TR	PS62	0	112	S	0	111	S	0	112	S	21	59	IM						0	S																WQS - Basin 1B: Section 6e: Class IV: Special Standards: pHTrend analysis was performed at station 1BSMT004.60 in the 2006 cycle. No statistically significant trends were detected.
1BSMT006.62	VAV-B47R_SMT01A00	A,B	PS62	0	6	S	0	6	S	0	6	S																				FS						WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH
1BSMT009.08	VAV-B47R_SMT01A00	A,B,FPM	PS62	0	2	S	0	2	S	0	2	S	1	1	W				0	S	0	S	0	S								IM						WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH
1BSMT019.26	VAV-B47R_SMT03A00	A	PS62	0	17	S	0	17	S	0	17	S	6	18	IM																							WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH, PWS
1BSMT023.18	VAV-B47R_SMT03A00	A	PS61	0	36	S	0	35	S	0	36	S	15	36	IM																							WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH, PWS
1BSMT026.41	VAV-B47R_SMT04A00	A	PS60	0	12	S	0	12	S	0	12	S	7	12	IM																							WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH, PWS
1BSMT-DN-WAR-FOSR	VAV-B47R_SMT02A00	FOSR	PS62	0	15	S	0	16	S	0	16	S	16	21	IM						0	S																WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH, PWS
1BSMT-HDW@SPR-FOSR	VAV-B47R_SMT04A00	FOSR	PS60	0	19	S	0	19	S	1	19	S	7	21	IM						0	S																WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH, PWS
1BSMT-HDW-DS-FOSR	VAV-B47R_SMT04A00	FOSR	PS60	0	19	S	0	19	S	0	19	S	9	22	IM						0	S																WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH, PWS
1BSMT-IT@SLAB-FOSR	VAV-B47R_SMT04A00	FOSR	PS60	0	20	S	0	20	S	0	20	S	18	22	IM						0	S																WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH, PWS
1BSMT-NS65-FOSR	VAV-B47R_SMT01A00	FOSR	PS62	0	30	S															0	S																WQS - Basin 1B: Section 6e: Class IV: Special Standards: PWS, pH
1BSMT-SC1-SOS	VAV-B47R_SMT01A00	CMON	PS62																												MP						SOS data Level II WQS - Basin 1B: Section 6e: Class IV: Special Standards: PWS, pH
1BSMT-SC3-FOSR	VAV-B47R_SMT01A00	FOSR	PS62										15	29	IM						0	S																WQS - Basin 1B: Section 6e: Class IV: Special Standards: PWS, pH
1BSMT-SC4-FOSR	VAV-B47R_SMT01A00	FOSR	PS62	0	3	S	0	3	S	0	3	S	16	30	IM						0	S																WQS - Basin 1B: Section 6e: Class IV: Special Standards: PWS, pH
1BSMT-SC5-FOSR	VAV-B47R_SMT03A00	FOSR	PS61	0	11	S	0	10	S	0	11	S	29	40	IM						0	S																WQS - Basin 1B: Section 6e: Class IV: Special Standards: PWS, pH
1BSNN000.18	VAV-B35R_SNN01A00	A	PS34	0	1	W				0	1	W									0	W																WQS - Basin 1B: Section 3: Class IV: Special Standards: pH. Water toxics not assessed based on only one sample available for assessment.

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BSPR000.40	VAV-B57R_SPR01A00	A,B	PS83	0	29	S	0	25	S	0	29	S	10	31	IM						0	S									IM							WQS - Basin 1B: Section 1c: Class VI Special Standards: pH
1BSPR003.13	VAV-B57R_SPR01A00	B	PS83																											IM							WQS - Basin 1B: Section 1c: Class VI Special Standards: pH
1BSPR-FC02-FOSR	VAV-B57R_SPR01A00	FOSR	PS83	0	97	S	0	8	S	0	6	S									0	S																WQS - Basin 1B: Section 1c: Class VI: Special Standards: pH
1BSSF000.19	VAV-B41R_SSF01A00	A,C	PS47	0	13	S	0	13	S	0	13	S	5	12	IM																							5 samples of Hg in Smouth Bass, Channel Catfish, Lmouth Bass (3), 4 samples of As in Smouth Bass & Lmouth Bass(3) 14 samples of PCB in Lmouth Bass (3), Redbreast Sunfish (1), Channel Catfish (5) & Carp (5) VDH Fish Advisory Data outside 2014 window.
1BSSF003.50	VAV-B41R_SSF02A00	A	PS47	0	37	S	0	36	S	1	34	S							0	S																		VDH Fish Advisory WQS - Basin 1B: Section 2: Class IV: Special Standards: PWS
1BSSF003.56	VAV-B41R_SSF02A00	A,TR	PS47	0	161	S	0	157	S	6	160	S	4	37	IM						0	S																VDH Fish Advisory WQS - Basin 1B: Section 2: Class IV: Special Standards: PWSTrend analysis was performed at station 1BSSF003.56 in the 2006 cycle. Statistically significant trends were detected for the following parameter(s): Dissolved Oxygen % Sat.
1BSSF009.58	VAV-B41R_SSF04A00	A	PS47	0	13	S	0	12	S	0	13	S	2	13	IM						0	S																VDH Fish Advisory WQS - Basin 1B: Section 2b: Class IV: Special Standards: pH
1BSSF031.38	VAV-B40R_SSF02A00	A	PS44	0	35	S	0	33	S	0	35	S	1	13	S				0	S	0	S																VDH Fish Advisory WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BSSF040.97	VAV-B40R_SSF02A00	A,FPM	PS44	0	3	S	0	3	S	0	3	S	0	1	W				0	S	0	S	0	S														VDH Fish Advisory WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BSSF046.67	VAV-B38R_SSF01A00	A	PS41	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																VDH Fish Advisory WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BSSF053.05	VAV-B38R_SSF01A00	A,B	PS41	0	5	S	0	4	S	0	4	S																			IM							VDH Fish Advisory WQS - Basin 1B: Section 2b: Class IV: Special Standards: pH
1BSSF053.09	VAV-B38R_SSF01A00	SS	PS41	0	1	W	0	1	W	0	1	W									0	W																VDH Fish Advisory WQS - Basin 1B: Section 2b: Class IV: Special Standards: pH. Water toxics not assessed based on only one sample available for assessment.
1BSSF054.20	VAV-B38R_SSF01A00	A,C,TR	PS41	0	7654	S	0	148	S	0	7652	S	6	36	IM				0	S																		Continuous monitoring data for Temp., DO and pH. DO evaluated based on the 5 mg/l daily average standard. 0 of 148 days violated the daily standard. 2 samples of Hg in Redbreast Sunfish and Smouth Bass. VDH Fish Advisory Data outside 2014 window.
1BSSF066.98	VAV-B37R_SSF02A10	A	PS37	0	2	S	0	1	W	0	2	S	0	1	W				0	S	0	S	1	O														VDH Fish Advisory WQS - Basin 1B: Section 2: Class IV: Special Standards: pH One sample exceeded the screening value for Mercury
1BSSF068.83	VAV-B37R_SSF02A10	SS	PS37	0	12	S	0	12	S	0	12	S	1	12	S																							VDH Fish Advisory WQS - Basin 1B: Section 2b: Class IV: Special Standards: pH
1BSSF078.18	VAV-B37R_SSF02A10	A,B	PS37	0	4	S	0	4	S	0	4	S																			IM							VDH Fish Advisory, Benthic MI in 2004 (improving) WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSSF078.20	VAV-B37R_SSF02A10	A	PS37	0	60	S	0	58	S	0	60	S	1	24	S				0	S																		VDH Fish Advisory WQS - Basin 1B: Section 3: Class IV: Special Standards: pH,
1BSSF085.08	VAV-B35R_SSF01A00	A	PS35	0	12	S	0	12	S	0	12	S	1	12	S																							VDH Fish Advisory WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSSF086.12	VAV-B35R_SSF01A00	A,B,FPM	PS35	0	5	S	0	5	S	0	5	S																			FS							VDH Fish Advisory WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSSF092.69	VAV-B35R_SSF01A00	A	PS34	0	23	S	0	21	S	0	23	S	1	12	S				0	S	0	S																VDH Fish Advisory WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSSF096.03	VAV-B35R_SSF01A00	A	PS34	0	12	S	0	12	S	0	12	S	1	12	S																							VDH Fish Advisory WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSSF100.10	VAV-B33R_SSF01A00	A,B,TR	PS32	0	7489	S	0	153	S	0	7486	S	4	71	S				0	S	0	S									IM							Continuous monitoring data for Temp. DO and pH. DO evaluated based on the 5 mg/l daily average standard. 0 of 153 days violated the standard. 1 sample of Hg in Smouth Bass, 1 sample of PCB in Smouth Bass VDH Fish Advisory Data outside 2014 window.
1BSSF-FP01-FOSR	VAV-B37R_SSF02A10	FOSR	PS37	0	90	S																																WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BSSF-FP02-FOSR	VAV-B37R_SSF01A00	FOSR	PS39	0	3	S																																WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BSSF-FP03-FOSR	VAV-B38R_SSF01A00	FOSR	PS41	0	77	S																																WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BSSF-FP05-FOSR	VAV-B40R_SSF02A00	FOSR	PS45	0	59	S																																WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BSSF-FP211-PCCM	VAV-B38R_SSF01A00	NONA	PS41	0	10	IN							2	10	IN/O																							Temperature & Coli-scan data Level II WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BSSF-FR02-FOSR	VAV-B35R_SSF01A00	FOSR	PS35	0	8	S																																WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSSF-FW14-FOSR	VAV-B41R_SSF02A00	FOSR	PS47	0	46	S	0	27	S	0	29	S									0	S																WQS - Basin 1B: Section 2: Class IV: Special Standards: pH

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BSSF-GA50-FOSR	VAV-B33R_SSF01A00	FOSR	PS32	0	8	S																															WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH002.14	VAV-B32R_STH01A04	A,B	PS31	0	52	S	0	50	S	0	52	S	2	12	IM				0	S	0	S									IM							VDH Fish Advisory WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH004.59	VAV-B32R_STH01A04	A	PS31																				3	O														VDH Fish Advisory 3 sediment samples exceeded the screening value for Mercury WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH005.36	VAV-B32R_STH02A04	A,B	PS31	0	2	S	0	2	S	0	2	S	0	1	W				0	S	0	S	1	O							IM							VDH Fish Advisory 1 sediment sample exceeded the screening value for Mercury WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH007.80	VAV-B32R_STH02A04	A,TR	PS31	0	136	S	0	126	S	0	132	S	8	55	IM				0	S	0	S																VDH Fish Advisory WQS - Basin 1B: Section 3: Class IV: Special Standards: pHTrend analysis was performed at station 1BSTH007.80 in the 2006 cycle. Statistically significant trends were detected for the following parameter(s): Dissolved Oxygen % Sat.
1BSTH012.17	VAV-B32R_STH02A04	A	PS31																				2	O														VDH Fish Advisory 2 sediment samples exceeded the screening value for Mercury WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH012.68	VAV-B32R_STH02A04	A	PS31																				2	O														VDH Fish Advisory 2 sediment samples exceeded the screening value for Mercury WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH012.71	VAV-B32R_STH02A04	B,SS	PS31	0	43	S	0	41	S	0	43	S																			IM							VDH Fish Advisory WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH014.30	VAV-B32R_STH02A04	A	PS31																				3	O														VDH Fish Advisory 3 sediment samples exceeded the screening value for Mercury WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH014.62	VAV-B32R_STH02A04	A	PS31																				3	O														VDH Fish Advisory 1 sediment sample exceeded the screening value for Chromium, 2 sediment samples exceeded the screening value for Mercury WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH018.47	VAV-B32R_STH03A04	A	PS30																				2	O														VDH Fish Advisory 2 sediment samples exceeded the screening value for Mercury WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH018.73	VAV-B32R_STH03A04	A	PS30																				3	O														VDH Fish Advisory 3 sediment samples exceeded the screening value for Mercury WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH019.26	VAV-B32R_STH03A04	A	PS30	0	37	S	0	35	S	0	37	S																										WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH019.52	VAV-B32R_STH03A04	A,B	PS30	0	56	S	0	54	S	0	55	S	12	53	IM						0	W									IM							WQS - Basin 1B: Section 3: Class IV: Special Standards: pH. Water toxics not assessed based on only one sample available for assessment.
1BSTH020.85	VAV-B32R_STH03A04	A,B	PS30	0	12	S	0	11	S	0	12	S	2	12	IM																IM							VDH Fish Advisory WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH021.59	VAV-B32R_STH03A04	A,B	PS30	0	6	S	0	6	S	0	6	S																			IM							VDH Fish Advisory WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH022.19	VAV-B32R_STH03A04	A	PS30	0	38	S	0	36	S	2	38	S																										VDH Fish Advisory WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH022.31	VAV-B32R_STH03A04	A	PS30																				3	O														VDH Fish Advisory 1 sediment sample exceeded the screening value for Chromium & Copper, 2 sediment samples exceeded the screening value for Mercury WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH023.03	VAV-B32R_STH03A04	A	PS30																				1	O														VDH Fish Advisory 1 sediment sample exceeded the screening value for Mercury WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH023.73	VAV-B32R_STH03A04	A,C	PS30	0	7	S	0	7	S	0	7	S	2	6	IM																							5 samples of Hg in Redbreast Sunfish, Lmouth Bass (3) & Smouth Bass. 3 samples of Arsenic in Redbreast Sunfish, Lmouth Bass and Smouth Bass VDH Fish Advisory Data outside 2014 window. WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH024.70	VAV-B32R_STH04A04	A	PS30	0	2	S	0	2	S	0	2	S											3	O														VDH Fish Advisory 1 sediment sample exceeded the screening value for Nickel, Copper and Zinc WQS - Basin 2B: Section 3: Class V: Special Standards: pH
1BSTH024.96	VAV-B32R_STH04A04	SS	PS30	0	39	S	0	37	S	0	39	S																										VDH Fish Advisory WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH025.83	VAV-B32R_STH04A04	A	PS30	0	37	S	0	35	S	0	37	S							0	S																		WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH026.73	VAV-B32R_STH05A04	A	PS30	0	36	S	0	34	S	0	36	S							0	S																		WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH027.08	VAV-B32R_STH05A04	A,B	PS30	0	6	S	0	6	S	0	6	S																			IM							Site has degraded for benthics since 2010 assessment. WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH027.85	VAV-B32R_STH05A04	A,TR	PS30	0	68	S	0	66	S	0	65	S	11	71	IM						0	S																WQS - Basin 1B: Section 3: Class IV: Special Standards: pHTrend analysis was performed at station 1BSTH027.85 in the 2006 cycle. No statistically significant trends were detected.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BSTH029.45	VAV-B32R_STH05A04	A,B,FPM	PS30	0	1	W	0	1	W	0	1	W																		IM							WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH031.45	VAV-B32R_STH05A04	A	PS30	0	12	S	0	12	S	0	12	S	4	12	IM																						WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH036.84	VAV-B31R_STH01A00	A	PS28	0	6	S	0	6	S	0	6	S	5	6	IM																						WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH041.68	VAV-B30R_STH01A00	A	PS27	0	59	S	0	55	S	0	59	S	36	59	IM																						WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH044.90	VAV-B30R_STH01A00	A	PS27	0	6	S	0	6	S	0	6	S	4	6	IM																						WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH-GA01-FOSR	VAV-B32R_STH01A04	FOSR	PS31	0	69	S																															WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH-GA02A-FOSR	VAV-B32R_STH01A04	FOSR	PS31	0	71	S																															WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH-GA02B-FOSR	VAV-B32R_STH01A04	FOSR	PS31	0	72	S																															WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH-GA02-FOSR	VAV-B32R_STH02A04	FOSR	PS31	0	73	S																															WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH-GA04-FOSR	VAV-B32R_STH03A04	FOSR	PS30	0	63	S																															WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH-GA08-FOSR	VAV-B30R_STH01A00	FOSR	PS27	0	92	S																															WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH-GA21-FOSR	VAV-B32R_STH04A04	FOSR	PS30	0	43	S																															WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTH-GA23-FOSR	VAV-B31R_STH01A00	FOSR	PS28	0	94	S																															WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTO-GA24-FOSR	VAV-B30R_STO01A00	FOSR	PS27	0	10	S																															WQS - Basin 1B: Section 3: Class IV: Special Standards: pH
1BSTR-BHSR-PCCM	VAV-B37R_STR01A00	NONA	PS39	0	5	IN							0	9	IN																						Temperature & Coli-scan data Level II WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BSTR-CH-PCCM	VAV-B37R_STR01A00	NONA	PS39	0	5	IN							0	9	IN																						Temperature & Coli-scan data Level II WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BSTV000.20	VAV-B56R_STV01A00	A	PS79	0	56	S	4	55	S	0	55	S	9	56	IM																						WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BSTV-CR02-FOSR	VAV-B56R_STV01A00	FOSR	PS79	0	8	S				0	7	S									0	S															7 of 9 violations for DO last cycle, determined to be instrument malfunction; WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BSTV-PF01-FOSR	VAV-B56R_STV02A08	FOSR	PS79	0	12	S	0	8	S	0	7	S									0	S															WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BSTV-PF02-FOSR	VAV-B56R_STV02A08	FOSR	PS79	0	12	S	1	8	S	0	7	S									0	S															WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BSTY001.22	VAV-B49R_STY01A00	A	PS67	0	11	S	0	10	S	0	11	S	3	11	IM																						WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BSTY003.84	VAV-B49R_STY01A00	A	PS67	0	5	S	0	5	S	0	5	S	0	5	S																						WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BSTY004.24	VAV-B49R_STY01A00	A,B	PS67	0	5	S	0	5	S	0	5	S																			IM						WQS - Basin 1B: Section 6: Class V: Special Standards: pH
1BSTY005.91	VAV-B49R_STY03A00	B	PS67																												FS						WQS - Basin 1B: Section 6: Class V: Special Standards: pH
1BSTY006.81	VAV-B49R_STY03A00	A	PS67	2	5	IM	0	5	S	0	5	S	0	5	S																						WQS - Basin 1B: Section 6: Class V: Special Standards: pH
1BSTY013.85	VAV-B49R_STY05A04	A	PS65	3	10	IM	0	10	S	0	10	S	0	10	S																						WQS - Basin 1B: Section 6: Class V: Special Standards: pH
1BSTY023.05	VAV-B49L_STY01A10	L	PS65	0	68	S	34	63	IM	3	68	S																									Chlor A not evaluated, lake not in 187 Regulation. This lake has a DO impairment in the Hypolimnion that is natural. 1/35 vio of DO in epilimnion, 11/29 vio in hypolimnion All TSI OK (< 60) WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BSTY023.05	VAV-B49L_STY01A10	L	PS65	0	70	S	2	65	S	0	70	S	0	14	S						0	S															Chlor A not evaluated, lake not in 187 Regulation. This lake has a DO impairment in the Hypolimnion that is natural. 1/35 vio of DO in epilimnion, 11/29 vio in hypolimnion All TSI OK (< 60) WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BSTY024.31	VAV-B49R_STY06A10	A	PS65	0	6	S	0	6	S	0	6	S																									WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BSTY-LL01D-FNFSR	VAV-B49L_STY01A10	CMON	PS65	0	32	IN	0	17	IN	0	14	IN	1	22	S																						FNFSR Field parameter data Level II, All other data Level III WQS: Basin 1B: Section 6: Class IV: Special Standards: pH
1BSTY-LL01S-FNFSR	VAV-B49L_STY01A10	CMON	PS65	0	32	IN	0	16	IN	0	14	IN	0	23	S																						FNFSR Field parameter data Level II, All other data Level III WQS: Basin 1B: Section 6: Class IV: Special Standards: pH
1BSTY-LL02-FNFSR	VAV-B49L_STY01A10	CMON	PS65	0	32	IN	0	16	IN	0	14	IN	3	23	IM																						FNFSR Field parameter data Level II, All other data Level III WQS: Basin 1B: Section 6: Class IV: Special Standards: pH
1BSTY-NS29-FOSR	VAV-B49R_STY02A00	FOSR	PS67	13	110	IM																															WQS - Basin 1B: Section 6: Class V: Special Standards: pH

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BSTY-NS30-FOSR	VAV-B49R_STY03A00	FOSR	PS67	17	110	IM																															WQS - Basin 1B: Section 6: Class V: Special Standards: pH
1BSTY-NS58-FOSR	VAV-B49R_STY04A04	FOSR	PS66	15	111	IM																															WQS - Basin 1B: Section 6: Class V: Special Standards: pH
1BSTY-STY01-FNFSR	VAV-B49R_STY06A10	CMON	PS65	0	34	IN	0	19	IN	0	17	IN	1	24	S																						FNFSR Field parameter data Level II, All other data Level III WQS: Basin 1B: Section 6: Class IV: Special Standards: pH
1BSTY-STY-2-FNFSR	VAV-B49R_STY05A04	CMON	PS65	2	32	IN	0	19	IN	0	17	IN	1	24	S																						FNFSR Field parameter data Level II, All other data Level III WQS: Basin 1B: Section 6: Class V: Special Standards: pH
1BSTY-STY-3-FNFSR	VAV-B49R_STY06A10	CMON	PS65	0	17	IN	0	17	IN	0	15	IN	3	12	IM																						FNFSR Field parameter data Level II, All other data Level III WQS: Basin 1B: Section 6: Class IV: Special Standards: pH
1BSYR-Sto-1-SOS	VAV-B36R_SYR01A00	CMON	PS36																													MP						WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BTBL-NS44-FOSR	VAV-B51R_TBL02A04	FOSR	PS70	0	70	S							5	18	IM						0	S																WQS - Basin 1B: Section 6c: Class IV: Specials Standards: pH
1BTMB000.54	VAV-B50R_TMB01A00	A,B	PS69	0	18	S	0	17	S	0	18	S	2	12	S																		FS						Benthic MI in 2004 (improved) WQS - Basin 1B: Section 6: Class IV: Special Standards: pH. No new bacteria data in 2014, fully supporting carries forward.
1BTMB000.70	VAV-B50R_TMB01A00	A,B	PS69	0	3	S	0	3	S	0	3	S																					FS						WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BTMB-NS13-FOSR	VAV-B50R_TMB01A00	FOSR	PS69	0	97	S																															WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BTMB-TB1-FOSR	VAV-B50R_TMB01A00	FOSR	PS69	0	102	S																															WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BTMB-TB2-FOSR	VAV-B50R_TMB01A00	FOSR	PS69	0	35	S																															WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BTRL000.02	VAV-B45R_TRL01A00	A,B	PS55	0	1041	S	0	8	S	0	37	S	15	30	IM						0	S											IM						Continuous monitoring data available for Temp. and DO. DO evaluated based on the 5 mg/l daily average standard. 0 of 8 days violated the daily standard. WQS - Basin 1B: Section 6f: Class IV: Special Standards: pH
1BWAR-WAR-DN-FOSR	VAV-B47R_WAR01A00	FOSR	PS61	0	14	S	0	14	S	0	14	S	12	21	IM						0	S																	WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH, PWS
1BWAR-WAR-MD-FOSR	VAV-B47R_WAR01A00	FOSR	PS61	0	17	S	0	17	S	0	17	S	8	21	IM						0	S																	WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH, PWS
1BWAR-WAR-UP-FOSR	VAV-B47R_WAR01A00	FOSR	PS61	0	16	S	0	16	S	0	16	S	7	21	IM						0	S																	WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH, PWS
1BWLO000.71	VAV-B55R_WLO01A06	A	PS80	0	12	S	0	12	S	0	12	S	4	12	IM																								WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BWLO-WB01-FOSR	VAV-B55R_WLO01A06	FOSR	PS80	0	8	S	0	8	S	0	8	S									0	S																	WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BWLO-WB03-FOSR	VAV-B55R_WLO01A06	FOSR	PS80	0	8	S	0	8	S	0	8	S									0	S																	WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BWSB000.22	VAV-B58R_WSB01A00	A	PS85	0	6	S	0	6	S	0	6	S	5	5	IM																								WQS - Basin 1B: Section 1a: Class IV: Special Standards: pH
1BWSB-FC32-FOSR	VAV-B58R_WSB01A00	FOSR	PS85	0	96	S	0	9	S	0	6	S									0	S																	WQS - Basin 1B: Section 1a: Class IV: Special Standards: pH
1BWSK-GA39-FOSR	VAV-B11R_WSK01A00	FOSR	PS03	0	113	S															0	S																	WQS - Basin 1B: Section 4a: Class IV: Special Standards: pH, PWS
1BWSK-WC1-SOS	VAV-B11R_WSK01A00	CMON	PS03																													LP						SOS data Level II WQS - Basin 1B: Section 4a: Class IV: Special Standards: PWS, pH
1BWST000.20	VAV-B56R_WST01A00	A	PS79	0	47	S	0	47	S	0	46	S	8	46	IM																								WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BWST000.33	VAV-B56R_WST01A00	A	PS79	0	13	S	0	13	S	0	13	S	3	13	IM																								WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BWST-CRMC-FOSR	VAV-B56R_WST01A00	FOSR	PS79	0	7	S	1	7	S	0	7	S									0	S																	WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BWST-FW07-FOSR	VAV-B56R_WST01A00	FOSR	PS79	0	35	S																															WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH:
1BXBK-BARCLAY01-PATC	VAV-B05R_XBK01A10	CMON	PU10	0	2	IN				0	2	IN																					LP						All data Level II WQS - Basin 1A: Section 11: Class IV: Special Standards: pH
1BXBP000.03	VAV-B49R_XBP01A10	A,B	PS65	0	8	S	0	8	S	0	8	S																					FS						WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BXBP-OS01-FNFSR	VAV-B49R_XBP01A10	CMON	PS65	0	35	IN	0	17	IN	0	19	IN	8	24	IM																								FNFSR Field parameter data Level II, All other data Level III WQS: Basin 1B: Section 6: Class IV: Special Standards: pH
1BXBP-OS03-FNFSR	VAV-B49R_XBP01A10	CMON	PS65	0	34	IN	0	18	IN	0	16	IN	4	23	IM																								FNFSR Field parameter data Level II, All other data Level III WQS: Basin 1B: Section 6: Class IV: Special Standards: pH
1BXCE000.63	VAV-B56L_CRO01A04	L	PS79	0	38	S	0	28	S	0	38	S	0	7	S						0	S	0	S	0	S										0	1		Lake Frederick pooled DO/pH results for Stations 1BCRO009.19, 1BCRO009.79, 1BXCE000.63 = 91 obs/0 exceeds (DO) 197 obs/1 exceeds (pH). Fully supporting for nutrients carries from 2012. (only 1 year left in data window) WQS - Basin 1B: Section 1c:

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Shenandoah River Basin																																					
1BXCR-CR04-FOSR	VAV-B56R_XCR01A06	FOSR	PS79	0	8	S				0	8	S									0	S																WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BXDR-CRDR-FOSR	VAV-B56R_XDR01A06	FOSR	PS79	0	7	S	0	7	S	0	6	S									0	S																WQS - Basin 1B: Section 1c: Class IV: Special Standards: pH
1BXEF000.23	VAV-B25L_00	L	PS23	0	40	S	0	13	S	0	39	S	0	13	S						0	S												0	2			Fully Supporting for Nutrients in 2014. WQS - Basin 1B: Section 5: Class IV: Special Standards: pH, PWS
1BXEH000.04	VAV-B41R_XEH01A12	A	PS47	0	1	W	0	1	W	0	1	W																										WQS - Basin 1B; Section 2: Class IV: Special Standards: pH
1BXEL000.55	VAV-B50R_XSH01A10	A	PS68							1	1	W									0	W																WQS - Basin 1B: Section 6: Class IV: Special Standards: pH. Water toxics not assessed based on only one sample available for assessment.
1BXHA-JS01-FOSR	VAV-B45R_XHA01A08	FOSR	PS58										4	10	IN/O																							LFSWCD Coli-scan data Level II WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BXHB-COLD_COMFORT01-PATC	VAV-B35R_XHB01A10	CMON	PS34	0	2	IN				0	2	IN																			LP							All data Level II WQS - Basin 1B: Section 3: Class V: Special Standards: pH
1BXHC-NM01-FOSR	VAV-B45R_XHC01A08	FOSR	PS58										2	10	IN/O																							LFSWCD Coli-scan data Level II WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
1BXMC-FP644-PCCM	VAV-B38R_XMC01A08	NONA	PS41	0	25	IN							14	31	IN/O																							Temperature & Coli-scan data Level II WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BXML-SL-PCCM	VAV-B38R_XML01A08	NONA	PS41	0	8	IN							0	10	IN																							Temperature & Coli-scan data Level II WQS - Basin 1B: Section 2: Class IV: Special Standards: pH
1BXPG-NS53-FOSR	VAV-B54R_XPG01A08	FOSR	PS76	0	74	S																																WQS - Basin 1B: Section 6: Class V: Special Standards: pH
1BXSG-SC 1-FOSR	VAV-B47R_XSG01A12	FOSR	PS62										10	12	IM						0	S																WQS - Basin 1B: Section 6e: Class IV: Special Standards: PWS, pH
1BXSG-SC 2-FOSR	VAV-B47R_XSG01A12	FOSR	PS62										20	24	IM						0	S																WQS - Basin 1B: Section 6e: Class IV: Special Standards: PWS, pH
1BXSH-NS64-FOSR	VAV-B50R_XSH01A10	FOSR	PS68	0	114	S							13	18	IM																							WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
2003	VAV-B20R_RCK01A02	USFS	PS18																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 5: Class VI: Special Standards: pH
2005	VAV-B16R_NTH03A00	USFS	PS12																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 5e: Class VI: Special Standards: pH, PWS
2012	VAV-B16R_NTH03A00	USFS	PS12																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 5e: Class VI: Special Standards: pH, PWS
2022	VAV-B18R_HQR01A00	USFS	PS14																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 6g: Class VI: Special Standards: pH
2023	VAV-B18R_MNS01A04	USFS	PS14																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 5: Class VI: Special Standards: pH
2030	VAV-B16R_SKF01A00	USFS	PS12																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
4002	VAV-B49R_LAR01A00	USFS	PS65																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 6: Class VI: Special Standards: pH
4019	VAV-B50R_NPC01A00	USFS	PS68																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 6d: Class IV: Special Standards: pH, PWS
4028	VAV-B49R_XEN01A02	USFS	PS66																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 6: Class VI: Special Standards: pH
4029	VAV-B49R_LSC01B08	USFS	PS66																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 6: Class VI: Special Standards: pH
4043	VAV-B49R_FTZ01A00	USFS	PS65																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 6: Class V: Special Standards: pH
4068	VAV-B44R_RUN01A00	USFS	PS54																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 6: Class IV: Special Standards: pH
4074	VAV-B47R_FDY01A02	USFS	PS60																												IM							WQS: Class VI - Natural Trout Waters; Section 6eSpecial Standards: pH (6.5-9.5), PWS
4076	VAV-B47R_MTN01A00	USFS	PS60																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 6e: Class IV: Special Standards: pH, PWS
4077	VAV-B54R_PMR01A00	USFS	PS76																												FS							Assessment Based on SCI Score - WQS - Basin 1B: Section 6: Class V: Special Standards: pH
5116	VAV-B31R_MLS02A10	USFS	PS29																												IM							Assessment Based on SCI Score - WQS - Basin 1B: Section 3: Class V: Special Standards: pH

* For lake/reservoir NUTRIENTS (i.e. Total Phosphorus or Chlorophyll a), "Exceed" refers to the number of exceedences per monitoring year (April-October) and "Samples" represent the number of monitoring years. A minimum of two monitoring years are required to make a supporting (S) or impaired (IM) assessment determination. Less than two full monitoring years result in an insufficient (IN) determination. Also, nutrients are only assessed in lakes listed in Section 187 of the WQS if there is documented algaecide use.

NOTE: Values in VAHU6 refer to the 6th order watershed in version 4 of Virginia's portion of the National Watershed Boundary Dataset.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6ALRA000.10	VAS-Q06R_LRA01A12	A,B,TM	BS12	0	1	IN	0	1	IN	0	1	IN																			FS							Little Prater Creek near Grundy VSCI: 10/31/11 72
6ALYB000.07	VAS-Q08R_LYB01A02	A,TM	BS14	0	1	IN	0	1	IN	0	1	IN																										Lynn Camp Creek near Harman
6AMCR000.20	VAS-Q11R_MCR01A00	A	BS25	0	11	S	0	10	S	0	11	S	0	11	S																							Bridge #6146 on Rt 693 off Rt 82
6AMCR004.86	VAS-Q11R_MCR02A00	A,B,SS	BS25	0	2	S	0	2	S	0	2	S																			FS							Off SR 738 North of Goff Tunnel VSCI: 06/13/2011 60.82 10/31/2011 78.63
6AMCR005.94	VAS-Q11R_MCR02A00	FPM,B	BS25	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S									J							Off SR 83 North of Faith Bible Church VSCI: 09/26/2012 59.25 05/07/2012 54.90
6AMCR007.46	VAS-Q11R_MCR02A00	TM	BS25	0	12	S	0	12	S	0	12	S	2	12	IM																							RT 63 bridge
6AMCR007.85	VAS-Q11R_MCR02A00	FPM,B	BS25	0	1	IN	0	1	IN	0	1	IN									0	S									FS							Off Rt 83 At Clinchco VSCI: 08/30/11 63.49
6AMCR009.92	VAS-Q11R_MCR02A00	A,B	BS25	0	11	S	0	10	S	0	11	S	2	11	IM																FS							Low water bridge at Clinchco corporate limits VSCI: 08/30/11 62
6AMCR014.69	VAS-Q11R_MCR03A06	A,B,TM	BS25	0	23	S	0	22	S	0	23	S	14	23	IM						0	S									FS							Bridge #6080 on SR 716 off Rt 63
6AMCR017.12	VAS-Q11R_MCR04A06	A,B,TM	BS25	0	2	S	0	2	S	0	2	S																			FS							Off Rt. 63 below Nora VSCI: 10/30/2011 69.39 06/13/2011 63.83
6AMCR017.56	VAS-Q11R_MCR04A06	A,B	BS23	0	11	S	0	10	S	0	11	S	1	11	S																FS							Bridge #6122 on SR 652 off Rt 63 VSCI: 08/30/11 62
6AMCR019.96	VAS-Q11R_MCR04A06	A,B	BS23	0	23	S	0	22	S	0	23	S	10	23	IM						0	S									FS							Wood bridge off Rt 63 .4 mi downstream SR 655 VSCI: 08/30/11 62
6AMCR-C-LF-MRRP	VAS-Q11R_MCR01C14	CMON	BS25	0	1	IN							0	1	IN																							Stream leaving the Clinchco Landfill, upstream of Faith Bible Church
6AMCR-DC-MRRP	VAS-Q11R_MCR02A00	CMON	BS25	0	1	IN							0	3	S																							Behind the DCCC Vocational School
6AMCR-d-EES-MRRP	VAS-Q11R_MCR04A06	CMON	BS25	0	1	IN							0	1	IN																							Approximately 1 mile downstream of Ervinton ES
6AMCR-d-PP-MRRP	VAS-Q11R_MCR04A06	CMON	BS23	0	37	S	0	3	S	0	3	S	16	54	IM																							Pines Park, near picnic tables, downstream of Aly Creek. Formally known as site MR-PP, Additional Level II EC 6/0 viol 3D
6AMCR-d-RF-MRRP	VAS-Q11R_MCR04A06	CMON	BS23	0	33	S	0	2	S	0	2	S	4	34	IM																							30 meters downstream of Roaring Fork confluence
6AMCR-FB-MRRP	VAS-Q11R_MCR01A00	CMON	BS25	0	5	S							0	9	S																							At the Forks Bottom near Haysi, across highway from Dave
6AMCR-STRCH-MRRP	VAS-Q11R_MCR02A00	CMON	BS25	0	35	S	0	1	IN	0	1	IN	22	52	IM																							At Fremont Baptist Church, near steps to river. Formally known as site MR-FBC, Additional Level II EC 5/1 viol 3D
6AMCR-u-MT-MRRP	VAS-Q11R_MCR04A06	CMON	BS23	0	32	S	0	2	S	0	2	S	16	49	IM																							Between Load Out Road Bridge and Martintown, Additional Level II EC 5/0 viol 3D
6AMCR-u-RF-MRRP	VAS-Q11R_MCR04A06	CMON	BS23	0	1	IN							2	10	IM																							30 meters upstream of Roaring Fork confluence
6AOPF001.31	VAS-Q11R_OPF01A02	A	BS22	0	11	S	0	10	S	0	11	S	1	11	S																							Bridge #6117 on SR 674 off SR 652
6AOPF-EHS-RC4-MRRP	VAS-Q11R_OPF01A02	CMON	BS22	0	9	S							0	12	S																							Downstream of confluence with Spring Fork
6AOPF-PH-MRRP	VAS-Q11R_OPF01A02	CMON	BS22	0	1	IN							0	1	IN																							0.25 miles upstream of junction of SR 651 & 627
6APAW001.22	VAS-Q10R_PAW01A12	FPM,B	BS21	0	2	S	0	2	S	0	2	S	1	1	IN				0	S	0	S	0	S							FS							VSCI: 10/07/2009 59.41 04/20/2009 84.91
6APLL000.17	VAS-Q13R_PLL01A02	B,TM	BS28	0	2	S	0	2	S	0	2	S																			FS							Off SR 671 VSCI: 10/25/2011 80.67 05/19/2011 77.37
6APLR000.06	VAS-Q08R_PLR01A08	A,B	BS14	0	13	S	0	13	S	0	13	S	3	12	IM																FS							Bridge. # 6120 on SR 604 off 460 VSCI: 10/31/11 72
6APNK000.08	VAS-Q13R_PNK01A96	A,B	BS28	4	19	IM	0	16	S	0	19	S	0	12	S						0	S									FS							Bridge #6066 on SR 671 VSCI: 10/25/11 79
827.03-UTPR1 - ATS	VAS-P17R_XHX01A14	NONA	TP02																											FS							150m above old 23/alt 58 road crossing VSCI: 08/25/2011 78 & 03/29/2011 75
9015	VAS-O01R_CMR01A02	USFS	TH01																											UN							VSCI: 5/19/2009 84
9030	VAS-O01R_ROW02A02	USFS	TH02																											UN							VSCI: 5/07/2008 83
9032	VAS-O02R_WLC02B12	USFS	TH04																											UN							VSCI: 6/19/2009 78
9033	VAS-O02R_FEA01A02	USFS	TH04																											UN							VSCI: 5/06/2009 80
9038	VAS-O02R_GRE01A02	USFS	TH04																											UN							VSCI: 6/07/2007 84
9042	VAS-O01R_PRK01A02	USFS	TH01																											UN							VSCI: 6/11/2007 86
9057	VAS-O01R_HUR01A02	USFS	TH01																											UN							VSCI: 5/19/2009 83 6/11/2007 82

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
9091	VAS-O01R_SLM01A06	USFS	TH01																												UN							VSCI: 5/19/2009 80
9092	VAS-P13R_STO03A00	USFS	TC26																												UN							VSCI: 4/27/2011 65
9114	VAS-P17R_XHU01A14	USFS	TP02																												UN							VSCI: 6/11/2007 84
9143	VAS-P09R_LSR01A02	USFS	TC23																												UN							VSCI: 6/06/2007 75
9172	VAS-P17R_LAF01A14	USFS	TP04																												UN							VSCI: 6/06/2011 76 5/24/2010 75 5/27/2008 79 6/05/2007 60
9174	VAS-Q13R_BAR01A02	USFS	BS28																												UN							VSCI: 6/07/2007 77
6BLTL007.84	VAS-P06R_LTL01A10	B,SS	TC13	0	2	S	0	2	S	0	2	S											0	S							FS							SR 841 off Rt 19/460 S of Willis VSCI: 06/03/2009 68.81 09/30/2008 68.76
6BLTR000.75	VAS-P05R_LTR02A00	A	TC09	0	11	S	0	8	S	0	11	S	1	11	S						0	S																Ford off SR 640
6BLTR018.19	VAS-P05R_LTR02A00	A	TC07	0	25	S	0	21	S	0	25	S	12	25	IM						0	S																Bridge on SR 609
6BLTR019.45	VAS-P05R_LTR02A00	A,B,FPM	TC07	0	4	S	0	4	S	0	4	S	0	2	S				0	S	0	S	0	S							FS							Stream ford off SR 640 East of Wardell VSCI: 11/09/2009 77.36 05/20/2009 66.78 11/03/2008 77.75 03/24/2008 66.27
6BLTR022.98	VAS-P05R_LTR02A00	FPM,B	TC07	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S									FS							North of SR 603 VSCI: 09/25/2012 74.49 05/21/2012 66.73
6BLTR025.45	VAS-P05R_LTR03A10	A	TC07	0	12	S	0	8	S	0	12	S	1	12	S						0	S																SR 610 Bridge #6013 off Rt 19
6BLUC000.73	VAS-P05R_LUC01A10	B,SS	TC07	0	2	S	0	1	IN	0	2	S											0	S							IM							SR 609 SE of Wardell VSCI: 06/02/2009 48.81 09/29/2008 53.30
6BLWS000.06	VAS-P04R_LWS01A98	A	TC10	0	25	S	0	23	S	0	24	S	12	24	IM						0	S																SR 723 bridge. # 6097 at SR 651 intersection
6BLWS003.88	VAS-P04R_LWS01A98	FPM,B	TC10	0	2	S	0	2	S	0	2	S																			IM							Near Honaker Off SR 637 VSCI: 11/10/2008 48.84 05/21/2008 54.52
6BLWS004.84	VAS-P04R_LWS01A10	A	TC10	0	25	S	0	23	S	0	24	S	7	24	IM						0	S																SR 812 bridge #6041 near Laurel
6BMAH000.07	VAS-P11R_MAH02A14	B,TM	TC21	0	1	IN	0	1	W	1	1	IN																			FS							Off SR 855 VSCI: 10/18/2011 67.74 04/28/2011 69.62
6BMAH001.26	VAS-P11R_MAH01A00	B,TM	TC21	0	1	IN	0	1	IN	0	1	IN																			FS							SR 855 above Guest River confluence VSCI: 10/18/11 71.02
6BMCK000.04	VAS-P03R_MCK01A10	B,SS	TC04	0	2	S	0	2	S	0	2	S											0	S							IM							Doran near Richlands Municipal Airport VSCI: 06/02/2009 52.71 09/29/2008 54.55
6BMCK000.11	VAS-P03R_MCK01A10	A	TC04	0	25	S	0	24	S	0	23	S	4	24	IM						0	S																SR 673 between trailer park & STP
6BMDC000.33	VAS-P19R_MDC01A10	A	TP06	0	12	S	0	10	S	1	12	S	3	12	IM						0	S																SR 621 bridge near Olinger
6BMIA000.36	VAS-P11R_MIA01A08	B	TC21	0	1	IN	0	1	W	1	1	IN																			J							SW of Riverview VSCI: 04/28/2010 57.90
6BMID000.20	VAS-P03R_MID01A98	B,TM	TC04	0	14	S	0	14	S	0	14	S	6	12	IM																FS							At Cedar Bluff on SR 621 Bridge # 6025 VSCI: 11/08/2012 69.66 04/16/2012 71.42
6BMIF001.38	VAS-P07R_MIF02A14	B,SS	TC14	0	4	S	0	4	S	0	4	S											0	S							FS							SR 800/640 Intersect, N. of Jessee's Mill VSCI: 11/02/2011 70.83 05/24/2011 62.29 06/02/2009 47.20 09/30/2008 71.36
6BMIF003.28	VAS-P07R_MIF01A10	B,TM	TC14	0	2	S	0	2	S	0	2	S																			IM							SE of Dumps Creek/Clinch confluence VSCI: 11/19/2012 53.50 05/03/2012 59.00
6BMLG000.55	VAS-P04R_MLG01A00	B,SS	TC05	0	2	S	0	2	S	0	2	S											0	S							IM							South of 67 at West Raven VSCI: 06/02/2009 57.99 10/02/2008 54.92
6BMOL000.03	VAS-P14R_MOL01A08	TM,B	TC28	0	12	S	0	12	S	0	12	S	8	12	IM																FS							Bridge. # 6248 on SR 678 off 58 VSCI: 08/31/11 72
6BMOL001.75	VAS-P14R_MOL01A08	FPM,B	TC28	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							Upstream of Porter Hollow confluence VSCI: 05/10/2011 78.14 08/31/2011 74.08

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6BMOL003.98	VAS-P14R_MOL01B10	A,TM	TC28	0	12	S	0	12	S	0	12	S	10	12	IM																							SR 604 bridge #6116,dnstr Moll Ck Church
6BMSC001.53	VAS-P05R_MSC01A02	A,TM	TC06	0	5	S	0	2	S	0	5	S	1	5	IN						0	S																Near Maiden Sp Community SR 608 Off 91
6BMSC008.98	VAS-P05R_MSC01C04	A	TC06	0	24	S	0	20	S	0	24	S	7	24	IM						0	S																On 1040 off SR 604
6BMSC018.89	VAS-P05R_MSC01B04	B,SS	TC06	0	2	S	0	2	S	0	2	S											0	S							FS							S of Thompson Cemetery VSCI: 06/02/2009 76.90 09/29/2008 68.89
6BMTN003.56	VAS-P23R_MTN01A00	A	TP14	0	13	S	0	13	S	0	13	S	5	11	IM																							SR 682 bridge off 672 off Bus. 58
6BMTN003.94	VAS-P23R_MTN01A00	FPM,B	TP14	0	2	S	0	2	S	0	2	S	0	1	IN						0	S	0	S							FS							South of Edds Mill, Class V VSCI: 00/01/2010 73.08 05/11/2010 67.44
6BNCL000.30	VAS-P01R_NCL01A04	A	TC01	0	12	S	0	11	S	0	12	S	2	12	IM						0	S																Off Rt. 16 Across From Ramey Ford
6BNFC003.80	VAS-P15R_NFC01C02	A,TM	TC32	0	12	S	0	12	S	0	12	S	5	12	IM																							Ford on SR 621 off SR 600
6BNFC010.65	VAS-P15R_NFC01B00	A,TM	TC32	0	12	S	0	12	S	0	12	S	5	12	IM																							SR 600 bridge # 6005 off 58
6BNFC018.68	VAS-P15R_NFC01B08	A,TM	TC31	0	12	S	0	12	S	0	12	S	4	12	IM																							SR 624 bridge # 6039 off SR 604 off 58
6BNFC022.47	VAS-P15R_NFC01A00	B,SS	TC31	0	2	S	0	2	S	0		S											0	S							J							N of Duffield, at Industrial Park VSCI: 06/02/2009 55.81 10/01/2008 64.27
6BPAT000.13	VAS-P15R_PAT01A10	B,SS	TC31	0	6	S	0	6	S	0	6	S											0	S							J							Rt. 603 E. of Powers Ford VSCI: 10/26/2011 82.05 05/18/2011 55.18 06/02/2009 79.56 10/01/2008 68.84
6BPIG000.04	VAS-P17R_PIG01A06	SS,TM	TP04	0	3	S	0	3	S	0	3	S									0	S	0	S														Off Rt 23 R.R. trestle near Appalachia
6BPIG001.58	VAS-P17R_PIG01A06	TM,B	TP04	0	1	IN	0	1	IN	0	1	IN																			FS							Downstream Imboden VSCI: 11/15/2010 64.50
6BPIG003.55	VAS-P17R_PIG01B12	B,TM,SS	TP04	0	1	IN	0	1	IN	0	1	IN																			IM							Downstream Exeter VSCI: 11/15/2010 26.98
6BPIG005.20	VAS-P17R_PIG01B12	B,TM,SS	TP04	0	1	IN	0	1	IN	0	1	IN																			IM							Upstream Exeter VSCI: 11/15/2010 55.84
6BPLC000.49	VAS-P14R_PLC01A10	B,SS	TC30	0	2	S	0	2	S	0	2	S											0	S							FS							SE of Cox Mill, SR 619 VSCI: 06/02/2009 74.80 10/01/2008 68.31
6BPLL000.27	VAS-P18R_PLL01A98	A	TP05	0	21	S	0	19	S	0	21	S	4	18	IM						0	S	0	S														Bridge 8002 Off Rt 58 on Shawnee Ave W.
6BPLL001.61	VAS-P18R_PLL01A98	A,B,FPM	TP05	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							J							In Big Stone Gap VSCI: 10/15/2008 72.16 03/25/2008 51.69
6BPLL002.55	VAS-P18R_PLL01A98	B,TM	TP05	0	18	S	0	17	S	0	18	S	4	12	IM				0	S	0	S	0	S							J							Off Rt 613 VSCI: 11/04/2008 65.19 05/15/2008 45.89 09/18/2007 63.00 05/22/2007 52.62
6BPLL004.24	VAS-P18R_PLL01A02	A	TP05	0	6	S	0	5	S	0	6	S	3	6	IM						0	S																SR 613 bridge #6024
6BPLL006.38	VAS-P18R_PLL02A00	A,TM	TP05	0	13	S	0	12	S	0	13	S	0	3	S						0	S																SR 612 & SR 616 intersection
6BPLL006.50	VAS-P18R_PLL02A00	B,TM	TP05	0	2	S	0	2	S	0	2	S																			FS							@ SR 616 VSCI: 11/04/2008 71.93 05/15/2008 59.96
6BPLL012.99	VAS-P18L_PLL01L02	C	TP05																								2	IM										Big Cherry Reservoir Two largemouth bass composited samples collected on 8/30/2007 exceeded the VDH level of concern for Hg.
6BPLU000.40	VAS-P01R_PLU01A04	A	TC01	0	12	S	0	11	S	0	12	S	2	12	IM						0	S																
6BPLU002.15	VAS-P01R_PLU01A04	A,B,SS	TC01	0	13	S	0	12	S	0	13	S	10	12	IM						0	S									IM							Private business bridge off 19/460 VSCI: 05/28/2008 40.91
6BPON000.04	VAS-P02R_PON01A10	A	TC02	0	7	S	0	6	S	0	7	S	1	7	IN						0	S																SR 637 S of Pounding Mill
6BPON000.40	VAS-P02R_PON01A10	B,SS	TC02				0	1	IN														0	S							J							SR 637 S of Pounding Mill VSCI: 09/29/2008 58.21
6BPOW115.51	VAS-P23R_POW01A00	TM	TP13	0	3	S	0	3	S	0	3	S									0	S	0	S														Powell River off SR 679
6BPOW120.12	VAS-P23R_POW02A00	B,TM	TP13	0	4	S	0	4	S	0	4	S																			J							South of Hwy 58 VSCI: 10/29/2008 75.48 05/22/2008 52.51 09/19/2007 63.10 05/23/2007 58.07
6BPOW138.91	VAS-P21R_POW02A02	A,TR	TP10	0	37	S	0	34	S	0	37	S	1	35	S						0	S																SR 654 bridge # 6044 off SR 622

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6BPOW145.95	VAS-P21R_POW02A02	A,B	TP10	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							IM							South of Hwy 58 VSCI: 10/19/2010 41.10
6BPOW162.89	VAS-P19R_POW03A00	FPM,B	TP06	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	S	0	S	0	S							IM							W of Clear Spring Br confluence VSCI: 04/30/2007 53.79
6BPOW165.78	VAS-P19R_POW03A00	A,TM	TP06	0	18	S	0	15	S	0	18	S	0	18	S						0	S																SR 619 bridge off SR 642 SE of Dryden
6BPOW166.97	VAS-P19R_POW03A00	B,TM	TP06	0	2	S	0	2	S	0	2	S																			J							Rt. 58 bridge VSCI: 10/29/2008 73.36 05/19/2008 51.94
6BPOW178.33	VAS-P19R_POW04A00	C	TP06																								0	S	0	S								In Big Stone Gap
6BPOW179.20	VAS-P17R_POW01A94	A,B,SS,TR	TP04	0	38	S	0	36	S	0	38	S	12	34	IM						0	S									J							In Big Stone Gap @ gage VSCI: 09/25/2008 58.94
6BPOW183.55	VAS-P17R_POW02B06	TM	TP02	0	3	S	0	3	S	0	3	S									0	S	0	S														
6BPOW184.19	VAS-P17R_POW02B06	FPM,B	TP02	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							IM							E of Appalachia, near Rt 58/23 VSCI: 10/29/2007 46.55 04/10/2007 47.32
6BPOW193.38	VAS-P17R_POW01B02	A	TP02	0	15	S	0	13	S	0	15	S	9	12	IM						0	S																SR 790 bridge # 6204 off Bus. 23
6BPOW194.75	VAS-P17R_POW01C02	A	TP02	0	12	S	0	10	S	0	12	S	1	12	S						0	S																SR 621 bridge #6214 off Rt 23
6BPOW197.21	VAS-P17R_POW01C02	A	TP02	0	3	S	0	3	S	0	3	S									0	S	0	S														Powell R and SR 621
6BPOW-NFPowell-SOS	VAS-P17R_POW01A94	CMON	TP04																												HP							Near Development Services Bldg on River Rd, Big Stone Gap, Scott Co, Jefferson National Forest Spring 2010: Lev II-Gray Zone Fall 2010: Lev II-Unacceptable Fall 2008: Lev II-Unacceptable Fall 2008: Lev II-Unacceptable
6BPTR000.02	VAS-P14R_PTR01A14	A,TM	TC28	0	12	S	0	12	S	0	12	S	5	12	IM																							SR605 culvert off SR 604
6BPVC000.18	VAS-P19R_PVC01A02	A	TP06	0	12	S	0	10	S	0	12	S	1	12	S						0	S																Culvert on SR 621 NE of Dryden
6BPWL001.49	VAS-P20R_PWL01A00	A	TP09	0	12	S	0	12	S	0	12	S	3	11	IM																							Bridge #6030 on SR 630 off Rt 421
6BPWL001.93	VAS-P20R_PWL01A00	A,B	TP09	0	2	S	0	2	S	0	2	S																			J							Rt. 421 near Pennington Gap VSCI: 10/05/2010 63.27 04/07/2010 43.55
6BPWL002.48	VAS-P20R_PWL01A00	C	TP09																								0	S	0	S								Near Leeman Field
6BLCC006.75	VAS-P10R_LCC02A02	A	TC17	0	1	IN	0	1	IN	0	1	IN	0	1	IN																							Bridge #6105 on SR 608 off Rt 63.
6BLCC-Boody-MRRP	VAS-P10R_LCC01A98	CMON	TC17	0	3	S							0	3	S																							Underneath the Boody RR trestle above the confluence with the Clinch River
6BLCC-Bunch Town-MRRP	VAS-P10R_LCC02A02	CMON	TC17	0	4	S							4	4	IM																							Below Russell County Water and Sewage Authority Pump Station, on Bunch Town Road
6BLIB001.89	VAS-P05R_LIB02A04	A	TC07	0	12	S	0	8	S	0	12	S	1	12	S						0	S																At Liberty SR 608 Off 91 Sheep Farm Culvert, Class V
6BLOC001.05	VAS-P17R_LOC01A12	TM	TP04	0	3	S	0	3	S	0	3	S									0	S	0	S														Looney Cr. on SR 160
6BLOO004.25	VAS-P06R_LOO01A06	A	TC12	0	12	S	0	12	S	0	12	S	6	12	IM																							Bridge #6316 on SR 657 off SR 656
6BLOO006.03	VAS-P06R_LOO01B12	A	TC12	0	12	S	0	12	S	0	12	S	6	12	IM																							Bridge #6316 on SR 657 off SR 656, Rt 80 bridge #1039
6BLOW000.30	VAS-P02R_LOW01A10	A	TC03	0	12	S	0	10	S	0	11	S	1	12	S						0	S																Off SR 627 off Crosscreek Dr (pvt drive)
6BLRF000.03	VAS-P02R_LRF01A10	A	TC03	0	12	S	0	10	S	0	11	S	2	12	IM						0	S																SR 627 Bridge #6293
6BLSR000.33	VAS-P09R_LSR01A02	A	TC23	0	23	S	0	23	S	0	23	S	0	23	S																							Bridge #1048 on Rt 72, Class V
6BLSR004.22	VAS-P09R_LSR02A02	A,B	TC23	0	4	S	0	4	S	0	4	S																			FS							Off SR 701, Class V VSCI: 11/14/2012 82.93 06/04/2012 81.46
6BLSR008.12	VAS-P09L_LSR01A02	C	TC23																								3	IM										Off SR 701, Class V Three composite fish samples collected 5/15/2007 exceeded DEQ screening value for Hg.
6BLTL001.11	VAS-P06R_LTL01A12	A	TP13	0	12	S	0	12	S	0	12	S	8	11	IM																							Footbridge @JS Easterly Park downstream WWTP
6BLTL003.31	VAS-P06R_LTL01A10	FPM,B	TC13	0	2	S	0	2	S	0	2	S	1	1	IN				0	S	0	S									J							East of Lebanon athletic field VSCI: 09/26/2012 64.23 05/03/2012 54.28
6CNFH089.25	VAS-O10R_NFH02A00	TM	TH29	0	11	S	0	11	S	0	11	S	2	12	IM																							
6CNFH098.96	VAS-O09R_NFH01A98	A	TH26	0	12	S	0	10	S	0	11	S	0	12	S						0	S																SR 631 bridge #6103 @ Riverside
6CNFH113.36	VAS-O09R_NFH01A02	A	TH26	0	12	S	0	9	S	0	11	S	2	12	IM						0	S																Swimming Bridge #9002 off SR 620 off Rt 42
6CNFH127.12	VAS-O09R_NFH01C02	A,TM	TH24	0	22	S	0	20	S	0	21	S	13	24	IM						0	S																One Lane Bridge on SR 622 off Rt 42
6CNOR000.14	VAS-O12R_NOR01A02	A	TH37	0	12	S	0	12	S	0	12	S	1	12	S																							SR 812 bridge #6341 off SR 622
6CPLU-HB2-UTRR	VAS-O05R_HAL01A94	CMON	TH13											1	IN																							Hall Creek @ Library on E&H Campus, Additional Level II EC 1/ 0 viol 3D
6CPLU-HC2-UTRR	VAS-O05R_PLU01A02	CMON	TH13											6	IN/O																							Plum Creek at intersection of SR 751 and SR 819, Additional Level II EC 6/4 viol 3C

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6CPSM000.04	VAS-O13R_PSM01A02	A,TM	TH44	0	22	S	0	22	S	0	22	S	9	22	IM						0	S																SR 714 bridge # 6116 off 614 off 23
6CRRB000.06	VAS-O10R_RRB01A02	A	TH29	0	12	S	0	10	S	0	12	S	3	12	IM						0	S																TriCities Dry Ice culvert off Allison Gap Rd
6CRUS000.73	VAS-O02R_RUS01A02	A	TH03	0	1	IN	0	1	IN	0	1	IN	0	1	IN																						SR 733 culvert near 36176 Rush Ck Rd
6CSFH062.93	VAS-O06L_SFH01A00	L,NONA	TH19	0	551	S	148	551	IM	19	551	S	0	20	S																						South Holston Lake continuously monitored by TVA Station #1 @ TN state line
6CSFH070.80	VAS-O06L_SFH01A00	C	TH17																								4	IM	2	IM							SR.712 bridge off.58,1.5 mi from Alvarado Four fish samples collected 6/4/2007 exceeded the VDH level of concern. Seven additional samples exceeded the DEQ screening value.
6CSFH075.61	VAS-O02R_SFH02A00	A,TM,TR	TH07	0	48	S	0	47	S	0	47	S	9	48	IM						0	S																SR.712 bridge off.58,1.5 mi from Alvarado
6CSFH082.78	VAS-O02R_SFH02A00	FPM,B	TH03	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							East of Route 91 VSCI: 05/10/2010 75.26 11/03/2010 82.15
6CSFH088.91	VAS-O02R_SFH01B02	C	TH03																								2	IM	0	S							Fish sampled 24 July 2007 analyzed for pesticides, metals and PCB; Hg exceeded the Department of Environmental Quality screening value in two samples.
6CSFH093.01	VAS-O02R_SFH01B02	A,TM	TH03	0	24	S	0	22	S	0	24	S	4	24	IM						0	S																SRv604 Bridge #6005 at Loves Mill
6CSFH096.96	VAS-O01R_SFH01A00	B,SS,CR	TH02	0	1	IN	0	1	IN	0	1	IN																			FS							At Riverside, downstream of Bishop Branch VSCI: 05/05/2008 71.36
6CSFH097.42	VAS-O01R_SFH01A00	A,B,TM	TH02	0	49	S	0	47	S	0	49	S	12	47	IM						0	S									FS							SR 660 @ Riverside Church VSCI: 05/05/2008 71.04
6CSFH099.18	VAS-O01R_SFH01A00	FPM,B	TH02	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							Southeast of River Bend Cemetery VSCI: 05/10/2010 82.38 10/18/2010 81.44
6CSFH101.81	VAS-O01R_SFH02A00	A,TM	TH02	0	24	S	0	22	S	0	24	S	2	24	S						0	S																
6CSFH110.45	VAS-O01R_SFH03A00	A,TM	TH01	0	24	S	0	22	S	0	24	S	7	24	IM						0	S																SR 670 Bridge #6252 @ West Farm
6CSFH-2-SOS	VAS-O01R_SFH01A00	CMON	TH02																												LP							Immediately downstream of confluence with Parker Branch Spring 2008: Lev II-Acceptable
6CSFH-SOS	VAS-O01R_SFH01A00	CMON	TH02																												LP							150 yards downstream of Riverside Community Center above confluence with Parker Branch Summer 2008: Lev II-Acceptable Spring 2008: Lev II-Acceptable Fall 2007: Lev II-Acceptable (3 samples)
6CSGT000.39	VAS-O02R_SGT02A04	A,B	TH04	0	14	S	0	13	S	0	14	S	0	12	S																FS							Rt 58 bridge #1085 near AT, Class V VSCI: 06/01/2010 80.41 11/16/2010 84.32
6CSLM000.67	VAS-O01R_SLM01A02	TM	TH01	0	16	S	0	15	S	0	16	S	8	16	IM						0	S																
6CSLM002.11	VAS-O01R_SLM01A02	TM,B	TH01																												FS							VSCI: 11/02/2009 62.05 03/12/2009 74.55
6CSLM002.49	VAS-O01R_SLM01A06	TM	TH01	0	2	S	0	1	IN	0	2	S																									
6CSMI000.22	VAS-O12R_SMI01A02	A	TH36	0	12	S	0	12	S	0	12	S	5	12	IM																						SR 614 ford off SR 700
6CSNK006.68	VAS-O07R_SNK01A02	A	TH20	0	12	S	0	12	S	0	12	S	2	12	IM																						King Mill Pike bridge #6398
6CSPR001.18	VAS-O06R_SPR01A02	A	TH18	1	12	S	0	12	S	0	12	S	5	12	IM																						SR 665 bridge #6107 off SR 663 off 75 - Class V waters
6CSTA000.05	VAS-O03R_STA01B10	A	TH10	0	11	S	0	9	S	0	11	S	7	11	IM						0	S																E. Lee St. bridge in Marion
6CSTO000.86	VAS-O07R_STO01A12	A	TH22	0	12	S	0	12	S	0	12	S	3	12	IM																						I81 Ext 1, Beech Grove Ch culvert off 58
6CSTU000.15	VAS-O02R_STU01A02	FPM,B	TH04	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							South of Konnarock VSCI: 10/06/2008 77.72 03/31/2008 78.03
6CSUL000.09	VAS-O04R_SUL01A12	A	TH12	0	12	S	0	12	S	0	12	S	9	12	IM																						SR 614 ford off SR 700
6CTAT000.50	VAS-O05R_TAT01A02	FPM,B,CR	TH13	0	2	S	0	1	IN	0	2	S																			J							Off SR 736 across from quarry VSCI: 11/26/2012 74.39 05/29/2012 57.74
6CTOO000.25	VAS-O11R_TOO01A98	A	TH33	0	12	S	0	12	S	0	12	S	3	12	IM																						SR 765 bridge #6425 off SR 692
6CTOW000.58	VAS-O06R_TOW01A00	A,TM	TH16	0	12	S	0	12	S	0	12	S	1	3	IN/O						0	S																Rt 75 culvert
6CTUM000.12	VAS-O11R_TUM01A00	A,TM	TH30	0	14	S	0	14	S	0	14	S	0	14	S																						SR 611 bridge #6011 @ SR 747, Class V
6CTUM002.69	VAS-O11R_TUM02A04	A,TM	TH30	0	14	S	0	14	S	0	14	S	0	14	S																						SR 747 bridge #6308 @fee fishing area, Class V
6CTUR000.03	VAS-O10R_TUR01A10	A	TH29	0	11	S	0	9	S	0	11	S	5	11	IM						0	S																Rt 91 bridge #1075 in McCready
6CWAL000.09	VAS-O04R_WAL01A02	A	TH12	0	12	S	0	12	S	0	12	S	8	12	IM																						SR 645 bridge #6053 off SR 659, Class V
6CWLC000.79	VAS-O02R_WLC01A06	A,B	TH04	0	14	S	0	13	S	0	14	S	1	12	S																	FS							RR trestle on VA Creeper off US 58, Class VI VSCI: 06/01/2010 85.31 11/16/2010 78.44
6BPWL004.10	VAS-P20R_PWL01A00	A,SS	TP09	0	11	S	0	11	S	0	11	S	5	11	IM																						Bridge #6065 on SR T7060 off Rt 421

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6BPWL004.40	VAS-P20R_PWL01A00	A,B	TP09	0	2	S	0	2	S	0	2	S																			J							At Leeman Field VSCI: 10/29/2008 62.69 05/19/2008 35.75
6BPWL006.59	VAS-P20R_PWL03B02	A	TP07	4	11	IM	0	11	S	0	11	S	0	11	S																							William's Farm bridge off SR 606
6BPWL010.36	VAS-P20R_PWL02A02	A,C	TP07	2	11	IM	0	11	S	0	11	S	0	11	S														0	S	0	S							Bridge #6466 on SR 606 Fish samples were collected 7/25/2007.
6BPWL017.03	VAS-P20R_PWL03A02	A	TP07	0	11	S	0	11	S	0	11	S	0	11	S																							SR 625 bridge off SR 606
6BPWL025.32	VAS-P20L_PWL01L02	C	TP07																									2	IM									Lake Keokee
6BREE000.22	VAS-P20R_REE01A12	A	TP07	0	11	S	0	11	S	0	11	S	3	11	IM																							Off 606 SR 628 bridge # 6026
6BRIC001.80	VAS-P13R_RIC01A14	TM	TC25	0	4	S	0	4	S	0	4	S	1	4	IN																							SR 649 culvert #6503
6BRIN000.31	VAS-P17R_RIN01A00	A,B	TP01	0	5	S	0	5	S	0	5	S									0	S	0	S								IM							Off SR 603 VSCI: 11/04/2008 49.15 04/22/2008 27.84
6BRIN001.84	VAS-P17R_RIN01A00	A	TP01	0	12	S	0	10	S	0	12	S	1	12	S						0	S																	Off SR 603 off Bus 23
6BRUS001.25	VAS-P09R_RUS01A06	A	TC18	0	23	S	0	23	S	0	23	S	4	23	IM																							SR 775 culvert off SR 655 off Rt. 58
6BSEL001.81	VAS-P11R_SEL01A14	FPM,B	TC21	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	S	0	S	0	S								IM							N of Rt 72 VSCI: 05/10/2011 19.92
6BSFK000.62	VAS-P01R_SFK01A10	B,SS	TC01	0	2	S	0	2	S	0	2	S											0	S								IM							Riverview Drive, off Rt 61, S of Fourway VSCI: 06/02/2009 58.79 09/22/2008 59.66
6BSFK000.77	VAS-P01R_SFK01A10	A	TC01	0	12	S	0	11	S	0	12	S	5	12	IM						0	S																	Off Rt 61, Benbolt Estates
6BSHT-Devil's Fork-SOS	VAS-P12R_SHT01A02	CMON	TC24																												LP							Right below the campsite and parking area, where a dry creek bed comes in. Summer 2008: Lev II-Acceptable
6BSIM000.22	VAS-P21R_SIM01A02	FPM,B	TP13	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S										J							Impacted by beaver dam, off SR 662, East of Flatwoods School VSCI: 09/27/2012 62.35 04/30/2012 68.41
6BSNK001.03	VAS-P09R_SNK01A00	A	TC22	0	11	S	0	11	S	0	11	S	1	11	S																							SR 683 bridge #6127 off 65
6BSNY000.31	VAS-P12R_SNY01A04	TM	TC24	0	12	S	0	12	S	0	12	S	1	12	S																							Rt 72/65 bridge #1026, Class V
6BSNY001.98	VAS-P12R_SNY01A04	A,TM	TC24	0	12	S	0	12	S	0	12	S	0	11	S																							SR 728 bridge # 6128 off SR 619 off 72
6BSNY004.35	VAS-P12R_SNY01A00	A	TC24	0	12	S	0	12	S	0	12	S	0	12	S																							Rt 619 bridge #6033, downstream Straight Fork, Class V
6BSNY005.68	VAS-P12R_SNY01A00	FPM,B	TC24	0	2	S	0	2	S	0	2	S																			FS							Off SR 657 VSCI: 10/27/2011 86.43 05/18/2011 73.56
6BSNY-0-SOS	VAS-P12R_SNY01A00	CMON	TC24																												LP							Just upstream from where Chimney Rock Creek comes in Fall 2008: Lev II-Acceptable
6BSRA000.10	VAS-P20R_SRA01A94	TM	TP08	0	11	S	0	11	S	0	11	S	7	11	IM																							SR 606 bridge #6469 off US 421
6BSRA000.11	VAS-P20R_SRA01A94	B,TM	TP08	0	4	S	0	4	S	0	4	S																			IM							SR 606 bridge # 6469 VSCI: 05/09/2011 48.25 10/05/2010 50.76 09/19/2007 47.83 05/22/2007 50.07
6BSRA001.11	VAS-P20R_SRA01A94	A	TP08	0	10	S	0	10	S	0	10	S	3	10	IM																							SR 352 bridge # 1041
6BSRA001.34	VAS-P20R_SRA01A94	C	TP08																									0	S	0	S							Near Penn Lee. Fish were collected 8/30/2007
6BSRA003.22	VAS-P20R_SRA01A94	SS	TP08	0	1	IN	0	1	IN	0	1	IN	0	1	IN																							Pvt bridge on SR 636 @ Martin Residence
6BSRA003.62	VAS-P20R_SRA01A94	B,TM	TP08	0	2	S	0	2	S	0	2	S																			IM							Above acid mine discharge VSCI: 05/09/2011 43.95 10/05/2010 44.66
6BSRA004.16	VAS-P20R_SRA01A94	SS	TP08	0	1	IN	0	1	IN	0	1	IN	1	1	IN																							Abandoned bridge above Gin Creek
6BSTC000.04	VAS-P20R_STC01A96	FPM,B	TP08	0	2	S	0	2	S	0	2	S	1	1	IN				0	S	0	S	0	S								J							At Stone Creek community VSCI: 10/06/2009 64.30 04/27/2009 53.83
6BSTC000.13	VAS-P20R_STC01A96	B,TM	TP08	0	2	S	0	2	S	0	2	S																			FS							VSCI at original listing station: 05/09/2011 60.95 10/05/2010 64.56 10/24/2013 68.43
6BSTN000.14	VAS-P21R_STN01A12	A	TP10	0	11	S	0	11	S	0	11	S	5	11	IM																							SR 793 bridge, E of Poteet Ferry bridge
6BSTO000.45	VAS-P13R_STO01A00	A,TM	TC26	0	12	S	0	12	S	0	12	S	4	12	IM																							SR T-794 bridge # 6404
6BSTO004.56	VAS-P13R_STO01A00	A,C	TC26	0	23	S	0	22	S	0	23	S	4	23	IM														1	O									Near intersection of SR 871 & SR 650 One smallmouth bass collected 6/29/2007 exceeded DEQ screening value for Hg.
6BSTO-STCK1-SOS	VAS-P13R_STO01A00	CMON	TC26																												LP							Stock Creek in Natural Tunnel State Park at Carter Cabin Spring 2008: Lev II-Acceptable
6BSUT001.71	VAS-P09R_SUT01A02	A	TC23	0	23	S	0	23	S	0	23	S	3	23	IM																							SR 902 bridge #6417 off Rt 65

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6BSUT004.66	VAS-P09R_SUT01A02	TM	TC23	0	12	S	0	12	S	0	12	S	5	12	IM																							Hunters Valley E Rd, downstream Cornett Br
6BSWD000.11	VAS-P04R_SWD01A00	B,TM	TC05	0	42	S	0	42	S	0	42	S	12	37	IM				0	S	0	S									J							Off SR 633 VSCI: 09/25/2012 68.64 04/16/2012 62.44 11/18/2009 63.07
6BSWO001.81	VAS-P04R_SWD01A00	A,TM	TC05	0	25	S	0	23	S	0	24	S	3	23	IM				0	S	0	S																SR T-794 bridge #6404
6BTHC000.03	VAS-P03R_THC01A10	A	TC04	0	12	S	0	12	S	0	11	S	6	12	IM						0	S																Rt 460 bridge #1800 @ Clinch Valley Cemetery.
6BTHC000.06	VAS-P03R_THC01A10	B,SS	TC04	0	2	S	0	2	S	0	2	S											0	S							IM							Patterson St near Doran VSCI: 09/29/2008 55.22
6BTMP003.58	VAS-P07R_TMP01A06	A	TC14	0	12	S	0	12	S	0	12	S	8	12	IM																							SR 646 bridge #6275 off Rt 645
6BTMP006.26	VAS-P07R_TMP02A10	B,SS	TC14	0	15	S	0	15	S	0	15	S	6	13	IM						0	S	0	S							IM							Off 80 on SR 646, NE of Coulwood VSCI: 06/03/2009 50.93 09/30/2008 52.33
6BTMS000.35	VAS-P11R_TMS01A98	A	TC21	0	11	S	0	11	S	0	11	S	7	11	IM																							SR 1129 bridge #6224 off SR 813
6BTMS006.51	VAS-P11R_TMS02A00	FPM,B	TC21	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	S	0	S	0	S							FS							South of Herald VSCI: 03/13/2008 66.56
6BTMS-Park-SOS	VAS-P11R_TMS01A98	CMON	TC21																												HP							At park in Coeburn. Summer 2008: Lev II-Unacceptable
6BTOW001.32	VAS-P21R_TOW01A06	A	TP10	0	11	S	0	10	S	0	11	S	2	11	IM																							SR 654 Bridge #6043 off Rt 662
6BTOW003.82	VAS-P21R_TOW01B12	A	TP10	0	11	S	0	10	S	0	11	S	7	11	IM																							Rt 648 bridge #6370 off Rt 58 S of Hill Cemetery
6BVAL000.25	VAS-P14R_VAL01A02	A,TM	TC29	0	12	S	0	12	S	0	12	S	6	12	IM																							SR 670 bridge #6092 off 71
6BVAL002.86	VAS-P14R_VAL02A02	FPM,B	TC29	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							NNW of McConnell, S of Valley Cr Chapel, Class V VSCI: 10/08/2009 76.44 04/30/2009 67.70
6BVAL004.08	VAS-P14R_VAL02A02	A,TM	TC29	0	12	S	0	12	S	0	12	S	1	12	S																							SR 671 bridge 6454, Class V
6BWAL000.08	VAS-P22R_WAL01A00	A,SS,CR	TP11	0	2	S	0	1	IN	0	1	IN																										Near Powell River confluence
6BWAL000.12	VAS-P22R_WAL01A00	A	TP11	0	11	S	0	11	S	0	11	S	1	11	S																							SR 616 bridge off Rt 665, Class V
6BWAL005.97	VAS-P22R_WAL03A02	FPM,B	TP11	0	3	S	0	3	S	0	3	S	0	1	IN				0	S	0	S	0	S							FS							NE of Mt Washington School VSCI: 05/22/2008 57.55 11/07/2007 82.21 04/25/2007 72.09
6BWAL014.54	VAS-P22R_WAL02B02	A	TP11	2	11	IM	0	11	S	0	11	S	3	11	IM																							SR 612 bridge #6010, SW of Roller Chapel, Class V
6BWAL026.64	VAS-P22R_WAL02A02	A	TP11	2	11	IM	0	11	S	0	11	S	4	11	IM																							SR 859 off SR 612 @ Blue Spring Church, Class V
6BWEA000.02	VAS-P07R_WEA01A06	A	TC14	0	12	S	0	12	S	0	12	S	8	12	IM																							Bridge #6080 on SR 661 off Rt 82
6BWEA004.32	VAS-P07R_WEA01A06	A	TC14	0	12	S	0	12	S	0	12	S	6	12	IM																							SR 712 bridge #6098 off Rt 615
6BXDJ000.15	VAS-P09R_XDJ01A04	TM	TC23	0	12	S	0	12	S	0	12	S	0	12	S																							Off SR 682 near Dungannon
6BXGD000.01	VAS-P14R_XGD01A12	FPM,B	TC30	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							IM							Off SR 682 near Dungannon VSCI: 09/30/2009 43.38 04/27/2009 49.16
6BYLO001.50	VAS-P11R_YLO01A98	TM	TC20	0	12	S	0	12	S	0	12	S	5	12	IM																							Intersection Vanover Ave/Coeburn Rd
6CABR001.00	VAS-O12R_ABR01A00	A	TH38	0	12	S	0	12	S	0	12	S	2	12	IM																							Bridge # 6102 near Barker's Chapel
6CBER000.17	VAS-O03R_BER01A02	A	TH09	0	12	S	0	10	S	0	12	S	4	12	IM						0	S																SR 622 bridge #6028 W of Atkins
6CBER004.10	VAS-O03R_BER02A04	B,TM	TH09	0	4	S	0	4	S	0	4	S																			FS							Off Route 694 to FR 6251 VSCI: 11/13/2012 65.18 04/23/2012 71.00 10/17/2011 64.12 06/01/2011 71.91
6CBEV015.27	VAS-O07R_BEV01A94	A,B,C,SS	TH21	0	28	S	0	26	S	0	28	S	25	28	IM						0	S					0	S	4	IM	J							State Street & 8th, Bristol, VA/TN VSCI: 11/15/12 67 05/01/12 54 Four fish samples collected 8/27/2007 exceeded VDH level of concern and two additional exceeded the DEQ level of concern for Total PCBs.
6CBEV020.86	VAS-O07R_BEV01A94	A,B,SS	TH21	0	4	S	0	4	S	0	4	S	2	4	IM																J							@Pal's Bridge, Bristol off Rt. 11 VSCI: 11/15/12 67 05/01/12 54
6CBEV022.29	VAS-O07R_BEV02A94	A,B,C,SS	TH21	0	5	S	0	5	S	0	5	S	3	3	IM												0	S	0	S	J							Sugar Hollow Park near picnic shelters D & F VSCI: 11/15/2012 67.38 05/01/2012 54.70

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6CBEV023.99	VAS-O07R_BEV02A94	A,B,TM	TH21	0	2	S	0	2	S	0	2	S																			IM							Beaver Creek near Rt. 625 bridge VSCI: 09/18/2007 43.03 05/21/2007 53.83
6CBLU000.15	VAS-O13R_BLU01A08	A,TM	TH41	0	12	S	0	12	S	0	12	S	10	12	IM																							SR 689 bridge #6348 off 58/221
6CBMC000.38	VAS-O14R_BMC01A98	A,TM	TH43	0	21	S	0	21	S	0	21	S	6	21	IM																							Ford on SR 614 off 23
6CBMC002.90	VAS-O14R_BMC02A00	A,SS	TH43	0	12	S	0	12	S	0	12	S	1	12	S																							Low water bridge off SR 619
6CBMC008.35	VAS-O14R_BMC03A00	A,TM	TH43	0	12	S	0	12	S	0	12	S	1	12	S																							SR 669 bridge #6091off 71
6CBMC017.45	VAS-O14R_BMC04A02	A,TM	TH43	0	12	S	0	12	S	0	12	S	1	12	S																							SR 613 bridge #6130
6CBMC026.32	VAS-O14R_BMC05A02	A,TM	TH43	0	21	S	0	21	S	0	21	S	5	21	IM																							SR 613 bridge #6012 off SR 676 off 19
6CBMC042.54	VAS-O14R_BMC07A02	A	TH42	0	22	S	0	22	S	0	22	S	8	22	IM																							SR 679 bridge #6092 off 613 off 676
6CBMC049.05	VAS-O14R_BMC04A00	A,TM	TH42	0	12	S	0	12	S	0	12	S	6	12	IM																							SR 676 bridge #6089 off 19
6CBOO002.71	VAS-O08R_BOO01A12	A	TH23	0	12	S	0	12	S	0	12	S	6	12	IM																							SR 618 bridge #6026 @Gardeners Church
6CBRU000.20	VAS-O11R_BRU01B04	A	TH34	0	12	S	0	12	S	0	12	S	1	12	S																							Bridge # 6428 on SR 611 off Rt. 19, Class VI
6CBRU006.73	VAS-O11R_BRU01A00	B,TM	TH34	0	2	S	0	2	S	0	2	S																			FS							Off SR 689, Class VI VSCI: 11/18/2009 72.72 03/30/2009 63.71
6CBRU010.91	VAS-O11L_BRU01A02	L,C	TH34	26	53	IM	9	53	IM	0	53	S	0	7	S						0	S					1	O	0			0	7	S				Hidden Valley Lake Station #1 @ Dam, Class VI even though DGIF converted this lake to a warm water fishery.
6CBSC000.10	VAS-O01R_BSC01A02	A,TM	TH02	0	24	S	0	22	S	0	24	S	18	24	IM						0	S																SR 605 Culvert off SR 645 @ Riverside CC
6CBVD000.07	VAS-O02R_BVD01A00	A,C,TM	TH06	0	24	S	0	24	S	0	24	S	1	24	S												2	IM	0	S								Bridge #1029 on Rt. 58 in Damascus, Class VI Fish collection was 7/24/2007. A rock bass composite exceeded the screening value for Hg; a smallmouth composite exceeded the VDH level of concern for Hg.
6CBVR000.08	VAS-O10R_BVR01B04	A	TH29	0	12	S	0	10	S	0	12	S	8	12	IM						0	S																Bristol off Rt. 11 @Pal's Bridge
6CBYS000.08	VAS-O05R_BYS01A94	FPM,B,TM	TH13	0	2	S	0	1	IN	0	2	S																			J							SR 735 @ Bramblewood Farm VSCI: 11/26/2012 64.11 05/29/2012 58.33
6CBYS000.23	VAS-O05R_BYS01A94	A,TM	TH13	0	24	S	0	24	S	0	23	S	13	24	IM						0	S																SR 735, pvt bridge @ 32488 Ramblewood
6CCED000.14	VAS-O05R_CED01A94	A,B,TM	TH14	0	26	S	0	25	S	0	25	S	20	24	IM						0	S									IM							Off SR 803 at Mock Mill VSCI: 11/26/2012 55.02 05/29/2012 51.29
6CCED-CC1-UTRR	VAS-O05R_CED01A94	CMON	TH14											7	IN/O																							Rabbit Run Road (dead end road off SR 803, Additional Level II EC 7/5 viol 3C
6CCED-CC2-UTRR	VAS-O05R_CED01A94	CMON	TH14											6	IN/O																							Intersection of SR 735 and SR 803, Additional Level II EC 6/ 4 viol 3C
6CCOV002.44	VAS-O12R_COV01A00	A	TH40	0	12	S	0	12	S	0	12	S	3	11	IM																							SR 803 bridge #6147 off Rt 58/421
6CCOV002.54	VAS-O12R_COV01A00	FPM,B	TH40	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S									FS							Southwest of Baker Cemetery, off Rt. 421 VSCI: 10/15/12 77.55 05/01/12 68.61
6CCRS001.15	VAS-O01R_CRS01B04	A	TH01	0	7	S	0	6	S	0	7	S	1	7	IN						0	S																Rt 676 bridge #6081 @ Sugar Grove
6CDOW000.02	VAS-O13R_DOW01A08	A,B,TM	TH41	0	12	S	0	12	S	0	12	S	6	12	IM																J							SR 689 bridge #6349 off 58/221 VSCI: 11/15/12 67 05/01/12 54
6CDRY001.01	VAS-O03R_DRU01A04	A	TH08	0	12	S	0	10	S	0	12	S	1	12	S						0	S																Rt 683 bridge #6084 off I81
6CEFW000.46	VAS-O11R_EWF01A12	A	TH32	0	12	S	0	12	S	0	12	S	2	12	IM																							Pvt bridge off Rt 80 @Hayters Gap
6CFIF000.96	VAS-O06R_FIF01A02	A	TH15	0	12	S	0	12	S	0	12	S	4	12	IM																							SR 676 bridge #6054 off 672 off 75
6CFIN001.26	VAS-O11R_FIN01A12	A	TH33	0	12	S	0	12	S	0	12	S	2	12	IM																							SR 741 @ end state maintenance
6CGRC000.68	VAS-O01R_GRC01A00	A,TM	TH02	0	24	S	0	22	S	0	24	S	15	24	IM						0	S																SR 606 bridge #6370 near Loves Mill
6CGRN003.29	VAS-O12R_GRN01A00	FPM,B	TH35	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							IM							N of Carvosso Church VSCI: 10/01/2007 54.85 05/03/2007 53.52
6CGRN-1-SOS	VAS-O05R_GRW01A02	CMON	TH14																												LP							100 yards downstream of Route11 Spring 2008: Lev II-Acceptable
6CGRW000.09	VAS-O05R_GRW01A02	A,TM	TH14	0	12	S	0	12	S	0	12	S	10	12	IM																							SR 706 bridge #6423 off 58
6CGRW002.31	VAS-O05R_GRW01A02	B,SS,CR	TH14	0	1	IN	0	1	IN	0	1	IN																			IM							N of Neff VSCI: 05/06/2008 55.77
6CHAL-HB1-UTRR	VAS-O05R_HAL01A94	CMON	TH13											7	IN																							Hall Creek behind VanDyke Cafeteria upstream of footbridge, Additional Level II EC 7/ 1 viol 3C
6CHIL000.02	VAS-O13R_HIL01A08	A	TH41	0	18	S	0	18	S	0	18	S	4	18	IM																							SR 689 bridge # 6103 of 58/221
6CHTO000.07	VAS-O05R_HTO01A94	B,TM	TH13	0	2	S	0	1	IN	0	2	S																			FS							At Johnson Farm VSCI: 05/29/2012 66.65 11/26/2012 63.45

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6CHTO000.24	VAS-O05R_HTO01A94	A,TM	TH13	0	24	S	0	24	S	0	23	S	22	24	IM						0	S																At Johnson Farm
6CHTO-HB3-UTRR	VAS-O05R_HAL01A94	CMON	TH13											6	IN/O																						Intersection of SR 736 and SR 735, Additional Level II EC 6/4 viol 3C
6CHTO-HC3-UTRR	VAS-O05R_HTO01A94	CMON	TH13											6	IN/O																						Hutton Creek upstream from confluence of Plum Creek, Additional Level II EC 6/ 5 viol 3C
6CHUN001.34	VAS-O04R_HUN02A02	A	TH11	0	12	S	0	12	S	0	12	S	4	12	IM																						SR 658 bridge #6065
6CHUN004.76	VAS-O04L_HUN01A02	L,C	TH11	0	75	S	22	64	IM	0	75	S	0	7	S						0	S							4	IM		0	7	S				Hungry Mother Lake Station #1 @ Dam, Class V Fish were collected June 2007. 3 Largemouth bass individuals and one walleye composite exceeded screening value for Hg.
6CHUN005.24	VAS-O04L_HUN01A02	C	TH11																									4	IM								Hungry Mother Lake Station #1 @ Dam, Class V Fish were collected June 2007. 3 Largemouth bass individuals and one walleye composite exceeded DEQ screening value for Hg.
6CHUN006.54	VAS-O04R_HUN02B04	A	TH11	0	12	S	0	12	S	0	12	S	1	12	S																						SR 348 bridge #6098 @NE HM Park boundary
6CHUT000.07	VAS-O03R_HUT01A10	FPM,B	TH10	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							Near Mount Carmel VSCI: 11/26/2012 65.88 05/29/2012 66.52 10/10/2007 63.49 04/09/2007 68.57
6CLAE000.62	VAS-O10R_LAE02A02	A,TM	TH28	4	23	IM	0	21	S	0	23	S	5	24	IM						0	S																At Broadford Rt 42 bridge #1036 intersection w Rt 91- Class VI waters
6CLAE001.68	VAS-O10R_LAE02A02	B,TM	TH28	0	2	S	0	2	S	0	2	S																			FS							Off Rt 91 VSCI: 04/05/2010 75.80 03/26/2009 61.03
6CLAE014.52	VAS-O10R_LAE02C04	A,TM	TH28	0	22	S	0	20	S	0	22	S	2	23	S						0	S																Rt 16 bridge #1059
6CLAE018.29	VAS-O10R_LAE01A02	B,TM	TH28	0	2	S	0	2	S	0	2	S																			IM							Off FR 222 above Roaring Fork VSCI: 04/05/2010 58.07 03/25/2009 58.64
6CLAL000.19	VAS-O02R_LAL01A04	A,B	TH06	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							Off Rt 58 VSCI: 09/01/2011 64.19 06/09/2011 76.74
6CLAL001.21	VAS-O02R_LAL01A04	A,B	TH06	0	24	S	0	24	S	0	24	S	1	24	S																FS							SR 718 bridge #6079 off US 58
6CLAL001.79	VAS-O02R_LAL01A04	FPM,B	TH06	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							E of Vails Mill VSCI: 11/19/2007 71.75 03/27/2007 67.70
6CLAL004.90	VAS-O02R_LAL01A04	A	TH05	0	24	S	0	24	S	0	24	S	2	24	S																						Rt. 91 bridge #1062, Class VI
6CLAU001.84	VAS-O11L_LAU01A02	L	TH30	19	76	IM	25	76	IM	0	76	S	0	7	S						1	O										0	7	S				Laurel Bed Lake Station #1 @ dam, Class VI
6CLIB000.08	VAS-O09R_LIB01A02	A,TM	TH25	0	23	S	0	21	S	0	22	S	6	24	IM						0	S																SR 620 bridge #6026 off Rt 42, Class VI
6CLIB001.06	VAS-O09R_LIB01A02	A,B,FPM	TH25	0	2	S	0	2	S	0	2	S	1	1	IN				0	S	0	S	0	S							FS							near Goodwill Church VSCI: 11/05/2009 76.62 05/04/2009 74.91
6CLIB003.65	VAS-O09R_LIB01A02	B,TM	TH25	0	13	S	0	13	S	0	13	S	2	12	IM						0	S									FS							Off Rt. 621 above Laurel Branch VSCI: 11/10/2009 83.60 03/26/2009 73.01
6CLMO000.05	VAS-O12R_LMC01A02	A	TH35	0	12	S	0	12	S	0	12	S	2	12	IM																						SR 802 bridge #6440 off Rt. 19
6CLOC000.14	VAS-O10R_LOC01A02	A	TH27	0	23	S	0	21	S	0	23	S	16	24	IM						0	S																At Rich Valley SR 630 bridge #6039
6CLOG000.12	VAS-O11R_LOG01A02	A	TH33	0	12	S	0	12	S	0	12	S	3	12	IM																						Rt 80 pulloff,.25 mile upstream NFH confluence
6CLRL000.35	VAS-O04R_LRL01A04	A	TH12	0	12	S	0	12	S	0	12	S	6	12	IM																						Pvt. Bridge on Rt. 660 off Rt.11, Class V
6CLTC002.54	VAS-O10R_LTC01B04	B,SS	TH28	0	1	IN	0	1	W	1	1	IN																			FS							W of 91/607 Intersect, W of Tannersville VSCI: 07/06/2009 62.34
6CLTC004.59	VAS-O10R_LTC01B04	B,SS	TH28	0	1	IN	0	1	W	1	1	IN																			FS							E of power line, N of Flattop Mtn, Class V VSCI: 07/06/2009 66.37
6CLTC009.25	VAS-O10R_LTC01A02	B,SS	TH28	0	1	IN	0	1	W	1	1	IN																			IM							E of Jackson Cemetery, Jefferson National Forest, Class V VSCI: 07/06/2009 52.16
6CLTL000.26	VAS-O07R_LTL01A96	A,TM	TH21	0	24	S	0	22	S	0	24	S	21	24	IM																						State St. bridge @ Paty Lumber

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6CMFH011.31	VAS-O05R_MFH03A00	A,B,TM	TH14	0	17	S	0	17	S	0	17	S	0	12	S				0	S	0	S	0	S							FS							Ford Off SR 706 east of Neff VSCI: 11/17/2008 59.59 06/12/2008 59.66 10/16/2007 75.07 05/31/2007 63.41
6CMFH013.21	VAS-O05R_MFH03A00	A,TM,TR	TH14	0	41	S	0	41	S	0	40	S	5	32	IM						0	S															SR 803 bridge
6CMFH033.40	VAS-O04R_MFH01A00	A,B,C,TR	TH12	0	37	S	0	36	S	0	36	S	13	36	IM						0	S					1	O	0	S	FS							SS station @ SR 645 bridge, VSCI: 9/24/2008 67.39 7.24.2007 - Smallmouth bass: 0.37 ppm Hg
6CMFH040.67	VAS-O03R_MFH01A00	A	TH10	0	12	S	0	10	S	0	12	S	7	12	IM						0	S															@ Marion, Holston Hills CC Off Rt 11, Class V
6CMFH045.72	VAS-O03R_MFH01A00	A,TR	TH10	0	18	S	0	16	S	0	18	S	2	9	IM						0	S															SR 693 bridge off US 11, Class V
6CMFH045.83	VAS-O03R_MFH01A00	B,TM	TH10	0	2	S	0	2	S	0	2	S																			FS							SR 693 above Marion, Class V VSCI: 11/17/2008 74.91 05/29/2008 61.65
6CMFH055.88	VAS-O03R_MFH05A04	A,B,SS	TH08	0	13	S	0	11	S	0	13	S	8	12	IM						0	S									IM							SR 680 Culvert VSCI: 09/24/2008 50.35
6CNFH007.78	VAS-O13R_NFH01A94	B,TM	TH45	0	2	S	0	2	S	0	2	S																			FS							Off SR 614 VSCI: 11/18/2008 74.16 04/24/2008 63.96
6CNFH008.78	VAS-O13R_NFH01A94	A,TR	TH45	0	35	S	0	32	S	0	35	S	4	35	IM						0	S															RT. 23 bridge below Weber City
6CNFH008.80	VAS-O13R_NFH01A94	C	TH45																							3	IM	0	S								Below Weber City Two samples exceeded the VDH level of concern. An additional sample exceeded the DEQ level of concern.
6CNFH014.72	VAS-O13R_NFH02A94	FPM,B,TM	TH41	0	2	S	0	1	IN	0	2	S																			FS							Jeep trail N of Penitentiary Hollow VSCI: 04/12/2010 75.33 04/30/2009 68.44
6CNFH039.18	VAS-O12R_NFH01C02	C	TH39																							4	IM	0	S								Near Mendota Four fish samples exceeded the VDH level of concern for Hg.
6CNFH067.13	VAS-O11R_NFH02A94	B,TM	TH33	0	4	S	0	4	S	0	4	S	0	1	IN				0	S	0	S	1	O							FS							Off SR 611 N of Thompson Cemetery VSCI: 11/10/2008 60.59 05/21/2008 61.90 10/04/2007 58.10 05/03/2007 67.09 Monitoring data exceeded the Sediment Screening Value for mercury.
6CNFH073.03	VAS-O11R_NFH02B10	FPM,B	TH31	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	1	O							FS							W of Snodgrass Cemetery VSCI: 11/23/2009 68.78 04/29/2009 72.59 Monitoring data exceeded the Sediment Screening Value for MERCURY
6CNFH078.55	VAS-O11R_NFH03A94	C,SS	TH31																							1	IM	1	O								Ford off SR 611 upstream of Tumbling Ck A smallmouth bass composite sample exceeded the VDH level of concern for Hg and PCB.
6CNFH079.22	VAS-O11R_NFH03A94	SS	TH31	0	2	S	0	2	S	0	2	S	0	2	S																							Ford off SR 611 upstream of Tumbling Ck
6CNFH080.43	VAS-O11R_NFH03A94	A,TM	TH31	0	14	S	0	14	S	0	14	S	1	14	S																							Below Saltville
6CNFH081.69	VAS-O11R_NFH03A94	TM	TH31	0	12	S	0	12	S	0	12	S	4	12	IM																							End of Henrytown Rd, across from pump station
6CNFH085.20	VAS-O10R_NFH02A00	A,TM,TR	TH29	0	48	S	0	46	S	0	48	S	6	40	IM				0	S	0	S																Rt 91 bridge above Saltville
6CNFH086.23	VAS-O10R_NFH02A00	B	TH29	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	S	0	S	0	S							W							@ McCready, stream was unwadable; no benthic sample was collected.
6CWLC003.74	VAS-O02R_WLC02B12	A,B,CR	TH04	0	1	IN	0	1	IN	0	1	IN																			FS							RR trestle on VA Creeper off US 58, Class VI VSCI: 11/13/2008 81.62
6CWLC010.20	VAS-O02R_WLC01A00	A,B,FPM	TH04	0	4	S	0	4	S	0	4	S																			FS							SR 728 above RR trestle VSCI: 11/15/2012 85.52 05/31/2012 68.36
6CWLC011.55	VAS-O02R_WLC01A00	A	TH04	0	12	S	0	12	S	0	12	S	2	12	IM																							RR trestle on VA Creeper off US 58, Class VI
6CWLC-WLC1-SOS	VAS-O02R_WLC02B12	CMON	TH04																											LP							Virginia Creeper Trail, 30 yards upstream of bridge #23 Fall 2007: Lev II-Acceptable
6CWLF001.18	VAS-O06R_WLF03A06	A	TH16	0	24	S	0	24	S	0	24	S	8	14	IM						0	S																SR 658 bridge #1034 off SR 670
6CWLF004.10	VAS-O06R_WLF01A98	B,TM	TH16	0	15	S	0	15	S	0	15	S	3	12	IM				0	S	0	S	0	S							IM							Off Rt. 75, VSCI: 9/24/2007 50.36 05/31/2007 43.98

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6CWLF005.95	VAS-O06R_WLF01A98	B,SS	TH16	0	3	S	0	3	S	0	3	S	0	1	IN				0	S	0	S	0	S							IM							Off Rt 75, N of WTP ponds VSCI: 08/31/2011 55.13 06/09/2011 53.36 06/08/2010 48.43
6CWLF006.43	VAS-O06R_WLF01A98	B,SS	TH16	0	1	IN	0	1	IN	0	1	IN																			IM							Off Rt 75, West of Blind Hollow VSCI: 06/08/2010 42.47
6CWLF006.55	VAS-O06R_WLF01A98	C,SS	TH16																								0	S	0	S								Fish samples were collected 8/27/2007. No samples exceeded WQS.
6CWLF008.00	VAS-O06R_WLF02B08	TM	TH16	0	12	S	0	12	S	0	12	S	1	3	IN						0	S																SR 794 culvert off SR 670 near Stone Mill
6CWLF-4-SOS	VAS-O06R_WLF01A98	MU,CMON	TH16																												LP							1.25 miles below the Wolf Creek Water Reclamation Facility (VPDES-VA0026531) Spring 2010: Lev II-Acceptable Fall 2009: Lev II-Gray Zone Spring 2009: Lev II-Unacceptable
6CWOC000.02	VAS-O11R_WOC01A12	A	TH32	0	12	S	0	12	S	0	12	S	4	12	IM																							Rt 80 bridge #1043 @Hayters Gap Community Center
6CWOL000.04	VAS-O11R_WOL01A02	A	TH32	0	12	S	0	12	S	0	12	S	0	12	S																							Rt 80 bridge #1045
6CWOL000.39	VAS-O11R_WOL01A02	B,TM	TH32	0	2	S	0	2	S	0	2	S																			FS							Off Rt 80, VSCI: 06/08/2011 73.66 10/17/2011 75.75
6CXBV000.21	VAS-O13R_XBV01A08	A,TM	TH41	0	10	S	0	10	S	0	10	S	3	10	IM																							SR 896 bridge #6573 off 58/221
6CXCE-CC3-UTRR	VAS-O05R_XCE01A02	CMON	TH14											7	IN/O																							As creek passes under Rt 80 near Meadowview Elementary School , Additional Level II EC 7/ 4 viol 3C
6CXDY000.17	VAS-O05R_XDY01A08	A,TM	TH14	0	12	S	0	12	S	0	12	S	8	12	IM																							SR 803 bridge #6337
6CXEE000.72	VAS-O01R_XEE01A08	B,TM	TH01	0	12	S	0	12	S	9	12	IM	0	11	S																J							Iron Mtn, off Appalachian Trail 75% of pH measurements are acidic, probably due to acid rain. VSCI: 04/02/2009 59.37
6CXEO000.25	VAS-O12R_XEO01A12	FPM,B	TH40	0	2	S	0	2	S	0	2	S	1	1	IN				0	S	0	S	0	S							J							@Valley Institute VSCI: 10/22/2009 58.65 04/06/2009 65.89
7002	VAS-O03R_ENI01A02	USFS	TH08																												UN							VSCI: 4/27/2011 84
7027	VAS-O10R_ROA01A02	USFS	TH28																												UN							VSCI: 4/25/2012 76 05/23/2011 73 05/26/2010 79 05/04/2009 82
784.22-MLC1 - ATS	VAS-P17R_MIK02A14	NONA	TP03																												IM							above metal bridge at gas well VSCI: 2/15/2011 52
785.27-RF1 - ATS	VAS-P17R_RIN01B14	NONA	TP01																												IM							125m upstream of confluence with Potcamp Fork VSCI: 8/25/2011 32
819.07-AS4 - ATS	VAS-P17R_MIK01A06	NONA	TP03																												IM							above unnamed tributary confluence, 50m downstream of bridge VSCI: 10/11/2011 54
819.07-AS5 - ATS	VAS-P17R_MIK01A06	NONA	TP03																												J							100m below unnamed tributary confluence VSCI: 10/05/2011 57
825.02-MLC1 - ATS	VAS-P17R_MIK02A14	NONA	TP03																												IM							50m above access road, VSCI: 8/26/2011 52
825.02-PF1 - ATS	VAS-P17R_POT01A14	NONA	TP01																												IM							150 m downstream of the confluence with Band Mill Hollow and adjacent to a substation VSCI: 8/25/2011 29 2/23/2011 32
827.03-PR1 - ATS	VAS-P17R_POW02B06	NONA	TP02																												IM							50m upstream edge of the Bulldog Mine permit boundary VSCI: 8/30/2011 48 & 2/18/2011 39
827.03-PR2 - ATS	VAS-P17R_POW02B06	NONA	TP02																												IM							50m downstream of the southwestern edge of the Bulldog mine permit area VSCI: 8/30/2011 51 & 2/18/2011 39
930.02-CC1 - ATS	VAS-P17R_CAL01C14	NONA	TP03																												IM							150m above confluence with Possum Trot Hollow VSCI: 2/16/2011 52
930.02-CC1F - ATS	VAS-P17R_CAL01C14	NONA	TP03																												FS							50m upstream of Possum trot confluence VSCI: 9/19/2011 60
930.02-CC2 - ATS	VAS-P17R_CAL01B04	NONA	TP03																												IM							100m downstream of the confluence with Possum Trot Hollow VSCI: 9/19/2011 57 & 2/16/2011 45
930.02-CC3 - ATS	VAS-P17R_CAL01C14	NONA	TP03																												FS							75m below train load out, VSCI: 2/23/2011 60
930.02-cc3a - ATS	VAS-P17R_CAL01C14	NONA	TP03																												IM							75 meters upstream of train loading facility VSCI: 2/16/2011 51
930.02-CC3F - ATS	VAS-P17R_CAL01C14	NONA	TP03																												FS							75 meters upstream of train loading facility 150m above processing plant VSCI: 9/19/2011 62
956.25-HB1 - ATS	VAS-P17R_HLS01A14	NONA	TP03																												IM							300m upstream of confluence with Mud Lick Creek VSCI: 8/22/2011 48 & 2/15/2011 45
956.25-MLC1 - ATS	VAS-P17R_MIK01A06	NONA	TP03																												IM							50m above confluence with Halls Branch VSCI: 8/22/2011 45 & 2/15/2011 31

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
956.25-MLC2 - ATS	VAS-P17R_MIK01A06	NONA	TP03																												IM							250 m upstream of the confluence with Callahan Creek, VSCI: 8/25/2011 49 & 2/15/2011 31
GAR40.00-CCC	VAS-Q04R_GAR01A98	NONA	BS08																		0	S																At Route 669 Bridge off Rt 624 near Appalachian School of Pharmacy Water Toxics-Chloride 23 measurements
HM-CB-SP	VAS-O04L_HUN01A02	NONA	TH11										0	51	S																							Hungry Mother State Park- Swimming Beach aggregated data. Additional Level II: 21 samples/1 exceeds
LEV29.00-CCC	VAS-Q04R_LEV01A94	NONA	BS09																		0	S																Near Janey, 0.5 miles upstream of Dismal Creek Water Toxics-Chloride 23 measurements
SFHRM 62.5-TVA	VAS-O06L_SFH01A00	NONA	TH19		568	IN		568	IN		568	IN							0	S	0	S																Mid-Res, Additional Level II, continuous monitor: Temp 568/0 viol DO 568/0 viol pH 568/0 viol Level III: Ammonia 14/ 0 viol
SH-05-TVA	VAS-O06L_SFH01A00	NONA	TH19										2	9	S																							Washington County Park Swim Site- SF Holston River Mile 62.2 E.coli Geomean=13
SH-06-TVA	VAS-O06L_SFH01A00	NONA	TH17										1	9	S																							TVA Canoe Access Area 6 (Whitaker Hollow)- SF Holston River Mile 70.8 E.coli Geomean=8.45
WC-01-AB	VAS-O06R_WLF01A98	NONA	TH16	0	56	S	0	55	S	0	56	S	23	56	IM																							20 yards upstream of Abingdon WWTP outfall
WR-1-SP	VAS-P24R_IND02A14	NONA	TP18										6	9	IM																							Wilderness Road State Park- Bridge Site
WR-2-SP	VAS-P24R_IND02A14	NONA	TP18										9	9	IM																							Wilderness Road State Park- Tube Put In
WR-3-SP	VAS-P24R_IND02A14	NONA	TP18										9	9	IM																							Wilderness Road State Park- Tube Take Out
03208500	VAS-Q12R_RSS03A02	USGS	BS27	0	14	S															0	S																Russell Fork At Haysi, VA WatTox Cl 14 measurements
03475000	VAS-O05R_MFH03A00	USGS	TH14	0	12	S															0	S																M F Holston River Near Meadowview, VA WatTox Cl 12 measurements
03524000	VAS-P07R_CLN01A00	USGS	TC14	0	13	S															0	S																Clinch River At Cleveland, VA WatTox Cl 13 measurements
03524740	VAS-P09R_CLN01A00	USGS	TC23	0	545	S	0	21	S	0	530	S							0	S	0	S			0	S												PWS Continuous monitor @ Clinch River at Route 65 Dungannon, VA WatTox Cl 26 measurements Ammonia 24 Sulfate 26
03531500	VAS-P21R_POW02A02	USGS	TP10	0	12	S															0	S																Powell River Near Jonesville, VA WatTox Cl 12 measurements
1035.09-UT1LC1 - ATS	VAS-P17R_LOC01B14	NONA	TP04																												FS							75m below SR 160 culvert crossing VSCI: 8/26/2011 66 & 3/22/2011 84
1035.09-UT1LC2 - ATS	VAS-P17R_LOC01B14	NONA	TP04																												FS							150m above haul road crossing VSCI: 8/26/2011 65 & 3/22/2011 83
1035.09-UT2LC1 - ATS	VAS-P17R_LOC01B14	NONA	TP04																												FS							100m above haul road crossing VSCI: 3/22/2011 79
1035.09-UT2LC1F - ATS	VAS-P17R_LOC01B14	NONA	TP04																												FS							150m north of mine site, VSCI: 8/26/2011 77
1036.12-PC1 - ATS	VAS-P17R_PRE01A06	NONA	TP03																												J							100m below permit boundary VSCI: 8/29/2011 46 & 3/21/2011 68
1036.12-PC2 - ATS	VAS-P17R_PRE01A06	NONA	TP03																												FS							Stonega VSCI: 3/21/2011 76
1036.12-UTPC1 - ATS	VAS-P17R_XHV01A14	NONA	TP03																												J							100m upstream of marker mine permit boundary VSCI: 8/29/2011 56 & 3/21/2011 75
1081.07-BT1 - ATS	VAS-P20R_BAI01A00	NONA	TP08																												J							downstream of permit and 75m below box cut VSCI: 10/3/2011 59 & 3/23/2011 69
1081.07-GC1 - ATS	VAS-P20R_GIN01A00	NONA	TP08																												FS							50m above public viewing area VSCI: 10/3/2011 62 & 3/23/2011 82
1083.05-SC1 - ATS	VAS-P20R_SRA01A94	NONA	TP08																												IM							adjacent to 1256 Deel Fork Road behind town hall and church VSCI: 10/03/2011 46 & 3/23/2011 47
1101701-BC5 - ATS	VAS-Q08R_BLC01A98	NONA	BS14																												IM							100m downstream of confluence with Deel Fork VSCI: 10/17/2011 42
1101779-HB1 - ATS	VAS-Q11R_HNE01A14	NONA	BS23																												FS							25m upstream of confluence with Wakenva Branch VSCI: 10/26/2011 60
1101779-HB2 - ATS	VAS-Q11R_HNE01A14	NONA	BS23																												FS							below old strip bench VSCI: 11/01/2011 77
1101779-WB1 - ATS	VAS-Q11R_WAK01A14	NONA	BS23																												IM							50m upstream of Honey Branch confluence VSCI: 10/26/2011 48
1101779-WB2 - ATS	VAS-Q11R_WAK01A14	NONA	BS23																												IM							adjacent to old haul road VSCI: 10/26/2011 50
1101834-CRC1 - ATS	VAS-Q11R_CRC01A14	NONA	BS22																												IM							below deep mine and road crossing VSCI: 11/02/2011 50
1101834-CRC2 - ATS	VAS-Q11R_CRC01A14	NONA	BS22																												J							adjacent to haul road and 150m upstream of confluence with Spring Fork VSCI: 11/01/2011 57
1101834-MFOF1 - ATS	VAS-Q11R_OMF01A14	NONA	BS22																												FS							adjacent to gas well access road VSCI: 11/01/2011 74
1102001-HF1 - ATS	VAS-Q08R_CNW02B14	NONA	BS15																												FS							50m upstream of confluence with Conaway Creek VSCI: 11/09/2011 66

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
1102001-JBF1 - ATS	VAS-Q08R_CNW02A14	NONA	BS15																											IM							adjacent to haul road, below bench VSCI: 11/09/2011 54
1102001-LB1 - ATS	VAS-Q08R_CNW02B14	NONA	BS15																											FS							Adjacent to access road VSCI: 11/09/2011 72
1102030-BC1 - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							25m downstream of confluence with Convict Hollow VSCI: 10/18/2011 37
1102030-BC2 - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							75m below 609 bridge crossing VSCI: 10/24/2011 36
1102030-CH3 - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							175m upstream of confluence with Bull Creek VSCI: 10/17/2011 39
1102030-PC1 - ATS	VAS-Q08R_PLR01A08	NONA	BS14																											IM							15m upstream of June Apple Rd VSCI: 10/17/2011 49
1102030-PC2 - ATS	VAS-Q08R_PLR01A08	NONA	BS14																											J							20m downstream of Bandit Rd. VSCI: 10/17/2011 57
1116.01-PR1F - ATS	VAS-P17R_POW01B02	NONA	TP02																											IM							100m downstream of SR 790 crossing VSCI: 8/23/2011 35
1116.04-BC1 - ATS	VAS-P17R_BLK01A96	NONA	TP02																											IM							75m below sediment pond and adjacent to haul road, VSCI: 8/23/2011 49 3/22/2011 49
1116.04-BC3 - ATS	VAS-P17R_BLK01A96	NONA	TP02																											IM							350m downstream of Black Creek Lake VSCI: 3/22/2011 59
1116.04-BC3F - ATS	VAS-P17R_BLK01A96	NONA	TP02																											IM							50m below wetland, 250m below Black Creek Lake. VSCI: 8/23/2011 32
1116.04-BC4 - ATS	VAS-P17R_BLK01B14	NONA	TP02																											FS							50m above first unnamed tributary upstream of Black Creek Lake VSCI: 8/23/2011 60 & 3/22/2011 79
1116.04-PR-1 - ATS	VAS-P17R_POW01B02	NONA	TP02																											IM							100m below junction of SR 790 and old hwy 23 VSCI: 3/22/2011 33
1116.04-PR2 - ATS	VAS-P17R_POW01B02	NONA	TP02																											IM							100m downstream of Coal Bucket Deli at Blackwood VSCI: 8/23/2011 48 & 3/22/2011 40
1127.04-AS1 - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							50m upstream of confluence with Levisa Fork VSCI: 10/13/2011 40 05/02/2011 39
1127.04-AS3 - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							100m upstream of confluence with Burnt Poplar Fork, VSCI: 5/02/2011 42
1127.04-AS6 - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							100m upstream of confluence with Belcher Branch VSCI: 5/02/2011 47
1127.04-AS611F - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							100m upstream of confluence with Belcher Branch VSCI: 10/13/2011 41
1127.04-AS6F - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							adjacent to food pantry/ old school house VSCI: 10/13/2011 28
1184.03-SW4 - ATS	VAS-P17R_LOC01A12	NONA	TP04																											IM							25m downstream of a culvert discharge VSCI: 10/05/2011 45
1184.03-SW4L - ATS	VAS-P17R_LOC01B14	NONA	TP04																											FS							75m downstream of SR 160 road crossing VSCI: 10/05/2011 63
1184.03-SW4R - ATS	VAS-P17R_LOC01A12	NONA	TP04																											IM							50m down stream of confluence with unnamed tributary VSCI: 10/05/2011 47
1184.03-SW7 - ATS	VAS-P17R_LOC01A12	NONA	TP04																											IM							50m downstream of an unnamed tributary VSCI: 10/05/2011 32
1184.04-RFCC1 - ATS	VAS-P17R_BLU01A10	NONA	TP03																											FS							150m up from confluence VSCI: 10/05/2011 61
1199.01-CC1 - ATS	VAS-P17R_CPH01A14	NONA	TP01																											IM							150m below confluence with Sargent Hollow VSCI: 2/23/2011 16
1199.01-PR1 - ATS	VAS-P17R_POW03C14	NONA	TP02																											IM							150m above haul road crossing VSCI: 8/25/2011 52 & 2/21/2011 58
1199.01-RF1 - ATS	VAS-P17R_RIN01B14	NONA	TP01																											IM							50m upstream of Stidham Fork confluence VSCI: 8/23/2011 44
1199.01-RF1F - ATS	VAS-P17R_RIN01B14	NONA	TP01																											IM							100m upstream of Stidham Fork confluence VSCI: 8/23/2011 30
1199.01-RF2 - ATS	VAS-P17R_RIN01B14	NONA	TP01																											IM							400m upstream of Pine Branch VSCI: 8/23/2011 34 2/22/2011 31
1199.01-RF3 - ATS	VAS-P17R_RIN01B14	NONA	TP01																											IM							75m upstream of Pine Branch adjacent to coke ovens, VSCI: 8/23/2011 33 2/22/2011 27
1199.01-RF4 - ATS	VAS-P17R_RIN01B14	NONA	TP01																											IM							on southern edge of DMLR permit 1101760 VSCI: 8/25/2011 40 2/22/2011 32
1200.01-PR1 - ATS	VAS-P17R_POW01C02	NONA	TP02																											J							between two bridges, 0.25 miles west of junction SR 610 and SR 623 VSCI: 9/28/2011 59 & 2/23/2011 50
1200.01-PR2 - ATS	VAS-P17R_POW01C02	NONA	TP02																											J							between two road bridges, 0.7 miles south of junction SR 610 and SR 623 VSCI: 9/28/2011 49 & 2/21/2011 73

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
1201487-HB1 - ATS	VAS-P10R_HON01A14	NONA	TC17																											FS							100m above confluence with unnamed tributary VSCI: 10/26/2011 71
1201487-HB2 - ATS	VAS-P10R_HON01A14	NONA	TC17																											FS							below SR 610 bridge crossing at dumpsters VSCI: 10/26/2011 70
1201574-CC2 - ATS	VAS-Q08R_CNW02A14	NONA	BS15																											IM							75m upstream of confluence with Hoffman Fork VSCI: 10/18/2011 37
1201574-LB1 - ATS	VAS-Q08R_CNW02B14	NONA	BS15																											FS							adjacent to abandoned house VSCI: 10/18/2011 60
1201648-DF2 - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							adjacent to 1256 Deel Fork Road VSCI: 10/18/2011 39
1201678-DF1 - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							150m downstream of confluence with Deel Fork VSCI: 10/18/2011 34
1201678-JF1 - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							100m upstream of Deel Fork Confluence VSCI: 10/18/2011 45
1201775-LFLC1 - ATS	VAS-P10R_LEL01A98	NONA	TC17																											IM							25m upstream of SR 627/860 junction VSCI: 1/11/2011 44
1201775-LFLC2 - ATS	VAS-P10R_LEL01A98	NONA	TC17																											IM							100m downstream of West Dante 4-way junction VSCI: 1/11/2011 58 1/01/2011 47
1201798-LT1 - ATS	VAS-Q12R_LTH01A14	NONA	BS35																											J							150m upstream of confluence with Abes Fork VSCI: 10/25/2011 57
1202045-MFHC1 - ATS	VAS-Q12R_XGN01A12	NONA	BS35																											IM							25m upstream of Hunts Creek confluence VSCI: 10/25/2011 31
1202045-MFHC2 - ATS	VAS-Q12R_XGN01A12	NONA	BS35																											IM							adjacent to roadway, below houses VSCI: 10/25/2011 56
1211.01-CF1 - ATS	VAS-P11R_CRI01A14	NONA	TC19																											IM							100m above Red River Coal Haul road VSCI: 8/25/2011 30 2/21/2011 36
1211.01-GR2 - ATS	VAS-P11R_GUE04A96	NONA	TC19																											IM							on the Guest River approximately 200 m upstream of the confluence with Roberts Branch VSCI: 8/25/2011 39 2/21/2011 26
1211.01-GR3 - ATS	VAS-P11R_GUE04A96	NONA	TC19																											IM							on the Guest River approximately 150 m downstream of the confluence with Short Branch VSCI: 8/25/2011 28 2/21/2011 19
1211.01-GR4 - ATS	VAS-P11R_GUE04A96	NONA	TC19																											IM							on the Guest River approximately 200 m downstream of the confluence with Big Branch VSCI: 8/25/2011 36 2/23/2011 25
1212.01-BC1 - ATS	VAS-P11R_BER02A00	NONA	TC20																											IM							on Bear Creek approximately 300 m above the confluence with an unnamed tributary VSCI: 2/16/2011 42
1212.01-BC2 - ATS	VAS-P11R_BER02A00	NONA	TC20																											IM							on Bear Creek approximately 200 m downstream of the confluence with an unnamed tributary VSCI: 2/16/2011 36
1212.01-UTBC1 - ATS	VAS-P11R_XHW01A14	NONA	TC20																											IM							100m above confluence to Bear Creek VSCI: 2/16/2011 43
1213.01-GR1 - ATS	VAS-P11R_GUE03A98	NONA	TC21																											IM							600m upstream of the Ramsey Preparation Plant VSCI: 2/21/2011 35
1213.01-GR2 - ATS	VAS-P11R_GUE03A98	NONA	TC21																											IM							adjacent to silos at Ramsey Plant VSCI: 2/21/2011 36
1213.01-GR3 - ATS	VAS-P11R_GUE03A98	NONA	TC21																											IM							150m below confluence with Machine Creek VSCI: 2/21/2011 30
1218.01-LF1 - ATS	VAS-P17R_LAF01A14	NONA	TP04																											FS							150m above Exeter Deep Mine VSCI: 2/18/2011 74
1218.01-PC1 - ATS	VAS-P17R_PIG01A06	NONA	TP04																											IM							50m below Laurel Fork confluence VSCI: 2/18/2011 43
1218.01-PC2 - ATS	VAS-P17R_PIG01B12	NONA	TP04																											IM							50m upstream of residential area of Lower Exeter VSCI: 2/18/2011 29
1218.01-PC3 - ATS	VAS-P17R_PIG01B12	NONA	TP04																											IM							100m downstream of Exeter VSCI: 2/18/2011 35
1222.01-CC1 - ATS	VAS-P17R_CAL01B04	NONA	TP03																											IM							150m upstream of confluence with Mud Lick Creek VSCI: 10/04/2011 36
1222.01-CC2 - ATS	VAS-P17R_CAL01B04	NONA	TP03																											IM							Beside railroad and under main power line VSCI: 10/04/2011 42
1222.01-CC3 - ATS	VAS-P17R_CAL01B04	NONA	TP03																											IM							adjacent to railroad and between two bridges VSCI: 10/04/2011 30
1222.01-CC5 - ATS	VAS-P17R_CAL01C14	NONA	TP03																											IM							75m upstream of pigeon creek processing plant VSCI: 10/21/2011 46
1222.01-MB1 - ATS	VAS-P17R_MRB01A14	NONA	TP03																											FS							adjacent to Stonega Calvary Baptist Church VSCI: 10/04/2011 74
1231.01-CC1F - ATS	VAS-P17R_CAL01B04	NONA	TP03																											IM							adjacent to substation VSCI: 9/28/2011 48

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
1231.01-CC2F - ATS	VAS-P17R_CAL01B04	NONA	TP03																											IM							75m upstream of Possum Trot Hollow confluence VSCI: 9/28/2011 47
1231.01-CC3F - ATS	VAS-P17R_CAL01B04	NONA	TP03																											IM							100m above confluence with Possum Trot Hollow VSCI: 9/28/2011 45
1232.01-BC1 - ATS	VAS-P20R_BUY01B14	NONA	TP07																											IM							adjacent to Railroad and power line right-of-way VSCI: 9/22/2011 45
1232.01-CC1 - ATS	VAS-P20R_CXR01A14	NONA	TP07																											IM							0.5 miles on Daleville Rd off of SR 626 VSCI: 9/22/2011 29 & 3/29/2011 47
1232.01-CC2 - ATS	VAS-P20R_CXR01A14	NONA	TP07																											IM							adjacent to an abandoned house VSCI: 9/22/2011 31 & 3/29/2011 23
1232.01-JC1 - ATS	VAS-P20R_JON01A14	NONA	TP07																											IM							at bridge crossing at mouth of hollow VSCI: 9/22/2011 34 & 3/23/2011 30
1232.01-MC1 - ATS	VAS-P20R_MRF01A14	NONA	TP07																											J							50m above roadway VSCI: 9/22/2011 56 & 3/23/2011 76
1235.01-RF1 - ATS	VAS-P17R_RIN01A00	NONA	TP01																											IM							300m above Gabe Br. Confluence VSCI: 3/22/2011 34
1235.01-RF2 - ATS	VAS-P17R_RIN01A00	NONA	TP01																											IM							200m below trash dumpsters VSCI: 3/22/2011 39
1236.01-NFPR1 - ATS	VAS-P20R_PWL02A02	NONA	TP07																											FS							off SR 606 adjacent to Eastern Sunrise Baptist Church, VSCI: 9/22/2011 61 & 3/29/2011 62
1236.01-NFPR2 - ATS	VAS-P20R_PWL03B02	NONA	TP07																											J							25m upstream of SR 606 bridge crossing just downstream of Wolf Harbor Branch VSCI: 9/22/2011 58 & 3/29/2011 64
1236.01-RB1 - ATS	VAS-P20R_RLB01A14	NONA	TP07																											J							100m upstream of confluence with North Fork of Powell River VSCI: 9/22/2011 54 & 3/29/2011 74
1236.01-RB2 - ATS	VAS-P20R_RLB01A14	NONA	TP07																											FS							upstream of permit boundary VSCI: 3/29/2011 77
1236.01-RB2F - ATS	VAS-P20R_RLB01A14	NONA	TP07																											J							175m upstream of North Fork of Powell confluence VSCI: 9/22/2011 57
1236.01-WHB1 - ATS	VAS-P20R_WHB01A14	NONA	TP07																											J							100m above mine office VSCI: 9/22/2011 55 & 3/29/2011 75
1237.01-BC1 - ATS	VAS-P20R_LIT01A14	NONA	TP07																											FS							50m below confluence with Little Bundy Creek VSCI: 3/23/2011 61
1237.01-LBC1 - ATS	VAS-P20R_LIT01A14	NONA	TP07																											IM							150m below power line right-of-way VSCI: 4/25/2011 50
1241.02-MLC1 - ATS	VAS-P17R_MIK01A06	NONA	TP03																											IM							150m downstream of McHenry Fork adjacent to log cabin VSCI: 4/25/2011 45
1241.02-MLC2 - ATS	VAS-P17R_MIK02A14	NONA	TP03																											IM							125m downstream of the confluence with Lick Branch VSCI: 4/25/2011 57
1241.02-MLC3 - ATS	VAS-P17R_MIK02A14	NONA	TP03																											FS							200m above confluence with Lick Branch VSCI: 4/25/2011 61
1241.02-MLC4 - ATS	VAS-P17R_MIK02A14	NONA	TP03																											IM							head of Mud Lick Creek drainage above garage and 150m upstream of confluence with Mud Lick Creek, VSCI: 4/25/2011 51
1241.02-PC1 - ATS	VAS-P17R_PRE01A06	NONA	TP03																											FS							100m upstream of last house VSCI: 4/25/2011 64
1253.03-GF1 - ATS	VAS-Q13R_GLD01A14	NONA	BS28																											IM							0.6 miles on SR 679 off SR 671 VSCI: 08/29/2011 52
1253.03-HB1 - ATS	VAS-Q13R_HAY01A14	NONA	BS28																											IM							225m upstream of confluence with South Fork Pound River VSCI: 08/29/2011 35
1253.03-SFPR1 - ATS	VAS-Q13R_PNS01A94	NONA	BS28																											IM							275m upstream of confluence with Big Branch VSCI: 08/29/2011 26
1253.03-SFPR2 - ATS	VAS-Q13R_PNS01A94	NONA	BS28																											IM							475m upstream of mine entrance road along SR 671 VSCI: 8/29/2011 36
1300504-AGB1 - ATS	VAS-Q11R_ACB01A14	NONA	BS22																											J							adjacent to haul road strip bench VSCI: 11/01/2011 58
1300504-DF1 - ATS	VAS-Q11R_DIL01A14	NONA	BS22																											IM							100m upstream of confluence with Austin Gap Branch VSCI: 10/26/2011 48
1300504-NC1 - ATS	VAS-Q11R_NEE01A14	NONA	BS22																											IM							100m downstream of an unnamed tributary VSCI: 10/26/2011 57
1300504-NC2 - ATS	VAS-Q11R_NEE01A14	NONA	BS22																											FS							200m below silos VSCI: 10/26/2011 60
1501923-SLB1 - ATS	VAS-Q08R_SLB01A14	NONA	BS15																											IM							100m upstream of a confluence with an unnamed tributary VSCI: 10/18/2011 54
1501923-SLB2 - ATS	VAS-Q08R_SLB01A14	NONA	BS15																											IM							100m downstream of confluence with unnamed tributary VSCI: 10/18/2011 49
1601787-CC3 - ATS	VAS-Q08R_CNW02A14	NONA	BS15																											IM							100m upstream of confluence with Caney Fork VSCI: 10/24/2011 43
1601787-CC4 - ATS	VAS-Q08R_CNW01A08	NONA	BS15																											IM							100m downstream of confluence with Dry Hollow VSCI: 10/24/2011 35
1601787-CF1 - ATS	VAS-Q08R_CNW02A14	NONA	BS15																											IM							below pond and adjacent to road VSCI: 10/24/2011 34
1601787-CF2 - ATS	VAS-Q08R_CNW02A14	NONA	BS15																											IM							adjacent to old access road VSCI: 10/31/2011 42
1601788-BB1 - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							adjacent to house at reclaimed mine dump (on topo) VSCI: 10/17/2011 48

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
1601788-BB2 - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							50m upstream of confluence with Bull Creek VSCI: 10/17/2011 35
1601788-BC3 - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							50m upstream of confluence with Belcher Branch VSCI: 10/17/2011 39
1601788-BC4 - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							100m upstream of confluence with Convict Hollow VSCI: 10/24/2011 39
1601788-BC5 - ATS	VAS-Q08R_BLC01A98	NONA	BS14																											IM							50m downstream of confluence with Big Branch VSCI: 10/17/2011 34
1601816-HC1 - ATS	VAS-Q08R_HME01B14	NONA	BS14																											IM							50m downstream of Mule Hollow confluence VSCI: 10/24/2011 45
316.24-UTCC1 - ATS	VAS-P17R_XHO01A14	NONA	TP03																											IM							upstream of Dorchester Mine VSCI: 8/22/2011 55 & 6/01/2011 58
360.39-CC1 - ATS	VAS-P17R_CAL01C14	NONA	TP03																											J							above B portal deep mine VSCI: 8/22/2011 48 & 2/16/2011 69
360.39-CC2 - ATS	VAS-P17R_CAL01B04	NONA	TP03																											IM							adjacent to electrical substation VSCI: 8/22/2011 46 & 2/16/2011 44
360.39-WF1 - ATS	VAS-P17R_CLA01A14	NONA	TP03																											IM							25m above permit boundary VSCI: 2/16/2011 45 & 8/22/2011 58
532.23-CC1 - ATS	VAS-P17R_CAL01C14	NONA	TP03																											IM							1/4 mile north of Stonega, VSCI: 10/04/2011 54
569.04-SW1 - ATS	VAS-P17R_MIK02A14	NONA	TP03																											FS							0.5 mile upstream of Roda, VSCI: 12/07/2011 61
569.04-SW7 - ATS	VAS-P17R_MIK01A06	NONA	TP03																											IM							1/4 mile downstream of Roda, Virginia VSCI: 12/07/2011 46
68.39-PF1 - ATS	VAS-P17R_POT01A14	NONA	TP01																											IM							adjacent to railroad track VSCI: 10/04/2011 41
68.39-WF1 - ATS	VAS-P17R_WHT01A14	NONA	TP01																											FS							200m above pond VSCI: 10/04/2011 65
69.39-PF2 - ATS	VAS-P17R_POT01A14	NONA	TP01																											IM							adjacent to garage VSCI: 10/04/2011 30
6AABR000.71	VAS-Q09R_ABR01A10	B,CR	BS18	0	2	S	0	2	S	0	2	S																		FS							Rt 80, West of Bee VSCI: 09/30/2010 71.55 05/12/2010 72.25
6AABR-AB-1-SOS	VAS-Q09R_ABR01A10	CMON	BS18																											HP							Abner Branch is a small tributary to the Russell Fork River. It's located at Bee, Virginia. For the most part it runs parallel with state route 80 05/24/2008: Lev II-Unacceptable
6ABAI000.85	VAS-Q12R_BAI01A08	TM	BS27	0	12	S	0	12	S	0	12	S	1	12	S																						Walk Bridge. off Rt. 609 off 460 G&M Building
6ABEP000.08	VAS-Q13R_BEP01A06	B,CR	BS30	0	1	IN	0	1	IN	0	1	IN																		J							VSCI: 09/30/2010 59.32
6ABFF000.02	VAS-Q11R_BFF01A08	TM	BS25	0	12	S	0	12	S	0	12	S	5	12	IM																						
6ABFF-BC2-MRRP	VAS-Q11R_BFF01A08	CMON	BS25										8	10	IM																						Southbound side of Highway 63 bridge. Originally Lower BC2.
6ABFF-BC-MRRP	VAS-Q11R_BFF01A08	CMON	BS25	0	33	S	0	2	S	0	2	S	23	43	IM																						Across from Buffalo Creek Road (SR 681), Additional Level II: EC 2/1 viol 3C
6ABFF-UpperBC-MRRP	VAS-Q11R_BFF01A08	CMON	BS25	0	34	S	0	1	IN	0	1	IN	19	51	IM																						Left side of Y in the road, Additional Level II EC 3/0 viol 3D
6A-BIGBR-NF-MRRP	VAS-Q13R_BID01A14	CMON	BS28										2	5	IM																						First open field on left
6A-BIGBR-SF-MRRP	VAS-Q13R_PNS01A94	CMON	BS28										1	5	IN																						100 feet upstream of Drulu Road bridge. Original ID RM-1.
6ABIP000.65	VAS-Q06R_BIP01A98	A	BS12	0	25	S	0	22	S	0	25	S	1	18	S								0	S													RT 627 Bridge #6047
6ABL05-FORF	VAS-Q12R_BAI01A08	CMON	BS27		17	IN								18	IN/O																						At bridge 100 yards downstream of Appalachian Metal, Additional Level II tm 17/0 viol 3D EC 18/3 viol 3C
6ABL10-FORF	VAS-Q12R_BAI01A08	CMON	BS27		16	IN								16	IN/O																						At first bridge on Route 611 coming from Highway 80, Additional Level II tm 16/0 viol 3D EC 16/4 viol 3C
6ABL15-FORF	VAS-Q12R_BAI01A08	CMON	BS27		17	IN								18	IN/O																						At fire hydrant at number 1099, Additional Level II TM 17/0 viol 3D EC 18/5 viol 3C
6ABL20-FORF	VAS-Q12R_BAI01A08	CMON	BS27		17	IN								18	IN/O																						At mouth to Russell Fork River at railroad bridge, Additional Level II tm 17/0 viol 3D EC 18/2 viol 3C
6ABLC000.85	VAS-Q08R_BLC01A98	A	BS14	0	19	S	0	16	S	0	19	S	5	18	IM								0	S														Walk Bridge. off Rt. 609 off 460 G&M Building
6ABLC002.30	VAS-Q08R_BLC01A98	FPM,B	BS14	0	4	S	0	3	S	0	4	S	1	1	IN				0	S	0	S			0	S					IM							VSCI: 04/27/2011 44.09 11/08/2010 33.26
6ABLD000.90	VAS-Q14R_BLD01A10	B,TM	BS32	0	3	S	0	3	S	0	3	S																			IM							SE of Hibbits Gap nr Wise/Dick. Co. line VSCI: 10/27/09 62.44 03/31/09 45.82 11/05/08 57.26
6ABSB-MRRP	VAS-Q11R_BSB01A10	CMON	BS25	0	25	S	0	1	IN	0	1	IN	4	24	IM																						Small creek along Smith Ridge Road, approximately 1/4 mile from Railroad tracks, Additional Level II EC 2/1 viol 3C

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6ACB03-FORF	VAS-Q12R_CBC01A12	CMON	BS35		17	IN								18	IO																							At 6000 Breaks Park Road, Additional Level II tm 17/0 viol 3D EC 18/6 viol 3C
6ACB05-FORF	VAS-Q12R_CBC01A12	CMON	BS35		13	IN								13	IO																							At crossing with Garden Hole access road, Additional Level II tm 13/0 viol 3D EC 13/4 viol 3C
6ACEY000.05	VAS-Q11R_CEY01A04	A	BS24	0	11	S	0	10	S	0	11	S	1	11	S																							Ford off Rt 773 of Rt 63 under RR.
6ACF08-FORF	VAS-Q12R_GSS01A12	CMON	BS35		18	IN								18	IO																							At bridge about 300 yards upstream of Highway 80, Additional Level II 14/18 e.coli 0/18 temp
6ACF10-FORF	VAS-Q12R_GSS01A12	CMON	BS35		18	IN								18	IO																							Below Highway 80 bridge, Additional Level II tm 18/0 viol 3D EC 18/11 viol 3C
6ACNR003.00	VAS-Q13L_PNK01A02	C	BS28																										1	IM								Cranesnest River near Fishtrap Branch
6ACNR009.17	VAS-Q14R_CNR02A02	A,TM,TR	BS33	0	33	S	0	33	S	0	33	S	8	33	IM						0	S																Low Water Bridge. @ Cranesnest Campground
6ACNR017.24	VAS-Q14R_CNR01A00	FPM,B,TM	BS33	0	4	S	0	4	S	0	4	S																			IM							Off Rt 637 VSCI: 11/14/2012 59.44 05/10/2012 56.47 10/28/2009 59.20 03/23/2009 42.62
6ACNR018.89	VAS-Q14R_CNR01A00	FPM,B	BS33	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							IM							NWBD=BS33; Class IV VSCI: 10/21/08 53.91 03/19/08 41.97
6ACNR021.72	VAS-Q14R_CNR01A00	A	BS33	0	11	S	0	11	S	0	11	S	3	11	IM																							Class IV, bridge #6031 on SR 634 off Rt 72
6ACNR2-MRRP	VAS-Q14R_CNR02A02	CMON	BS33	0	8	S							6	22	IM																							600 feet from off of Route 83 on SR 649, next to gravel pull off
6ACNT000.31	VAS-Q04R_CNT01A10	A	BS09	0	12	S	0	9	S	0	11	S	0	12	S						0	S																Off 460 on SR 680 @ tank storage site
6ADIS001.24	VAS-Q05R_DIS01A00	TM	BS11	5	24	IM	0	22	S	0	24	S	2	18	IM																							Bridge #6274 on SR 666 off SR 638
6ADIS003.52	VAS-Q05R_DIS01A00	B,TM	BS11	0	2	S	0	2	S	0	2	S																			FS							Off SR 638 VSCI: 11/01/2011 80.36 04/27/2011 70.70
6ADIS010.02	VAS-Q05R_DIS01A00	C,TM	BS11	0	1	IN	0	1	IN	0	1	IN															0	S	0	S								Off SR 638 VSCI 11/01/11 79
6ADIS013.73	VAS-Q05R_DIS01A00	FPM,B,TM	BS11	0	2	S	0	2	S	0	2	S																			J							@ Pilgrims Knob VSCI: 11/06/2008 63.35 05/06/2008 57.18
6ADIS014.33	VAS-Q05R_DIS01B02	A	BS11	0	11	S	0	11	S	0	11	S	2	11	IM																							Bridge #6165 on SR 628 off SR 638 VSCI 11/01/11 79
6ADOT000.46	VAS-Q14R_DOT01A12	FPM	BS32	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S															VSCI: 04/26/2010 53.73 10/28/2010 54.65
6ADRK035.86	VAS-Q01R_DRK01A98	A	BS02	0	12	S	0	9	S	0	11	S	1	12	S						0	S																SR 637 bridge @ SR. 643 intersection
6AFOX001.69	VAS-Q09R_FOX01A06	FPM,B	BS18	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							J							SR 619 off SR 605 off 80 near Cannady VSCI: 08/30/2011 67.45 05/23/2011 58.45
6AFRY000.95	VAS-Q10R_FRY01A04	A	BS19	0	12	S	0	11	S	0	12	S	1	12	S						0	S																Class V
6AFRY006.70	VAS-Q10R_FRY02A04	FPM,B	BS19	0	4	S	0	4	S	0	4	S	0	2	S				0	S	0	S	0	S							IM							formerly 6AHRD000.01 VAW05547-243, Class V VSCI: 11/02/2010 36.48 05/12/2010 44.27 10/01/2009 39.95 05/19/2009 35.87
6AFRY-FP-MRRP	VAS-Q10R_FRY01A04	CMON	BS19	0	10	S							2	21	S																							Off SR 671 (off Rt 80), at bridge #6060. Formally known as site FPC
6AGAR000.16	VAS-Q04R_GAR01A98	TM	BS08	0	3	S	0	1	IN	0	3	S																										SR 669 bridge off SR 624 @ Appalachian School of Pharmacy
6AGAR001.78	VAS-Q04R_GAR01A98	C	BS08																								0	S	0	S								Garden Creek near Garden Creek Mission
6AGIE000.04	VAS-Q03R_GIE01A04	A	BS05	0	12	S	0	9	S	0	12	S	4	12	IM						0	S																Off SR 624 VSCI: 09/24/2012 68 05/15/2012 58
6AGOO000.09	VAS-Q04R_GOO01A10	A	BS09	0	11	S	0	9	S	0	10	S	0	11	S						0	S																Off 460, Bob Casey Rd. pvt bridge
6AGRCR-MRRP	VAS-Q12R_GSS01A12	CMON	BS35										1	5	IN																							Hwy 80, next to Gateway Hotel, Breaks

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6AGRF000.56	VAS-Q04R_GRF01A02	B,TM,SS	BS08	0	2	S				0	2	S																			J							Off SR 632 bridge across from Bapt. Ch. 09/24/2012 68 05/15/2012 58
6AGRF002.36	VAS-Q04R_GRF01A02	FPM,B	BS08	0	2	S	0	2	S	0	2	S	1	1	IN				0	S	0	S									J							Off SR 624 VSCI: 09/24/2012 68.07 05/15/2012 47.92
6AGRF004.97	VAS-Q04R_GRF01A02	A,B,TM	BS08	0	2	S	0	2	S	0	2	S																			J							Pvt Bridge on Trivett off Rt 632 basket ball ct VSCI: 09/21/2010 52.02 04/06/2010 52.29
6AHAT-AR-HC-MRRP	VAS-Q11R_HAT01A08	CMON	BS23	0	2	S	0	1	IN	0	1	IN		2	IN																							At junction with Ally Road and Rt 63, Additional Level II EC 2/0 viol 3D
6AHH01-FORF	VAS-Q12R_XGN01A12	CMON	BS35		16	IN								16	IN																							20 yards upstream of fire hydrant, Additional Level II tm 16/0 viol 3D EC 16/0 viol 3D
6AHH05-FORF	VAS-Q12R_XGN01A12	CMON	BS35		18	IN								18	IN/O																							At 2007 Happy Hollow Road, Additional Level II tm 18/0 viol 3D EC 18/7 viol 3C
6AHH10-FORF	VAS-Q12R_XGN01A12	CMON	BS35		17	IN								17	IN/O																							Mouth of creek upstream of Crow Pass Road, Additional Level II tm 17/0 viol 3D EC 17/5 viol 3C
6AHME000.42	VAS-Q08R_HME01A04	A,TM	BS14	0	13	S	0	11	S	0	13	S	2	12	IM						0	S																	Bridge. @ AEP substation on SR 650 off 700
6AHME002.16	VAS-Q08R_HME01A04	FPM,B,TM	BS14	0	4	S	0	3	S	0	4	S																			IM							Near Thomas Off SR. 650 VSCI: 09/25/2007 59.36 05/24/2007 38.67
6AHRC000.05	VAS-Q09R_HUR01A02	A	BS16	0	11	S	0	11	S	0	11	S	4	11	IM						0	S																	Rt 80 culvert in Davenport
6AHU02-FORF	VAS-Q12R_HUB01A12	CMON	BS35		16	IN								16	IN																							At SR 609 bridge near Colley Cemetery, Additional Level II tm 16/0 viol 3D EC 16/1 viol 3D
6AHU05-FORF	VAS-Q12R_HUB01A12	CMON	BS35		18	IN								18	IN/O																							Behind second residence upstream from Breaks post office, Additional Level II tm 18/0 viol 3D EC 18/4 viol 3C
6AHU07-FORF	VAS-Q12R_HUB01A12	CMON	BS35		16	IN								16	IN/O																							Bridge at intersection of Colley and Happy Hollow roads, Additional Level II tm 16/0 viol 3D EC 16/4 viol 3C
6AHU10-FORF	VAS-Q12R_HUB01B12	CMON	BS35		15	IN								15	IN/O																							Downstream from the Breaks Motel by Highway 80 bridge, Additional Level II tm 15/0 viol 3D EC 15/3 viol 3C
6AHUR-MRRP	VAS-Q09R_HUR01A02	CMON	BS16	0	1	IN							1	1	IN																							Off route 80, culvert in Davenport
6AIAC000.42	VAS-Q13R_IAC01A10	B,CR	BS29	0	2	S	0	2	S	0	2	S																			IM							South of Pound VSCI: 10/04/2010 34.01 04/26/2010 32.55
6AIAC-IndianCreek-SOS	VAS-Q13R_IAC01A10	CMON	BS29																												HP							100 feet downstream of Brocks Collision on Rt 23. Spring 2007: Lev II-Unacceptable
6AIND000.52	VAS-Q09R_IND01A10	A,B,SS	BS17	0	15	S	0	14	S	0	15	S	4	12	IM						0	S									J							Off Rt 80, SR 602 bridge #6905 VSCI: 09/30/2010 51.23 05/12/2010 66.13 09/22/2008 57.82
6AIND-MRRP	VAS-Q09R_IND01A10	CMON	BS17	0	3	S							0	3	S																							Off SR 602 (off Route 80) at bridge # 6905
6AJBF010.88	VAS-Q01R_JBF01A10	A	BS01	0	12	S	0	9	S	0	11	S	6	12	IM						0	S																	Rt 16 Bridge #1011 @ WV line
6AKOX006.52	VAS-Q03R_KOX02A98	A,TR	BS07	0	29	S	0	26	S	0	29	S	8	29	IM						0	S																	SR 711 bridge off SR 697 below KY line
6AKOX008.11	VAS-Q03R_KOX02A98	C	BS07																										0	S	5	IM						At KY line One fish sample exceeded VDH level of concern, two exceeded VDH screening value, two exceeded DEQ screening value.
6AKOX011.67	VAS-Q03R_KOX02A98	B,TM	BS05	0	2	S	0	2	S	0	2	S																			J							Off SR 643 below Bee Branch VSCI: 09/21/10 69.56 04/08/10 40.98
6AKOX014.17	VAS-Q03R_KOX02A98	A	BS05	0	12	S	0	9	S	0	12	S	4	12	IM						0	S																	Off SR 643
6AKOX017.71	VAS-Q03R_KOX02A98	A	BS05	0	12	S	0	9	S	0	12	S	3	12	IM						0	S																	Hurley High School bridge off SR 643
6AKOX019.30	VAS-Q03R_KOX02A98	C	BS04																										1	O	3	IM						Knox Creek downstream Long Bottom Branch Three samples exceeded both DEQ and VDH screening values for Total PCBs. One exceeded the DEQ screening value for Hg.
6ALAF001.03	VAS-Q10R_LAF01A06	A	BS20	0	12	S	0	11	S	0	12	S	1	12	S						0	S																	At ford off SR 670 (off Route 80)

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6ALAF-LCDEQ-MRRP	VAS-Q10R_LAF01A06	CMON	BS20	0	3	S							1	3	IN																						At ford off SR 670 (off Route 80)
6ALAF-MRRP	VAS-Q10R_LAF01A06	CMON	BS20	0	7	S							0	11	S																						Off Hurricane Br (SR 745), at first low water bridge
6ALEV130.00	VAS-Q08R_LEV01A00	C	BS15																								0	S	8	IM							At state line Four samples exceeded the VDH level of concern, an additional four samples exceeded the VDH screening value.
6ALEV130.29	VAS-Q08R_LEV01A00	B,TM	BS15	0	2	S	0	2	S	0	2	S																			IM						Downstream of gage 03207800 VSCI: 09/25/2007 54.31 05/24/2007 38.28
6ALEV131.52	VAS-Q08R_LEV01A00	A,TR	BS15	0	47	S	0	44	S	0	47	S	6	36	IM				0	S	0	S	0	S														Downstream of gage 03207800 @ Wellmore Coal Dock #14 off Rt 460
6ALEV138.19	VAS-Q08R_LEV03A02	FPM,B	BS14	0	4	S	0	4	S	0	4	S	0	1	IN				0	S	0	S	0	S							J						upstream Poplar Ck confluence @ Harman Junction VSCI: 09/21/2010 63.40 04/21/2010 53.14 10/03/2007 66.20 03/28/2007 38.62
6ALEV140.64	VAS-Q06R_LEV01A98	TM	BS14	0	2	S	0	2	S	0	2	S																									Downstream of Gundy
6ALEV143.80	VAS-Q06R_LEV01A98	A,B	BS12	0	18	S	0	15	S	0	18	S	4	10	IM				0	S	0	S	0	S							IM						Off U.S. 460 @ Grundy; upstream Slate Creek VSCI: 09/25/2007 50.61 05/30/2007 56.11
6ALEV143.86	VAS-Q06R_LEV01A98	TM	BS12	0	1	IN	0	1	IN	0	1	IN																									Bridge on Railroad Ave. off Rt 83
6ALEV148.79	VAS-Q06R_LEV01A98	TM	BS12				0	1	IN																												@ Deel
6ALEV151.25	VAS-Q06R_LEV01A98	C,TM	BS12																								0	S	2	IM							Downstream of Dismal confluence One composite catfish sample exceeded the VDH screening value.
6ALEV152.46	VAS-Q04R_LEV01A94	A,B,TM	BS09	0	20	S	0	16	S	0	20	S	1	7	IN				0	S	0	S	0	S							IM						Near Janey VSCI: 09/25/2007 57.19 05/30/2007 41.13
6ALEV156.82	VAS-Q04R_LEV01A94	TM	BS09	0	14	S	0	10	S	0	14	S	6	10	IM						0	S															@ Garden Elem School
6ALEV158.93	VAS-Q04R_LEV01B02	FPM,B	BS09	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							J						Upstream of Big Skeggs Hollow VSCI: 10/25/2010 72.56 04/21/2010 58.11
6ALEV161.43	VAS-Q04R_LEV01A94	TM	BS09	0	2	S	0	2	S	0	2	S																									On Cloverhill Road
6ALL05-FORF	VAS-Q12R_LEH01A12	CMON	BS27		18	IN								18	IN/O																						10 yards upstream of gas pipeline, Additional Level II tm 18/0 viol 3D EC 18/3 viol 3C
6ALLF002.19	VAS-Q10R_LLF01A06	FPM,B,TM	BS20	0	2	S	0	2	S	0	2	S																			FS						South of Nancy VSCI: 10/28/2009 71.97 03/23/2009 65.60
6ALOC000.03	VAS-Q08R_LOC01A08	A,TM	BS14	0	1	IN	0	1	IN	0	1	IN																									Culvert #1060 @ intersection of 460 & SR 656
6APNK001.10	VAS-Q13R_PNK01A96	A,TM	BS28	2	5	IM	0	3	S	0	5	S									0	S															6
6APNK001.26	VAS-Q13L_PNK01A02	L	BS28	0	79	S	21	67	IM	0	79	S	0	7	S						0	S										0	7	S				North Fork Pound Reservoir Sta#2 N ARM
6APNK001.87	VAS-Q13L_PNK01A02	L	BS28	0	89	S	15	77	IM	0	89	S	0	7	S						0	S										0	7	S				North Fork Pound Reservoir @ dam
6APNK002.08	VAS-Q13L_PNK01A02	L	BS28	0	73	S	14	62	IM	0	73	S	1	7	IN						0	S										0	7	S				North Fork Pound Reservoir - STA#3 S ARM
6APNR001.49	VAS-Q13R_PNR02C02	A	BS34	0	11	S	0	11	S	0	11	S	0	11	S																						Below Flannagan Dam @gage off SR 739
6APNR001.82	VAS-Q13L_PNR01A02	L	BS34	0	706	S	202	639	IM	29	706	S	0	21	S						0	S										0	21	S				At Flannagan Dam @gage off SR 739 Continuously monitored by USACOE
6APNR002.15	VAS-Q13L_PNR01A02	C	BS34																								2	IM	0	S							Below Flannagan Dam @gage off SR 739 Hg exceeded the VDH level on concern and the DEQ screening value.
6APNR017.79	VAS-Q13R_PNR02B02	A	BS30	0	11	IM	0	11	S	0	11	S	1	11	S																						Bridge #6139 on SR 631 off SR 83
6APNR023.86	VAS-Q13R_PNR01A00	A,B	BS30	0	13	S	0	13	S	0	13	S	2	11	IM						0	S									IM						SR 624 Bridge in Norland VSCI: 11/05/2008 57.99 06/02/2008 51.05
6APNR028.76	VAS-Q13R_PNR01A00	A	BS30	0	10	S	0	10	S	0	10	S	3	10	IM																						SR 666 low water bridge off SR 630
6APNR035.66	VAS-Q13R_PNR01A00	A	BS29	0	11	S	0	11	S	0	11	S	2	11	IM																						Bridge #1001 on Rt 23 Bus off Rt 83
6APNS003.38	VAS-Q13R_PNS02B04	TM	BS28	0	19	S	0	16	S	0	19	S	3	12	IM						0	S															SR 679
6APNS008.73	VAS-Q13R_PNS02B04	FPM,B,SS	BS28	0	3	S	0	3	S	0	3	S	0	1	IN				0	S	0	S	1	O							IM						SR 627 below mining operation VSCI: 10/22/2008 21.01 03/18/2008 21.44 One water column sample exceeded chronic value for Selenium, Acute value was not exceeded. Arsenic was present in sediment.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6APNS-RM-CH-MRRP	VAS-Q13R_PNS01A94	CMON	BS28										4	5	IM																							Frist bridge on Glady Fork Road after turning off South Fork Road
6APPW000.03	VAS-Q03R_PPW01A94	A	BS06	0	12	S	0	9	S	0	12	S	5	12	IM						0	S																SR 697 bridge #6297 off SR 643 near Kelsea
6ARCA000.11	VAS-Q08R_RCK01A12	TM,B	BS15	0	1	IN	0	1	IN	0	1	IN																			FS							Rocklick Creek @ Big Rock VSCI: 05/10/12 66
6ARLF000.06	VAS-Q14R_RLF01A14	FPM,B	BS33	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	S	0	S									IM							West of Bise Ridge Off SR 649 VSCI: 05/10/2012 52.43
6AROR-RF-MRRP	VAS-Q11R_ROR01A14	CMON	BS23	0	9	S							4	18	IM																							10 feet from confluence with the McClure River, Additional Level II 0/3 e.coli
6ARP90-FORF	VAS-Q12R_RPC01A96	CMON	BS26		15	IN								16	IN/O																							30 yards downstream of Exxon station, Additional Level II Temp 15/0 viol 3D EC 16/4 viol 3C
6ARP99-FORF	VAS-Q12R_RPC01A96	CMON	BS26		17	IN								18	IN/O																							At mouth to Russell Fork River on Highway 80/83 bridge, Additional Level II tm 17/0 viol 3D EC 18/5 viol 3C
6ARPC000.40	VAS-Q12R_RPC01A96	A	BS26	0	12	S	0	12	S	0	12	S	7	12	IM																							Bridge on Covenant Way off Rt. 80
6ARPC000.52	VAS-Q12R_RPC01A96	TM,B	BS26	0	2	S	0	1	IN	0	2	S																			IM							Rt 767 off Rt 80/83 VSCI: 09/30/2010 54.85 05/26/2010 44.47
6ARPC-PRCR-MRRP	VAS-Q12R_RPC01A96	CMON	BS26	0	16	S							11	31	IM																							Behind the Haysi Funeral Home. Formally known as site RP-Funeral
6ARSS014.15	VAS-Q12R_RSS02A04	A	BS35	0	34	S	0	33	S	0	34	S	3	34	S						0	S																Pool Point off Rt 80
6ARSS-01-SOS	VAS-Q10R_RSS02A00	CMON	BS21																												MP							riffle in front of Haysi High Fall 2008: Lev II-Gray Zone
6ARSS024.30	VAS-Q12R_RSS03A02	A,TR	BS27	0	35	S	0	33	S	0	35	S	6	35	IM						0	S																near Haysi on SR 613 Bridge #6003
6ARSS025.50	VAS-Q12R_RSS03A02	C	BS27																								0	S	0	S							SR 722 bridge # 6149 off Rt 80
6ARSS026.98	VAS-Q10R_RSS02A00	A	BS21	0	12	S	0	11	S	0	12	S	0	12	S						0	S																SR 722 bridge # 6149 off Rt 80
6ARSS034.53	VAS-Q09R_RSS01A00	A	BS18	0	12	S	0	12	S	0	12	S	2	12	IM						0	S																SR 605 bridge South of Cannady
6ARSS041.08	VAS-Q09R_RSS02A00	A	BS16	0	12	S	0	12	S	0	12	S	4	12	IM						0	S																Bridge 4244 off Rt 80 downstream of Davenport
6ARSS047.10	VAS-Q09R_RSS02A00	A,TR	BS16	0	35	S	0	35	S	0	35	S	8	35	IM						0	S																@ Council SR 1030 @ WPH Recreation Center
6ARSS-4244-MRRP	VAS-Q09R_RSS02A00	CMON	BS16	0	2	S							0	2	S																							Bridge #4244, off Rt 80, downstream of Davenport
6ARSS50-FORF	VAS-Q10R_RSS02A00	CMON	BS21		18	IN								19	IN																							10 yards upstream of sewer manhole, Additional Level II temp 18/0 viol 3D EC 19/1 viol 3D
6ARSS-CHS-OC-MRRP	VAS-Q09R_RSS02A00	CMON	BS16	0	1	IN							0	1	IN																							At Council High School, at outdoor classroom
6ARSS-CHS-TC-MRRP	VAS-Q09R_RSS02A00	CMON	BS16	0	7	S							0	8	S																							At Council High School, behind Tennis Courts
6ARSS-HHS-MRRP	VAS-Q10R_RSS02A00	CMON	BS21	0	9	S							1	12	S																							Behind Haysi High School
6ARSS-RT605-MRRP	VAS-Q09R_RSS01A00	CMON	BS18	0	3	S							2	3	IM																							Off SR 605 bridge near Cannady
6ARSS-RT722-MRRP	VAS-Q10R_RSS02A00	CMON	BS21	0	3	S							2	3	IM																							Off SR 722 (off route 80) at bridge # 6149
6ARSS-SD-MRRP	VAS-Q12R_RSS03A02	CMON	BS27	0	7	S							1	11	S																							At Splash Dam Church
6ARSS-WBH-MRRP	VAS-Q09R_RSS02A00	CMON	BS16	0	2	S							2	2	IM																							At William B. Harris Park in Council
6ASAT000.26	VAS-Q07R_SAT01A00	A,B,TM	BS13	0	32	S	0	29	S	0	32	S	5	19	IM				0	S	0	S	0	S							IM							Walk Bridge. # 9000 across from Law School VSCI: 06/05/2008 36.70 09/26/2007 59.87 05/30/2007 53.10
6ASAT003.60	VAS-Q07R_SAT01A00	FPM,B	BS13	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							IM							North of Grundy High School VSCI: 04/22/2010 52.36
6ASAT004.56	VAS-Q07R_SAT01A00	C	BS13																								0	S	0	S							Slate Creek near Buchanan County Vocational Center
6ASAT007.71	VAS-Q07R_SAT01A00	B,TM	BS13	0	5	S	0	5	S	0	5	S																			J							Off Rt 83 above White Oak Branch VSCI: 09/21/2010 71.80 04/08/2010 34.30 09/26/2007 64.38 05/30/2007 49.39
6ASPK-EHS-RC1-MRRP	VAS-Q11R_SPK01A08	CMON	BS22	0	9	S							0	12	S																							In front of Ervinton High School, across from practice field
6ASPK-EHS-RC2-MRRP	VAS-Q11R_SPK01A08	CMON	BS22	0	8	S							1	17	S																							At Ervinton High School, upstream of road bridge entering parking lot
6ASPK-EHS-RC3-MRRP	VAS-Q11R_SPK01A08	CMON	BS22	0	18	S							0	29	S																							At Ervinton High School, downstream of school, near rail road tracks. Formally known as site EHS-RC3, Additional Level II: Temp 3/0 viol 3D
6ASPK-SF-DH-MRRP	VAS-Q11R_SPK01A08	CMON	BS22	0	2	S							0	1	IN																							At drainage pipe at Ervinton High School, Additional Level II: EC 1/0 viol 3D
6ASTI000.09	VAS-Q08R_STI01A12	A,TM	BS14	0	1	IN	0	1	IN	0	1	IN																										Webb Branch @ Janey
6AWBB000.01	VAS-Q04R_WBB01A12	A,TM	BS09	0	1	IN	0	1	IN	0	1	IN																										Stiltner Creek @ Riverview Elem.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6AWTK000.10	VAS-Q06R_WTK01A12	A,TM	BS12	0	1	IN	0	1	IN	0	1	IN																										Watkins Branch near Grundy
6BAMO001.52	VAS-P14R_AMO01A02	B,SS	TC29	0	2	S	0	2	S	0	2	S											0	S							FS							N of Bush Mill, W of Nickelsville VSCI: 06/04/2009 64.78 10/01/2008 66.58
6BBAR000.97	VAS-P12R_BAR01A02	B,TM	TC24	0	2	S	0	2	S	2	2	IM																			IM							Off SR 704 VSCI: 04/22/2008 54.90
6BBCD001.84	VAS-P06R_BCD01A98	A,B	TP13	0	2	S	0	2	S	0	2	S																			W							SR 721: reference station as yet unsampled.
6BBCD001.89	VAS-P06R_BCD01A98	A	TP13	0	12	S	0	12	S	0	12	S	4	12	IM																							Swinging bridge off SR 721 off SR 640
6BBCD002.01	VAS-P06R_BCD01A98	FPM,B	TP13																												J							Off SR 721 VSCI: 11/19/2012 60.91 06/06/2012 54.14
6BBCD006.66	VAS-P06R_BCD02A00	A	TP13	0	12	S	0	12	S	0	12	S	5	12	IM																							Swinging bridge on Cliffside Dr. off 19b
6BBCD009.83	VAS-P06R_BCD03A00	A	TP13	0	12	S	0	12	S	0	12	S	9	12	IM																							Bridge #6266 on SR 727 off SR 658
6BBCE001.05	VAS-P16R_BCE01A00	A	TC34	0	12	S	0	12	S	0	12	S	0	12	S																							SR 600 bridge
6BBER001.14	VAS-P11R_BER01A98	A	TC20	0	23	S	0	23	S	0	23	S	7	23	IM																							Off SR 681 below Town of Wise STP
6BBEV000.17	VAS-P18R_BEV01A10	A	TP05	0	2	S	0	2	S	0	2	S	1	2	IN							0	S															Bridge. # 6188 on SR 612 off SR 613 @ VDOT
6BBIG000.12	VAS-P03R_BIG01A10	A,C	TC04	0	23	S	0	23	S	0	22	S	8	23	IM							0	S					0	S									Allegany St bridge off Rt 67 in Richlands
6BBIG000.99	VAS-P03R_BIG01A10	B,SS	TC04	0	2	S	0	2	S	0	2	S											0	S							IM							Rt 67N, N of Richlands VSCI: 06/02/2009 42.64 09/29/2008 46.20
6BBKW005.82	VAS-P16R_BKW01A02	TM	TC34	0	12	S	0	12	S	0	12	S	5	12	IM																							Bridge on Rt. 70 @ TN line
6BBLC000.19	VAS-P04R_BLC01A10	B,SS	TC05	0	2	S	0	2	S	0	2	S											0	S							J							At Dye on SR 617 off Rt 67 VSCI: 06/02/2009 55.60 09/29/2008 69.56
6BBLC002.21	VAS-P04R_BLC01A10	FPM,B	TC05	0	2	S	0	2	S	0	2	S	0	2	S				0	S	0	S	0	S							FS							E of Robinson Ridge VSCI: 03/26/2008 62.07 05/01/2007 79.68
6BBLK000.13	VAS-P17R_BLK01A96	B,TM	TP02	0	5	S	0	5	S	0	5	S									0	S	0	S							IM							N of Blackwood VSCI: 11/05/2008 54.18 04/29/2008 48.22
6BBRE000.15	VAS-P07R_BRE01A10	B,SS	TC14	0	2	S	0	2	S	0	2	S											0	S							FS							VSCI: 06/03/2009 75.84 09/30/2008 84.32
6BBUC000.24	VAS-P11R_BUC01A02	A,B	TC21	0	5	S	0	5	S	0	5	S																			FS							Off Burns Creek Road @ Tacoma VSCI: 10/18/2011 71.60 05/19/2011 62.86
6BBUC-0-SOS	VAS-P11R_BUC01A02	CMON	TC21																												LP							On Burns Creek Road, where road crosses the creek. Fall 2008: Lev II-Acceptable
6BBUG000.10	VAS-P06R_BUG01A06	A	TP13	0	12	S	0	12	S	0	12	S	8	12	IM																							Bridge #6226 on SR 658 off Rt 19 bus
6BBUH000.76	VAS-P18R_BUH01A04	A,TM	TP05	0	18	S	0	16	S	0	18	S	2	9	IM							0	S															Bridge 6072 on SR 683/610 off SR 613
6BBUL000.06	VAS-P09R_BUL01A06	A	TC18	0	11	S	0	11	S	0	11	S	2	11	IM																							Bridge #6062 on SR 657 off Rt 58
6BBUL-Carfax-SOS	VAS-P09R_BUL01A06	CMON	TC18																												LP							Park at Carfax water treatment plant, then walk down to river. Walk downstream, past a creek, to a large riffle in the river. Fall 2008: Lev II-Acceptable
6BBUY000.01	VAS-P20R_BUY01A12	A	TP07	0	11	S	0	11	S	0	11	S	1	11	S																							SR 625 bridge #6023 nr Sigma Baptist Ch
6BCAL000.03	VAS-P17R_CAL01A98	A,B	TP03	0	14	S	0	11	S	0	14	S	1	12	S							0	S															On Rt 78 in Appalachia VSCI: 09/21/2011 46 10/04/2010 55.18 05/27/2010 48.81
6BCAL001.57	VAS-P17R_CAL01A98	TM	TP03	0	3	S	0	3	S	0	3	S											0	S														Callahan Cr. and Nickols Rd.
6BCAL003.19	VAS-P17R_CAL01B04	B,SS	TP03	0	15	S	0	13	S	0	15	S	9	14	IM							0	S															Rt. 78 Bridge # 1056, below Waterfall near Stonega VSCI: 09/21/2011 45.92
6BCAL004.01	VAS-P17R_CAL01B04	B,SS	TP03	0	2	S	0	2	S	0	2	S																			IM							Below Stonega straight pipe discharge across RR VSCI: 09/21/2011 33.57 11/15/2010 28.26
6BCAL004.30	VAS-P17R_CAL01B04	B,SS	TP03	0	1	IN	0	1	IN	0	1	IN																			IM							Bridge Upstream of Stonega, below trib. with high conductivity 09/21/2011 43.72

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6BCAL004.45	VAS-P17R_CAL01B04	B,SS	TP03	0	4	S	0	4	S	0	4	S	0	1	IN																IM							Upstream Stonega @ end state maintained VSCI: 09/21/2011 40.78 11/15/2010 49.48
6BCAL-CC3-SAMS	VAS-P17R_KEL01A14	CMON	TP03																0	S																		1000 feet upstream of Rt 78 Selenium 6.51 ug/l
6BCAL-CCSTN-SAMS	VAS-P17R_CAL01B04	CMON	TP03																0	S																		Where Park Place road curves to the left. Selenium 7.6 ug/l Selenium 6.61 ug/l
6BCAL-POND11A-SAMS	VAS-P17R_XHQ01A14	CMON	TP03																0	S																		Selenium 8 ug/l Selenium 7 ug/l
6BCAL-POND8A-SAMS	VAS-P17R_XHP01A14	CMON	TP03																0	S																		Selenium 14 ug/l Selenium 13 ug/l
6BCAL-SCC4-SAMS	VAS-P17R_CAL01B04	CMON	TP03																0	S																		500 feet upstream of confluence with Mud Lick Creek Selenium 6.61 ug/l
6BCAT002.35	VAS-P09R_CAT01A10	B,SS	TC18	0	2	S	0	2	S	0	2	S											0	S							FS							West of Banners Corner VSCI: 06/02/2009 69.78 09/30/2008 77.25
6BCAV000.02	VAS-P01R_CAV01A00	A	TC01	0	12	S	0	11	S	0	12	S	3	12	IM						0	S																Rt 16 bridge #1800 @ Riverside UMC
6BCAV000.05	VAS-P01R_CAV01A00	B,SS	TC01	0	2	S	0	2	S	0	2	S											1	O							J							Rt 16 at River Jack VSCI: 06/02/2009 55.69 09/29/2008 64.59 Monitoring data exceeded the Sediment Screening Value for Lead.
6BCAV002.88	VAS-P01L_CAV01A10	C,SS	TC01																								2	IM										Lake Witten One fish sample collected in 2007 exceeded the VDH level of concern; an additional sample exceeded the DEQ screening value.
6BCLN002-SOS	VAS-P09R_CLN02B08	CMON	TC22																												MP							@ River Farm off Rt 65 a few miles E of Dungannon Spring 2012: Lev II-Gray Zone Fall 2010: Lev II-Unacceptable Summer 2010: Lev II-Gray Zone Spring 2010: Lev II-Acceptable Fall 2009: Lev II-Acceptable
6BCLN189.33	VAS-P13R_CLN01A02	B	TC33	0	1	IN	0	1	IN	0	1	IN																			W							Kyles Ford, TN, unwadable
6BCLN202.07	VAS-P13R_CLN01A02	B,TM	TC33	0	15	S	0	15	S	0	15	S	3	12	IM																FS							upstream Shelby Creek @ TN line island VSCI: 06/02/2009 60.49 09/19/2007 65.01
6BCLN206.70	VAS-P13R_CLN01A02	A,TR	TC33	0	35	S	0	32	S	0	35	S	3	35	S						0	S																SR.627, downstream gage
6BCLN207.95	VAS-P13R_CLN01A02	FPM	TC33	0	1	IN	0	1	IN	0	1	IN	0	1	IN				0	S	0	S	0	S														Near Sloantown
6BCLN213.02	VAS-P13R_CLN02A02	TM	TC27	0	14	S	0	14	S	0	14	S	3	12	IM				0	S	0	S																Bridge St swinging bridge off Rt 65
6BCLN219.24	VAS-P13R_CLN02A02	B,SS	TC27	0	2	S	0	2	S	0	2	S											0	S							FS							at Craft Mill VSCI: 06/02/2009 63.78 10/01/2008 70.71
6BCLN225.94	VAS-P13R_CLN03A02	B,TM	TC27	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S																Southwest of Pendleton Island above Suck Branch VSCI: 10/17/2012 58.14
6BCLN227.25	VAS-P13R_CLN03A02	B,SS	TC27	0	6	S	0	6	S	0	6	S							0	S	0	S	0	S							IM							S. of Ft. Blackmore, upstream Pendleton Island VSCI: 10/27/2011 69.80 06/14/2011 55.34 06/02/2009 52.31 10/01/2008 62.42
6BCLN236.89	VAS-P09R_CLN01A00	SS	TC23	0	2	S	0	2	S	0	2	S							0	S	0	S																RT 65 bridge @ Dungannon
6BCLN237.09	VAS-P09R_CLN01A00	A	TC23	0	23	S	0	23	S	0	23	S	4	23	IM																							Boat ramp downstream Rt 65
6BCLN242.00	VAS-P09R_CLN02B08	A,TM	TC22	0	12	S	0	12	S	0	12	S	4	12	IM																							SR 608 off Rt 72, gravel road
6BCLN246.30	VAS-P09R_CLN01B00	A	TC18	0	12	S	0	12	S	0	12	S	3	12	IM				0	S	0	S																SR 657 at dead end at Carfax
6BCLN249.62	VAS-P09R_CLN01B00	A,SS	TC18	0	13	S	0	13	S	0	13	S	3	12	IM				0	S	0	S	0	S														SR 611@ Burtons Ford
6BCLN250.67	VAS-P09R_CLN01B00	FPM,B	TC18	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							Upstream of Burtons Ford, SR 611 VSCI: 10/16/2012 78.42 10/20/2010 73.00
6BCLN250.70	VAS-P09R_CLN01B00	TM,B	TC18	0	2	S	0	2	S	0	2	S							0	S	0	S									FS							East of Robinette Cemetery VSCI: 10/16/12 80
6BCLN264.07	VAS-P09R_CLN01C14	SS	TC16	0	2	S	0	2	S	0	2	S							0	S	0	S																SR 665 bridge, Carterton, VA
6BCLN264.27	VAS-P09R_CLN01C14	B,SS	TC16	0	24	S	0	24	S	0	24	S	5	23	IM				0	S	0	S	0	S							FS							1/2 mi below Eagle Nest Br nr Carterton VSCI: 09/30/2008 71.08

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6BCLN264.96	VAS-P09R_CLN01C14	C,SS	TC16																							1	O	0	S								SR 665 bridge, Carterton, VA One spotted bass composite sample collected on 7/23/2007 exceeded the DEQ screening value for Hg.
6BCLN265.10	VAS-P09R_CLN01C14	FPM,B	TC16	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							Nr RR Tunnel @ Tunnel Hill 11/27/2007 71.46
6BCLN271.50	VAS-P07R_CLN01A00	A,TR	TC14	0	50	S	0	47	S	0	49	S	13	48	IM				0	S	0	S																RT 82 bridge @ Cleveland
6BCLN273.19	VAS-P07R_CLN01A00	FPM,B	TC14	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S							FS							Upstream of Cleveland VSCI: 10/21/2010 73.01
6BCLN274.71	VAS-P07R_CLN01A00	SS	TC14	0	1	IN	0	1	IN	0	1	IN							0	S	0	S																Artrip State Route 661
6BCLN288.41	VAS-P04R_CLN01A00	SS	TC11	0	12	S	0	10	S	0	11	S	1	11	S						0	S																Bridge # 6096 on SR 652 off SR 645
6BCLN296.60	VAS-P04R_CLN02A02	B,SS	TC11	0	4	S	0	4	S	0	4	S											0	S							FS							Off Rt 80 at Blackford VSCI: 11/02/2011 77.15 06/13/2011 70.95 06/02/2009 68.53 09/30/2008 58.50
6BCLN315.11	VAS-P03R_CLN01A98	A,C	TC04	0	23	S	0	23	S	0	22	S	7	23	IM				3	IM	0	S					3	IM										SR 723 bridge below Richlands STP Three individual smallmouth bass exceeded the DEQ screening value for Hg.
6BCLN321.13	VAS-P03R_CLN02A00	A,TR	TC04	0	53	S	0	52	S	0	52	S	5	53	S				0	S	0	S																Off T707 Edgewater Dr RR Trestle
6BCLN324.38	VAS-P02R_CLN02B02	B,SS	TC02	0	2	S	0	1	IN	0	2	S											0	S							FS							Off Rt 460, right on bridge #1201 VSCI: 06/02/2009 73.24 09/29/2008 70.74
6BCLN335.61	VAS-P02R_CLN02A02	B,SS	TC02	0	2	S	0	2	S	0	2	S											0	S							J							Off SR 639, 510 Earl Branch Road VSCI: 06/02/2009 58.45 09/29/2008 72.45
6BCLN346.60	VAS-P01R_CLN01A98	A,B	TC01	0	12	S	0	11	S	0	12	S	7	12	IM						0	S									IM							Off Rt 16 Walking Bridge off Broadway St VSCI: 04/20/2010 52.05 03/24/2009 44.88
6BCLN346.80	VAS-P01R_CLN01A98	TM	TC01	0	2	S	0	2	S	0	2	S																										Off Rt. 16 off Broadway Street
6BCLN348.00	VAS-P01R_CLN01A98	A	TC01	0	12	S	0	11	S	0	12	S	5	12	IM						0	S																Off Rt 16 at Perry Repair Service Bridge
6BCLN348.31	VAS-P01R_CLN01A98	C	TC01																							0	S	0	S								Clinch River near Rt. 61 bridge at Tazewell
6BCOB000.18	VAS-P15R_COB01A10	B,SS	TC32	0	2	S	0	2	S	0	1	S											0	S							J							SR 600 west of Fairview VSCI: 06/02/2009 55.04 10/01/2008 71.95
6BCOC001.19	VAS-P09R_COC01A02	B,SS	TC22	0	6	S	0	6	S	0	6	S											0	S							FS							W. of Barb Hollow SR 685 VSCI: 10/27/2011 85.84 06/02/2011 71.62 06/03/2009 77.45 10/01/2008 83.00
6BCOL000.12	VAS-P03R_COL01A04	A	TC04	0	24	S	0	24	S	0	23	S	21	24	IM						0	S																SR 751 bridge #6130 in Raven
6BCOL001.93	VAS-P03R_COL01A04	B,TM	TC04	0	3	S	0	3	S	0	3	S							0	S											IM							Near Red Ash off Rt. 460 VSCI: 04/06/2010 47.33 03/24/2009 52.50
6BCOP002.00	VAS-P14R_COP01A02	C,TM	TC30	0	11	S	0	11	S	0	11	S	1	11	S											1	O	0	S								Bridge. # 6140 on SR 627 off 72
6BCOP002.68	VAS-P14R_COP01A02	TM,B	TC30	0	2	S	0	2	S	0	2	S																			FS							SR 627 ford (Jennings Ford) VSCI: 10/20/2011 76.88 06/11/2011 63.37
6BCOP007.56	VAS-P14R_COP01A02	B,TM	TC30	0	1	IN	0	1	IN	0	1	IN																			FS							E of Spivey Mill, Off SR 627 VSCI: 09/27/2012 72.23
6BCOP007.97	VAS-P14R_COP01A02	B,TM	TC30	0	1	IN	0	1	IN	0	1	IN																			FS							Downstream of Beecher Branch confluence, off SR 627 VSCI: 04/12/2012 60.45
6BCOP012.73	VAS-P14R_COP01B04	TM	TC30	0	12	S	0	12	S	0	12	S	1	12	S																							Bridge. # 6538 on SR 619 off 72
6BCOP023.91	VAS-P14R_COP02A02	TM	TC29	0	12	S	0	12	S	0	12	S	2	12	IM																							Bridge. # 6094 on SR 671 off 670 off 71
6BCOP032.73	VAS-P14R_COP02A02	TM	TC29	0	12	S	0	12	S	0	12	S	4	12	IM																							Low-water Bridge. On SR 670 off 71
6BCOP047.75	VAS-P14R_COP02B08	TM	TC28	0	12	S	0	12	S	0	12	S	5	12	IM																							Low water Pvt. Bridge. off SR 678 off 58
6BCOP052.77	VAS-P14R_COP03A02	TM	TC28	0	12	S	0	12	S	0	12	S	6	12	IM																							Pvt. Bridge. off SR 678 off SR 671 off 58
6BCOV001.68	VAS-P13R_COV01A02	TM	TC25	0	12	S	0	12	S	0	12	S	3	12	IM																							Bridge #6479 on SR 827 off SR 649 off 65
6BCOV004.26	VAS-P13R_COV01A02	TM	TC25	0	9	S	0	9	S	0	9	NA	3	9	IM																							SR 649 bridge #6065
6BCRA000.31	VAS-P11R_CRA01A98	SS	TC21	0	10	S	0	10	S	0	10	S	4	10	IM																							Off SR 725, off SR 661, on Boydton Rd.
6BCRC000.20	VAS-P11R_CRC01A02	TM,B,CR	TC19	0	17	S	0	17	S	0	17	S	1	12	S				0	S	0	S									J							Off SR 725, off SR 661, on Boydton Rd. VSCI: 04/26/2011 58.58

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6BCRC002.17	VAS-P11R_CRC01B10	TM,B	TC19	0	20	S	0	17	S	0	20	S	0	12	S						0	S									FS							South of Ramsey, unpaved road VSCI: 11/10/2010 86.52 06/02/2010 83.34
6BCRC-SOS	VAS-P11R_CRC01A02	CMON	TC19																											MP							Clear Creek Park Summer 2008: Lev II-Unacceptable
6BCUL001.59	VAS-P14R_CUL01A10	B,SS	TC29	0	4	S	0	4	S	0	4	S											0	S							FS							S of Twin Springs VSCI: 06/02/2011 67.19 10/07/2010 61.71 06/04/2009 67.91 10/01/2008 54.24
6BDAK001.71	VAS-P15R_DAK01A10	B,SS	TC32	0	16	S	0	16	S	0	16	S	3	12	IM						0	S	0	S							FS							S of Twin Springs VSCI: 05/09/2011 77.15 06/02/2009 61.77 10/01/2008 52.44
6BDAR000.26	VAS-P17R_DAR01A02	B,TM	TP04	0	1	IN	0	1	IN	1	1	IN																			FS							Abandoned R.R. above Powell confluence VSCI: 04/29/2008 60.56
6BDBR001.69	VAS-P21R_DBR01A02	A	TP12	0	11	S	0	10	S	0	11	S	2	11	IM																							SR 657 ford, off Rt 58
6BDES000.06	VAS-P02R_DES01A10	A	TC02	0	12	S	0	10	S	0	11	S	5	12	IM						0	S																Off SR 637 near golf course
6BDEV000.07	VAS-P12R_DEV01A02	B,TM	TC24	0	2	S	0	2	S	2	2	IM																			J							Off SR 619 upstream Straight Fork confluence, Class V VSCI: 10/27/11 66.10 05/18/11 45.39
6BDUM000.04	VAS-P08R_DUM01A94	A,TM	TC15	0	24	S	0	24	S	0	24	S	3	24	IM																							Bridge #6151@AEP Rt 664/665
6BDUM000.14	VAS-P08R_DUM01A94	TM	TC15				0	1	IN																													SR 616 bridge, near Clinch River
6BDUM000.23	VAS-P08R_DUM01A94	FPM,B,TM	TC15	0	5	S	0	5	S	0	1	IN																			IM							Off SR 664 VSCI: 11/19/2012 69.20 04/17/2012 57.53 10/07/2010 50.97 04/06/2010 60.24 11/18/2009 59.33 04/23/2009 52.12
6BEAS000.07	VAS-P11R_EAS01A06	B,TM	TC19	0	5	S	0	5	S	0	5	S							0	S											FS							Clear Creek Road - Above Ramsey VSCI: 10/12/2011 74.85 04/29/2013 87.00
6BEKG004.18	VAS-P06R_EKG01A06	A	TC12	0	12	S	0	12	S	0	12	S	11	12	IM																							Pvt bridge off SR 869 0.3 mi from SR 656
6BEKG008.48	VAS-P06R_EKG01A10	A	TC12	0	12	S	0	12	S	0	12	S	9	12	IM																							Off Rt 80 bridge on Meadowlark Lane @church
6BEKG010.34	VAS-P06R_EKG01A10	B,SS	TC12	0	2	S	0	2	S	0	2	S											0	S							J							At Rosedale behind Sunoco station VSCI: 10/12/2009 57.47 09/30/2008 66.94
6BFLC000.52	VAS-P09R_FLC01A02	A	TC23	0	23	S	0	23	S	0	23	S	8	23	IM																							Bridge #1089 on SR 659 off SR 65
6BFOU003.59	VAS-P23R_FOU01A14	A	TP16	0	13	S	0	13	S	0	13	S	6	12	IM																							Bridge #1089 on SR 659 off Rt 65
6BGLA000.18	VAS-P11R_GLA01A14	TM	TC20	0	12	S	0	12	S	0	12	S	8	12	IM																							School Ave culvert @ Addington MS
6BGRV-GL-1-MRRP	VAS-P10R_GRV01A10	CMON	TC17	0	4	S							3	4	IM																							At the end of the driveway at 240 Gravel Lick
6BGSY000.25	VAS-P14R_GSY01A10	B,SS	TC28	0	2	S	0	2	S	0	2	S											0	S							FS							E of Thompson Ford, W of Tray Hollow VSCI: 06/03/2009 75.46 10/01/2008 75.26
6BGUE006.45	VAS-P11R_GUE02A98	C	TC21																						0	S	0	S										Bridge #1058 on Rt. 72 Fish data only is available at this site.
6BGUE006.50	VAS-P11R_GUE02A98	A,B	TC21	0	27	S	0	23	S	0	17	S	3	23	IM						0	S									IM							Bridge #1058 on Rt. 72 VSCI: 10/27/2009 39.72 06/08/2009 32.08 05/29/2007 34.73
6BGUE013.71	VAS-P11R_GUE03A98	A	TC21	0	11	S	0	11	S	0	11	S	4	11	IM																							Pvt bridge off Rt 58 across from Drive-in
6BGUE016.54	VAS-P11R_GUE03A98	FPM,B,TM	TC21	0	2	S	0	2	S	0	2	S																			IM							Above Tacoma off Alt. Rt. 58 VSCI: 10/18/2011 41.81 05/19/2011 43.25
6BGUE026.55	VAS-P11R_GUE04A96	A	TC19	0	10	S	0	10	S	0	10	S	3	10	IM																							Bridge #6215 on SR 625 off SR 620
6BHAR000.34	VAS-P21R_HAR01A02	A	TP12	0	11	S	0	11	S	0	11	S	3	11	IM																							Bridge #6054 on SR 661 off SR 758, Class V
6BHES000.05	VAS-P04R_HES01A10	A	TC05	0	25	S	0	23	S	0	24	S	9	24	IM						0	S																SR 622 bridge #6305 @ Swords Creek
6BHES000.38	VAS-P04R_HES01A10	B,SS	TC05	0	2	S	0	2	S	0	2	S											0	S							FS							Off Rt 67 on SR 622, near Millers Chapel VSCI: 06/03/2009 67.47 09/30/2008 65.02
6BHOG000.76	VAS-P05R_HOG01A10	B,SS	TC08	0	2	S	0	2	S	0	2	S											0	S							FS							At Belfast, Rt 642 off 19/460 VSCI: 06/03/2009 69.71 09/30/2008 73.99

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved Oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Samples	Status	Exceed	Samples	Status	
Tennessee and Big Sandy Rivers Basin																																					
6BIDI001.49	VAS-P02R_IDI02A04	A	TC03	0	12	S	0	10	S	0	11	S	2	12	IM						0	S																Rt. 1206 Off SR 631 Pvt Bridge Wildwood Dr.
6BIDI008.73	VAS-P02R_IDI02A04	A	TC03	0	9	S	0	7	S	0	9	S	0	9	S						0	S																SR 612 bridge #6015 @ Harman
6BIDI009.04	VAS-P02R_IDI02A04	FPM,B	TC03	0	2	S	0	2	S	0	2	S	0	1	IN				0	S	0	S	0	S								FS							@ Harman VSCI: 11/04/2009 82.95 06/08/2009 65.81
6BIDN000.69	VAS-P05R_IDN01A04	A,B,SS	TC08	0	26	S	0	22	S	0	26	S	5	25	IM						0	S										J							On SR 770 Off SR 609 off Hwy 19 VSCI: 09/23/2008 59.81
6BIDN003.15	VAS-P05R_IDN02A10	B,SS	TC08	0	2	S	0	2	S	0	2	S											0	S								FS							E of Ferrell Cemetery SR 1114 off Rt 19 VSCI: 06/03/2009 64.30 09/30/2008 63.49
6BIND009.10	VAS-P24R_IND01A00	C	TP18																								0	S	0	S								Near Gibson Mill
6BIND009.12	VAS-P24R_IND01A00	A	TP18	0	13	S	0	13	S	0	13	S	6	12	IM																							Bridge. # 6323 on SR 692 off 58
6BIND010.25	VAS-P24R_IND01A00	B,TM	TP18	0	2	S	0	2	S	0	2	S																				J							Off SR 691 0.1 mi above Pendleton Br) VSCI: 11/03/2011 82.56 05/03/2011 51.44
6BJAY001.47	VAS-P11R_JAY01A02	A,B	TC21	0	1	IN	0	1	IN	0	1	IN																				FS							Rt 72 bridge VSCI: 04/29/2010 67.11
6BJNN001.35	VAS-P01R_JNN01A04	B,TM	TC01	0	2	S	0	2	S	0	2	S																				J							Near Adria Off Rt. 16 VSCI: 04/05/2010 61.48 03/24/2009 44.44
6BJON000.46	VAS-P20R_JON01A12	A	TP07	0	11	S	0	11	S	0	11	S	1	11	S																							SR 606/628 bridge #6025
6BKAT000.02	VAS-P05R_KAT01A10	B,SS	TC09	0	2	S	0	1	IN	0	2	S											0	S								FS							SR 609 N of Wardell VSCI: 06/02/2009 62.17 09/29/2008 72.19
6BLCC000.09	VAS-P10R_LCC01A98	A,B	TC17	0	13	S	0	13	S	0	12	S	4	11	IM																							ON RT. 628 BRIDGE # 6286 OFF RT. 63 VSCI: 10/12/2011 58.80 04/27/2011 43.97
6BLCC002.84	VAS-P10R_LCC01A98	A	TC17	0	1	IN	0	1	IN	0	1	IN	0	1	IN																							RR trestle off SR 615 off SR 870 off 63
6BLCC005.99	VAS-P10R_LCC02A02	A	TC17	0	1	IN	0	1	IN	0	1	IN	0	1	IN																							SR 759 bridge. Off 63 at RR Yd below Dante

* For lake/reservoir NUTRIENTS (i.e. Total Phosphorus or Chlorophyll a), "Exceed" refers to the number of exceedences per monitoring year (April-October) and "Samples" represent the number of monitoring years. A minimum of two monitoring years are required to make a supporting (S) or impaired (IM) assessment determination. Less than two full monitoring years result in an insufficient (IN) determination. Also, nutrients are only assessed in lakes listed in Section 187 of the WQS if there is documented algaecide use.

NOTE: Values in VAHU6 refer to the 6th order watershed in version 4 of Virginia's portion of the National Watershed Boundary Dataset.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
York River Basin																																					
01671020	VAP-F09R_NAR02A00	USGS	YO26	0	19	S															0	S																collocated with 8-NAR005.42 - no data since 2010 cycle
01671100	VAP-F11R_LTL01A98	USGS	YO25	0	13	S															0	S																collocated with 8-LTL009.54 - no data since 2010 cycle
01672500	VAP-F04R_SAR03A02	USGS	YO11	0	7	S															0	S																collocated with 8-SAR014.47 - no data since 2010 cycle
01673000 / TF4.0P	VAP-F12R_PMK01B08	USGS	YO27	8	1901	S	0	254	S	0	1784	S									0	S																co-located with 8-PMK082.34; continuous monitoring data
01673638	VAP-F14R_CMC01A00	USGS	YO36	0	7	S															0	S																collocated with 8-CMC005.16 - no data since 2010 cycle
01674000	VAN-F17R_MPN02A02	USGS	YO47	0	11	S																																
14Y01	VAT-F27E_YRK02C00	CB-B	YO69																																			BIBI = 1.67; YRKPHa. Chesapeake Bay Segment: YRKPH.
14Y02	VAT-F27E_YRK02A00	CB-B	YO69																																			BIBI = 3; YRKPHa. Chesapeake Bay Segment: YRKPH.
14Y04	VAT-F27E_YRK01A00	CB-B	YO68																																			BIBI = 2; YRKPHa. Chesapeake Bay Segment: YRKPH.
14Y06	VAT-F26E_YRK03A00	CB-B	YO68																																			BIBI = 1.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
14Y07	VAT-F26E_YRK03A00	CB-B	YO68																																			BIBI = 4; YRKMHa. Chesapeake Bay Segment: YRKMH.
14Y08	VAT-F26E_YRK03A00	CB-B	YO66																																			BIBI = 1.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
14Y09	VAT-F26E_YRK03A00	CB-B	YO66																																			BIBI = 3.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
14Y10	VAT-F26E_YRK03A00	CB-B	YO66																																			BIBI = 2; YRKMHa. Chesapeake Bay Segment: YRKMH.
14Y11	VAT-F26E_YRK03A00	CB-B	YO65																																			BIBI = 2; YRKMHa. Chesapeake Bay Segment: YRKMH.
14Y12	VAT-F26E_YRK03A00	CB-B	YO65																																			BIBI = 2; YRKMHa. Chesapeake Bay Segment: YRKMH.
14Y13	VAT-F26E_YRK03A00	CB-B	YO65																																			BIBI = 2.33; YRKMHa. Chesapeake Bay Segment: YRKMH.
14Y14	VAT-F26E_YRK02A14	CB-B	YO63																																			BIBI = 2.33; YRKMHa. Chesapeake Bay Segment: YRKMH.
14Y15	VAT-F26E_YRK02A14	CB-B	YO63																																			BIBI = 2.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
14Y16	VAT-F26E_YRK01A04	CB-B	YO63																																			BIBI = 3; YRKMHa. Chesapeake Bay Segment: YRKMH.
14Y17	VAT-F26E_YRK01A04	CB-B	YO63																																			BIBI =1.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
14Y18	VAT-F26E_YRK01B10	CB-B	YO63																																			BIBI =2.33; YRKMHa. Chesapeake Bay Segment: YRKMH.
14Y19	VAP-F14E_PMK07A04	CB-B	YO37		1	NA		1																														B-IBI = 2.33; YRKMHa
14Y20	VAP-F14E_PMK07A04	CB-B	YO37		1	NA		1																														B-IBI = 2.0; YRKMHa
14Y21	VAP-F14E_PMK06A00	CB-B	YO37		1	NA		1																														B-IBI - 3.0; PMKOHa
14Y22	VAP-F14E_PMK06A00	CB-B	YO37		1	NA		1																														B-IBI = 1.8: PMKOHa
14Y23	VAP-F14E_PMK02A00	CB-B	YO36		1	NA		1																														B-IBI = 2.33; PMKTFa
14Y25	VAP-F24E_MPN03B02	CB-B	YO59		1	NA		1																														B-IBI = 2.6; MPNOHa
14Y28	VAT-F26E_YRK02A14	CB-B	YO63																																			BIBI =2.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
14Y29	VAT-F26E_YRK03A00	CB-B	YO66																																			BIBI = 2.33; YRKMHa. Chesapeake Bay Segment: YRKMH.
14Y30	VAP-F24E_MPN03A98	CB-B	YO59		1	NA		1																														B-IBI = 1.67; MPNOHa
15Y01	VAT-F27E_YRK02A00	CB-B	YO69																																			BIBI = 3.67; YRKPHa. Chesapeake Bay Segment: YRKPH.
15Y02	VAT-F27E_YRK02A00	CB-B	YO68																																			BIBI = 2; YRKPHa. Chesapeake Bay Segment: YRKPH.
15Y03	VAT-F27E_YRK02A00	CB-B	YO68																																			BIBI = 2.33; YRKPHa. Chesapeake Bay Segment: YRKPH.
15Y04	VAT-F27E_TMB03A08	CB-B	YO68																																			BIBI = 2.67; YRKPHa. Chesapeake Bay Segment: YRKPH.
15Y07	VAT-F26E_YRK03A00	CB-B	YO66																																			BIBI = 2; YRKMHa. Chesapeake Bay Segment: YRKMH.
15Y08	VAT-F26E_YRK03A00	CB-B	YO66																																			BIBI = 2; YRKMHa. Chesapeake Bay Segment: YRKMH.
15Y09	VAT-F26E_YRK03A00	CB-B	YO66																																			BIBI = 1.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
15Y10	VAT-F26E_YRK03A00	CB-B	YO66																																			BIBI = 1.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
15Y11	VAT-F26E_YRK02A14	CB-B	YO63																																			BIBI = 2.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
15Y12	VAT-F26E_YRK02A14	CB-B	YO63																																			BIBI = 2; YRKMHa. Chesapeake Bay Segment: YRKMH.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
York River Basin																																					
15Y13	VAT-F26E_YRK02A14	CB-B	YO63																																		BIBI = 4; YRKMHa. Chesapeake Bay Segment: YRKMH.
15Y14	VAT-F26E_YRK01A04	CB-B	YO63																																		BIBI = 3.33; YRKMHa. Chesapeake Bay Segment: YRKMH.
15Y15	VAT-F26E_YRK01A04	CB-B	YO63																																		BIBI = 2; YRKMHa. Chesapeake Bay Segment: YRKMH.
15Y16	VAT-F26E_YRK01A04	CB-B	YO63																																		BIBI = 2.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
15Y18	VAP-F25E_MPN05A00	CB-B	YO61		1	NA		1																													B-IBI = 2.33; MPNOHa
15Y19	VAP-F25E_MPN05A00	CB-B	YO61		1	NA		1																													B-IBI = 3.33; MPNOHa
15Y20	VAP-F23E_MPN03A06	CB-B	YO57		1	NA		1																													B-IBI = 3.0; MPNTFa
15Y21	VAP-F14E_PMK06B06	CB-B	YO37		1	NA		1																													B-IBI = 2.67; PMKOHa
15Y22	VAP-F14E_PMK06A00	CB-B	YO37		1	NA		1																													B-IBI = 3.33; PMKOHa
15Y23	VAP-F14E_PMK06A00	CB-B	YO37		1	NA		1																													B-IBI = 3.8; PMKOHa
15Y24	VAP-F14E_PMK02A00	CB-B	YO37		1	NA		1																													B-IBI = 2.33: PMKOHa
15Y25	VAP-F14E_PMK02A00	CB-B	YO36		1	NA		1																													B-IBI = 2.6; PMKTFa
15Y26	VAT-F26E_YRK03A00	CB-B	YO65																																		BIBI = 2.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
15Y27	VAT-F26E_YRK03A00	CB-B	YO68																																		BIBI = 3.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
15Y28	VAT-F26E_YRK03A00	CB-B	YO65																																		BIBI = 1.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
16M05	VACB-R01E-MOB	CB-B	YO69		1			1																													BIBI=3.33; sampled 8/10/2009
16Y01	VAT-F27E_YRK02A00	CB-B	YO69																																		B-IBI = 3.67; YRKPHa. Chesapeake Bay Segment: YRKPH.
16Y02	VAT-F27E_YRK02C00	CB-B	YO69																																		B-IBI = 2.33; YRKPHa. Chesapeake Bay Segment: YRKPH.
16Y03	VAT-F27E_YRK02C00	CB-B	YO69																																		B-IBI = 3.33; YRKPHa. Chesapeake Bay Segment: YRKPH.
16Y04	VAT-F27E_SRH01D14	CB-B	YO69																																		B-IBI = 2; YRKPHd. Chesapeake Bay Segment: YRKPH.
16Y05	VAT-F27E_SRW01A14	CB-B	YO69																																		B-IBI = 1.33; YRKPHd. Chesapeake Bay Segment: YRKPH.
16Y06	VAT-F27E_YRK02A00	CB-B	YO69																																		B-IBI = 2; YRKPHa. Chesapeake Bay Segment: YRKPH.
16Y07	VAT-F27E_YRK02A00	CB-B	YO68																																		B-IBI = 2; YRKPHa. Chesapeake Bay Segment: YRKPH.
16Y08	VAT-F27E_YRK01A00	CB-B	YO68																																		B-IBI = 1.67; YRKPHa. Chesapeake Bay Segment: YRKPH.
16Y09	VAT-F27E_YRK01A00	CB-B	YO68																																		B-IBI = 1.33; YRKPHa. Chesapeake Bay Segment: YRKPH.
16Y11	VAT-F27E_CRT02A00	CB-B	YO68																																		B-IBI = 2; YRKPHh. Chesapeake Bay Segment: YRKPH.
16Y12	VAT-F26E_YRK03A00	CB-B	YO66																																		B-IBI = 3; YRKMHa. Chesapeake Bay Segment: YRKMH.
16Y13	VAT-F26E_YRK03A00	CB-B	YO66																																		B-IBI = 2; YRKMHa. Chesapeake Bay Segment: YRKMH.
16Y14	VAT-F26E_YRK01A04	CB-B	YO63																																		B-IBI = 3; YRKMHa. Chesapeake Bay Segment: YRKMH.
16Y15	VAT-F26E_YRK01A04	CB-B	YO63																																		B-IBI = 2.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
16Y16	VAP-F25E_MPN06B06	CB-B	YO63		1	NA		1																													B-IBI = 3; YRKMHa
16Y17	VAP-F25E_MPN05A00	CB-B	YO61		1	NA		1																													B-IBI=4.2; MPNOHa
16Y18	VAP-F25E_MPN05A00	CB-B	YO61		1	NA		1																													B-IBI=4.6; MPNOHa
16Y19	VAP-F14E_PMK06A00	CB-B	YO37		1	NA		1																													B-IBI = 3.4; PMKOHa
16Y20	VAP-F14E_PMK06A00	CB-B	YO37		1	NA		1																													B-IBI = 2.6; PMKOHa
16Y21	VAP-F14E_PMK06A00	CB-B	YO37		1	NA		1																													B-IBI = 2.6; PMKOHa
16Y22	VAP-F14E_PMK06A00	CB-B	YO37		1	NA		1																													B-IBI = 1.8; PMKOHa
16Y23	VAP-F14E_PMK05B00	CB-B	YO37		1	NA		1																													B-IBI = 3; PMKOHa
16Y24	VAP-F14E_PMK02A00	CB-B	YO36		1	NA		1																													B-IBI = 3.4; PMKTFa
16Y26	VAP-F14E_PMK06A00	CB-B	YO37		1	NA		1																													B-IBI = 4.2; PMKOHa
16Y27	VAT-F26E_YRK03A00	CB-B	YO66																																		B-IBI = 3.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
17Y01	VAT-F27E_YRK02C00	CB-B	YO69																																		B-IBI = 2.33; YRKPHa. Chesapeake Bay Segment: YRKPH.
17Y02	VAT-F27E_YRK02A00	CB-B	YO69																																		B-IBI = 4; YRKPHa. Chesapeake Bay Segment: YRKPH.
17Y03	VAT-F27E_YRK02A00	CB-B	YO68																																		B-IBI = 3; YRKPHa. Chesapeake Bay Segment: YRKPH.
17Y04	VAT-F27E_YRK01A00	CB-B	YO68																																		B-IBI = 3; YRKPHa. Chesapeake Bay Segment: YRKPH.
17Y05	VAT-F27E_YRK01A00	CB-B	YO68																																		B-IBI = 2.67; YRKPHa. Chesapeake Bay Segment: YRKPH.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
York River Basin																																					
17Y06	VAT-F26E_YRK03A00	CB-B	YO68																																		B-IBI = 1.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
17Y07	VAT-F26E_YRK03A00	CB-B	YO66																																		B-IBI = 2; YRKMHa. Chesapeake Bay Segment: YRKMH.
17Y08	VAT-F26E_YRK03A00	CB-B	YO66																																		B-IBI = 2.33; YRKMHa. Chesapeake Bay Segment: YRKMH.
17Y09	VAT-F26E_YRK03A00	CB-B	YO66																																		B-IBI = 3; YRKMHa. Chesapeake Bay Segment: YRKMH.
17Y10	VAT-F26E_YRK03A00	CB-B	YO66																																		B-IBI = 3; YRKMHa. Chesapeake Bay Segment: YRKMH.
17Y11	VAT-F26E_YRK03A00	CB-B	YO65																																		B-IBI = 1.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
17Y12	VAT-F26E_YRK02A14	CB-B	YO63																																		B-IBI = 1.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
17Y13	VAT-F26E_YRK01A04	CB-B	YO63																																		B-IBI = 3; YRKMHa. Chesapeake Bay Segment: YRKMH.
17Y14	VAT-F26E_YRK01B10	CB-B	YO63																																		B-IBI = 2.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
17Y15	VAP-F14E_PMK06A00	CB-B	YO37		1	NA		1																													B-IBI = 2.33; PMKOHa
17Y16	VAP-F14E_PMK06A00	CB-B	YO37		1	NA		1																													B-IBI = 2; PMKOHa
17Y17	VAP-F14E_PMK06A00	CB-B	YO37		1	NA		1																													B-IBI = 3.67; PMKOHa
17Y18	VAP-F14E_PMK05B00	CB-B	YO37		1	NA		1																													B-IBI = 3.67; PMKOHa
17Y19	VAP-F14E_ZZZ01A00	CB-B	YO36		1	NA		1																													B-IBI = 3; PMKTF-UA
17Y20	VAP-F14E_PMK02A00	CB-B	YO36		1	NA		1																													B-IBI = 1.67; PMKTFa
17Y21	VAP-F14E_PMK02A00	CB-B	YO36		1	NA		1																													B-IBI = 3; PMKTFa
17Y22	VAP-F25E_MPN05A00	CB-B	YO61		1	NA		1																													B-IBI = 4; MPNOHa
17Y23	VAP-F25E_MPN05A00	CB-B	YO61		1	NA		1																													B-IBI = 2; MPNOHa
17Y24	VAP-F25E_MPN05A00	CB-B	YO61		1	NA		1																													B-IBI = 3.67; MPNOHa
17Y26	VAT-F27E_YRK02C00	CB-B	YO69																																		B-IBI = 1.33; YRKPHa. Chesapeake Bay Segment: YRKPH.
18Y02	VAT-F27E_YRK02A00	CB-B	YO68																																		B-IBI = 2.33; YRKPHa. Chesapeake Bay Segment: YRKPH.
18Y03	VAT-F27E_YRK01A00	CB-B	YO68																																		B-IBI = 1.67; YRKPHa. Chesapeake Bay Segment: YRKPH.
18Y05	VAT-F27E_YRK01A00	CB-B	YO68																																		B-IBI = 3; YRKPHa. Chesapeake Bay Segment: YRKPH.
18Y06	VAT-F27E_YRK01A00	CB-B	YO68																																		B-IBI = 3.33; YRKMHa. Chesapeake Bay Segment: YRKMH.
18Y07	VAT-F26E_YRK03A00	CB-B	YO66																																		B-IBI = 1.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
18Y08	VAT-F26E_YRK03A00	CB-B	YO66																																		B-IBI = 2; YRKMHa. Chesapeake Bay Segment: YRKMH.
18Y09	VAT-F26E_YRK03A00	CB-B	YO66																																		B-IBI = 2; YRKMHa. Chesapeake Bay Segment: YRKMH.
18Y10	VAT-F26E_YRK03A00	CB-B	YO66																																		B-IBI = 2.33; YRKMHa. Chesapeake Bay Segment: YRKMH.
18Y11	VAT-F26E_YRK03A00	CB-B	YO65																																		B-IBI = 2.33; YRKMHa. Chesapeake Bay Segment: YRKMH.
18Y12	VAT-F26E_YRK03A00	CB-B	YO65																																		B-IBI = 3.33; YRKMHa. Chesapeake Bay Segment: YRKMH.
18Y13	VAT-F26E_YRK03A00	CB-B	YO65																																		B-IBI = 2.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
18Y14	VAT-F26E_YRK03A00	CB-B	YO65																																		B-IBI = 1.33; YRKMHa. Chesapeake Bay Segment: YRKMH.
18Y15	VAT-F26E_YRK03A00	CB-B	YO63																																		B-IBI = 2.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
18Y16	VAT-F26E_YRK01A04	CB-B	YO63																																		B-IBI = 2.33; YRKMHa. Chesapeake Bay Segment: YRKMH.
18Y17	VAP-F25E_MPN05A00	CB-B	YO61					1																													B-IBI = 2.6; MPNOHa
18Y18	VAP-F24E_MPN03B02	CB-B	YO60					1																													B-IBI = 2.6; MPNOHa
18Y19	VAP-F24E_MPN03A98	CB-B	YO59					1																													B-IBI = 5.0; MPNTFa
18Y20	VAP-F14E_PMK06B06	CB-B	YO37					1																													B-IBI = 3.0; PMKOHa
18Y21	VAP-F14E_PMK06A00	CB-B	YO37					1																													B-IBI = 1.8; PMKOHa
18Y22	VAP-F14E_PMK06A00	CB-B	YO37					1																													B-IBI = 2.2; PMKOHa
18Y23	VAP-F14E_PMK05B00	CB-B	YO37					1																													B-IBI = 3.8; PMKOHa
18Y24	VAP-F14E_PMK05B00	CB-B	YO37					1																													B-IBI = 2.33; PMKOHa
18Y25	VAP-F14E_PMK02A00	CB-B	YO36					1																													B-IBI = 3.0; PMKTFa
18Y26	VAP-F24E_MPN03B02	CB-B	YO60					1																													B-IBI = 1; MPNOHa
18Y27	VAT-F27E_YRK02A00	CB-B	YO68																																		B-IBI = 3.33; YRKPHa. Chesapeake Bay Segment: YRKPH.
19M08	VAT-F27E_YRK02A00	CB-B	YO69																																		B-IBI = 3.33; MOBPHa. Chesapeake Bay Segment: MOBPH.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
York River Basin																																					
19Y01	VAT-F27E_YRK02C00	CB-B	YO69																																		B-IBI = 3; YRKPHa. Chesapeake Bay Segment: YRKPH.
19Y02	VAT-F27E_YRK02C00	CB-B	YO69																																		B-IBI = 2.67; YRKPHa. Chesapeake Bay Segment: YRKPH.
19Y03	VAT-F27E_YRK02A00	CB-B	YO69																																		B-IBI = 3; YRKPHa. Chesapeake Bay Segment: YRKPH.
19Y04	VAT-F27E_WOR01A08	CB-B	YO69																																		B-IBI = 1.67; YRKPHc. Chesapeake Bay Segment: YRKPH.
19Y05	VAT-F27E_YRK02A00	CB-B	YO69																																		B-IBI = 2.67; YRKPHa. Chesapeake Bay Segment: YRKPH.
19Y06	VAT-F27E_YRK01D06	CB-B	YO69																																		B-IBI = 3; YRKPHa. Chesapeake Bay Segment: YRKPH.
19Y07	VAT-F27E_YRK02A00	CB-B	YO68																																		B-IBI = 1.67; YRKPHa. Chesapeake Bay Segment: YRKPH.
19Y08	VAT-F27E_KNG01A02	CB-B	YO68																																		B-IBI = 1.67; YRKPHi. Chesapeake Bay Segment: YRKPH.
19Y09	VAT-F27E_YRK01A00	CB-B	YO68																																		B-IBI = 1.33; YRKPHa. Chesapeake Bay Segment: YRKPH.
19Y10	VAT-F27E_YRK01A00	CB-B	YO68																																		B-IBI = 2.33; YRKPHa. Chesapeake Bay Segment: YRKPH.
19Y11	VAT-F27E_YRK01A00	CB-B	YO68																																		B-IBI = 3; YRKMHa. Chesapeake Bay Segment: YRKMH.
19Y12	VAT-F27E_YRK01A00	CB-B	YO68																																		B-IBI = 3.33; YRKMHa. Chesapeake Bay Segment: YRKMH.
19Y13	VAT-F26E_YRK03A00	CB-B	YO66																																		B-IBI = 2.33; YRKMHa. Chesapeake Bay Segment: YRKMH.
19Y14	VAT-F26E_YRK03A00	CB-B	YO66																																		B-IBI = 3; YRKMHa. Chesapeake Bay Segment: YRKMH.
19Y15	VAT-F26E_YRK03A00	CB-B	YO66																																		B-IBI = 1.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
19Y17	VAT-F26E_YRK03A00	CB-B	YO65																																		B-IBI = 2; YRKMHa. Chesapeake Bay Segment: YRKMH.
19Y18	VAT-F26E_YRK03A00	CB-B	YO65																																		B-IBI = 1.33; YRKMHa. Chesapeake Bay Segment: YRKMH.
19Y19	VAT-F26E_YRK03A00	CB-B	YO65																																		B-IBI = 2.67; YRKMHa. Chesapeake Bay Segment: YRKMH.
19Y20	VAT-F26E_YRK03A00	CB-B	YO65																																		B-IBI = 3; YRKMHa. Chesapeake Bay Segment: YRKMH.
19Y21	VAP-F24E_MPN03A98	CB-B	YO59		1	NA		1																													B-IBI = 2.67; MPNOHa
19Y22	VAP-F23E_MPN03A06	CB-B	YO57		1	NA		1																													B-IBI = 2.5; MPNTFa
19Y23	VAP-F14E_PMK06B06	CB-B	YO37		1	NA		1																													B-IBI = 4.33; PMKOHa
19Y24	VAP-F14E_PMK06A00	CB-B	YO37		1	NA		1																													B-IBI = 4.6; PMKOHa
19Y25	VAP-F14E_PMK02A00	CB-B	YO36		1	NA		1																													B-IBI = 3; PMKTFa
19Y26	VAT-F27E_YRK02A00	CB-B	YO69																																		B-IBI = 3.67; YRKPHa. Chesapeake Bay Segment: YRKPH.
8-ACA000.81	VAP-F13R_ACA01A14	TM	YO30	0	13	S	0	13	S	0	13	S																									
8-ACQ001.35	VAP-F13R_ACQ01A14	TM	YO35	0	24	S	1	24	S	0	24	S	0	12	S																							
8-ACQ004.43	VAP-F13R_ACQ01A14	TM	YO35	0	23	S	7	23	IM	0	23	S	1	11	S																							
8-ACQ008.01	VAP-F13R_ACQ01A14	TM	YO35	0	23	S	8	23	IM	1	23	S	1	11	S																							
8-ADA001.59	VAT-F26E_ADM01A00	SS	YO65					5	IM	0	5	S													0	S	0	S									YRKMH. Sed = S, 2012.
8-ADA001.71	VAT-F26E_ADM01A00	SS	YO65					3	IM	0	3	S													0	S	0	S									YRKMH. Sed = S, 2012.
8-AYL002.27	VAP-F23R_AYL01A12	A,B	YO57	0	13	S	0	13	S	6	13	IM	3	11	IM																	IN						2009 benthics; no new data since 2012 cycle
8-BDC000.05	VAP-F11R_BDC01A12	A	YO25	0	10	S	1	10	S	3	10	IM	4	9	IM																							No new data since 2012 cycle
8-BEV003.16	VAN-F22R_BEV01A08	A,TM	YO52	0	12	S	0	12	S	1	12	S	1	12	S																							
8-BEV008.47	VAN-F22R_BEV02A08	A,TM	YO52	0	11	S	0	11	S	6	11	IM	0	11	S																							
8-BLC001.77	VAP-F13R_BLC01A00	TM	YO33	0	12	S	0	12	S	0	12	S																									
8-BLC002.88	VAP-F13R_BLC01A00	FPM,B	YO33	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S									IN						2012 benthics
8-BLC005.54	VAP-F13R_BLC01B12	FPM,B	YO33	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S	0	S							FS						2009 Probmon; no new data since 2012 cycle
8-BMC003.65	VAP-F25E_BMC01A08	A	YO61		12	NA		12		0	12	S																									E. coli collected
8-BRB002.34	VAN-F21R_BRB01A12	A	YO54	0	11	S	0	11	S	1	11	S	1	11	S																							
8-BRC001.88	VAN-F06R_BRC01A02	A,B,FPM	YO12	0	25	S	0	25	S	0	25	S	5	13	IM						0	S									FS						
8-BRD000.43	VAT-F26R_BRD01A12	FPM,B	YO62	0	4	S	0	4	S	0	4	S	0	2	S				1	IN/O											IM						Benthic ProbMon VCMPI [IM - 2008: S=26.8, F = 33.0, 2009: S=44.0, F = 28.9]; 1 exceedance for Manganese (PWS - Human Health)
8-BRK000.06	VAN-F15R_BRK01A06	A,TM	YO38	0	9	S	2	9	IM	0	9	S	4	10	IM																							
8BRK-04-NPS	VAN-F15R_BRK01A06	NONA	YO38	0	31	S	8	31	IM	0	31	S																									
8BRK-17-NPS	VAN-F15R_BRK01B12	NONA	YO38	0	10	S	0	10	S	2	10	IM																									
8-BRS001.15	VAP-F24R_BRS01A12	FPM,B,TM	YO59	0	15	S	1	15	S	1	15	S	1	14	S				0	IN	0	S	0	S							IN						2009 Probmon
8-BRY000.47	VAN-F07R_BRY01A06	A	YO16	0	12	S	0	12	S	0	12	S	2	12	IM																							
8BRY-P4-LACA	VAN-F07R_BRY01A06	CMON	YO16	0	8	S	0	8	S	0	8	S	3	4	IM																							Level II data: E. coli (0/5).
8BRY-P8-LACA	VAN-F07R_BRY02A14	CMON	YO16	0	9	S	0	9	S	0	9	S	2	3	IM																							Level II data: E. coli (3/6).

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
York River Basin																																					
8-BVL001.56	VAN-F07R_BVL01A12	A,SS	YO17	0	1	W	0	1	W	0	1	W													IN												PCB sediment sample
8-CBL-5-RMC	VAP-F12R_CBL01A04	CMON	YO27										1	8	IN																						Level 2 data - Randolph Macon College - no data since 2010 cycle
8-CBN002.69	VAP-F25E_CBN01A00	TM	YO61		13	NA		13		0	13	S				0	9	S																			below dam; no enterococci data since 2012 cycle; occasional tidal influence
8CDB-50-ALL	VAT-F27E_CDB02A00	CMON	YO68					3	IM	0	3	S																									ACB station - Level 3 temp and pH; Level 2 DO. YRKPH.
8-CDY-10-RMC	VAP-F12R_CDY01A08	CMON	YO27										0	8	IN																						Level 2 data - Randolph Macon College - no data since 2010 cycle
8CHR-P9-LACA	VAN-F07R_CHR01A14	CMON	YO16	0	9	S	0	9	S	0	9	S	4	4	IM																						Level II data: E. coli (3/5).
8-CLC000.09	VAN-F07R_CLC01A12	SS	YO16																						IN												PCB sediment sample
8-CLC003.48	VAN-F07L_CLC01A06	L,C	YO16	0	117	S	5	48	S	3	117	S	0	13	S						0	S					0	S	0	S							Lake Orange: non-187 lake
8CLC-P5-LACA	VAN-F07R_CLC01A12	CMON	YO16	0	9	S	0	9	S	0	9	S	3	4	IM																						Level II data: E. coli (0/5).
8-CMC001.00	VAP-F14L_CMC01A14	TM	YO36	0	11	S	0	11	S	0	11	S																									Cohoke Millpond
8-CMC005.16	VAP-F14R_CMC01A00	A	YO36	0	25	S	9	25	IM	0	25	S	1	12	S																						No E. coli data since 2010 cycle
8-CMP000.28	VAN-F01R_CMP01A12	A,B,SS	YO02	0	26	S	0	25	S	0	26	S	10	23	IM																		IM					
8-CON002.32	VAN-F07L_CON01A02	L	YO19	0	56	S	0	50	S	1	56	S	0	8	S					IN		0	S															Lake Anna, non-lacustrine
8-CON003.43	VAN-F07L_CON01A02	L,SS	YO19	0	1	W	0	1	W	0	1	W										IN															Lake Anna, non-lacustrine. PCB water column sample (1) - IN.
8-CON003.53	VAN-F07L_CON02A08	L	YO19	0	1	W	0	1	W	0	1	W								IN																	Lake Anna, non-lacustrine
8-CON003.84	VAN-F07L_CON01A02	C	YO19																										0	S	5	IM					FTT: IM for PCBs (2008; CARP 1-4, CFWH). Lake Anna, non-lacustrine
8-CON005.38	VAN-F08R_CON01A00	A,TR	YO19	0	33	S	0	32	S	33	33	IM	1	33	S						0	S															
8CON-33-LACA	VAN-F07L_CON01A02	CMON	YO19	0	46	S	0	41	S	1	46	S	0	24	S																						Lake Anna, non-lacustrine
8CON-5-LACA	VAN-F07L_CON01A02	CMON	YO19	0	76	S	0	66	S	0	76	S	0	19	S																						Lake Anna, non-lacustrine
8-CPL004.15	VAN-F21R_CPL01A06	A,B,TM	YO54	0	14	S	0	14	S	3	14	IM	3	12	IM																		FS				
8-CRC001.82	VAN-F06R_CRC01A10	A,SS	YO15	0	11	S	0	11	S	0	11	S	8	11	IM						0	S			IN												PCB sediment sample
8-CRU000.92	VAP-F12R_CRU01A02	A,TM	YO28	0	24	S	0	24	S	8	24	IM	2	23	S						0	S															No new data since 2012 cycle; previous E. coli impairment
8-CRU005.61	VAP-F12R_CRU01A02	TM	YO28	0	12	S	0	12	S	5	12	IM	3	12	IM																						No new data since 2012 cycle
8-CRU008.30	VAP-F12R_CRU01A02	TM	YO28	0	12	S	1	12	S	10	12	IM	2	12	IM																						No new data since 2012 cycle
8-CTH001.96	VAP-F24R_CTH01A00	TM	YO59	0	12	S	3	12	IM	0	12	S																									
8-CTR001.06	VAT-F27E_CRT01A00	C2,B	YO68					2	IM	0	2	IN				0	1	IN			0	S										J					1 sample event; no data since 2010 cycle; 2008 Coastal 2000 Probmon. YRKPH.
8-CUB001.73	VAN-F03R_CUB01A08	A	YO06	0	9	S	2	9	IM	0	9	S	1	9	IN						0	S															
8-CUB002.73	VAN-F03R_CUB01A08	A,B	YO06	0	12	S	0	12	S	0	12	S	3	10	IM																		IM				
8-DEP000.37	VAN-F03R_DEP01A12	A	YO05	0	12	S	0	11	S	0	11	S	4	12	IM																						
8-DKH001.44	VAN-F06R_DKH01A04	SS	YO15																						IN												PCB sediment sample
8-DKW000.12	VAP-F23R_DKW01C98	TM	YO58	0	23	S	6	23	IM	0	23	S	0	12	S																						
8-DKW001.12	VAP-F23R_DKW01B00	TM	YO58	0	23	S	6	23	IM	0	23	S	0	12	S																						
8-DKW004.31	VAP-F23R_DKW01B00	TM	YO58	0	23	S	7	23	IM	0	23	S	4	12	IM																						
8-DKW005.73	VAP-F23R_DKW01A00	TM	YO58	0	23	S	8	23	IM	0	23	S	1	12	S																						
8-DOC000.69	VAN-F22R_DOC01A08	A,TM	YO53	0	12	S	0	12	S	4	12	IM	4	12	IM																						
8-DOV001.20	VAN-F01L_DOV01A06	C	YO01																										0	S	0	S					
8-DWD000.77	VAP-F23R_DWD01A00	TM	YO58	0	23	S	10	23	IM	0	23	S	4	12	IM																						
8-FEL000.19	VAT-F27E_FEL01A00	A,TR	YO68					34	IM	0	34	S				2	34	S																			YRKPH
8FEL-COLOFC1-NPSN	VAT-F27E_FEL01A00	NONA	YO68					21	IM																												National Park Service Northeast Coastal & Barrier Network, ChesBay Analysis CBPSEG: YRKPH.
8-FMT000.48	VAN-F07L_TRY01A04	L,SS	YO17	0	1	W	0	1	W	0	1	W	0	1	W							IN															Lake Anna, non-lacustrine. PCB water column sample
8-FMT002.45	VAN-F07R_FMT01A12	A,SS	YO17	0	1	W	0	1	W	0	1	W													IN												PCB sediment sample
8-FOS000.84	VAN-F02R_FOS01A06	A	YO03	0	11	S	0	10	S	0	11	S	3	11	IM																						
8FRC-34-LACA	VAN-F07L_FRC01A04	CMON	YO19	0	69	S	0	58	S	0	69	S	0	24	S																						Lake Anna, non-lacustrine
8-FRS001.17	VAT-F26R_FRS01A00	A	YO62	0	12	S	3	12	IM	0	12	S	3	12	IM																						
8-FTS001.98	VAP-F23R_FTS01A10	TM	YO58	0	23	S	5	23	IM	1	23	S	1	12	S																						
8-GDY003.00	VAN-F16R_GDY01A10	A,B	YO40	0	25	S	0	25	S	0	25	S	4	23	IM						0	S											FS				
8-GMC000.23	VAN-F07L_GMC01A02	L,SS	YO14	0	8	S	0	7	S	0	8	S	1	4	IN						0	S															Lake Anna, non-lacustrine. PCB water column sample. Colocated with citizen monitoring station 8GMC-13-LACA.
8-GMC001.43	VAN-F06R_GMC01A00	C	YO14																										4	O	7	IM					FTM: OE for As (2008; BSLM2,3,5), OE for Hg (2008; BSLM). FTT: IM for PCBs (2008; BSLM, CARP1-4, CFCH, CFWH).
8-GMC002.19	VAN-F06R_GMC01A00	A,TM	YO14	0	18	S	0	18	S	0	18	S	5	18	IM																						
8GMC-13-LACA	VAN-F07L_GMC01A02	CMON	YO14	0	48	S	0	47	S	0	46	S	2	24	S																						Lake Anna, non-lacustrine. Colocated with DEQ station 8-GMC000.23.
8-GNT001.54	VAP-F23R_GNT01A00	A,TM	YO58	0	49	S	5	49	S	1	49	S	6	23	IM						0	S															
8-GOV000.14	VAP-F13R_GOV01A10	TM	YO32	0	12	S	4	12	IM	8	12	IM																									No new data since 2012 cycle
8-HER000.33	VAN-F21R_HER01A06	A	YO56	0	12	S	0	12	S	0	12	S	1	12	S						0	S															
8-HER005.12	VAN-F21R_HER01B02	C	YO56																										0	S							

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
York River Basin																																					
8-HIK001.20	VAN-F06R_HIK01A12	A	YO13	0	12	S	1	12	S	0	12	S	5	12	IM																						
8HIK-EX2-LACA	VAN-F06R_HIK01A12	CMON	YO13	0	9	S	0	9	S	0	9	S	3	3	IM																						Level II data: E. coli (2/6).
8-HMR000.50	VAP-F13R_HMR01A14	TM	YO30	0	13	S	0	13	S	0	13	S																									
8-HQT002.12	VAP-F12R_HQT01A00	TM	YO27	0	12	S	2	12	IM	5	11	IM									0	S															No new data since 2012 cycle
8-HQT004.62	VAP-F12R_HQT01A00	TM	YO27	0	3	S	0	3	S	1	2	IN																									No new data since 2012 cycle
8-HSN000.92	VAP-F14E_HSN01A12	TM	YO36		11	NA		11		1	11	S	3	12	IM																						
8-HSN002.12	VAP-F14R_HSN01A00	TM	YO36	0	11	S	2	11	IM	1	11	S	2	12	IM																						One of the DO violations during a low-flow period
8-HSN002.43	VAP-F14R_HSN01A00	TM	YO36	0	11	S	1	11	S	1	11	S	3	12	IM																						
8-HSN003.93	VAP-F14R_HSN01A00	TM	YO36	0	14	S	1	14	S	0	14	S	4	15	IM																						
8HSP-T4-LACA	VAN-F07R_HSP01A14	CMON	YO17	0	9	S	0	9	S	0	9	S	1	4	IN																						Level II data: E. coli (1/5).
8-HTQ003.77	VAP-F24R_HTQ01A00	A	YO60	0	12	S	0	12	S	0	12	S	2	12	IM																						No data since 2012 cycle
8-HUD001.80	VAN-F01R_HUD01A04	A	YO02	0	10	S	2	10	IM	0	10	S	5	10	IM																						
8IFC-COLOIFC1-NPSN	VAT-F27E_IFC01A00	NONA	YO68					6	IM																												National Park Service Northeast Coastal & Barrier Network, ChesBay Analysis CBPSEG: YRKPH.
8-JDY000.19	VAP-F13R_JDY01A02	TM	YO29	0	11	S	1	11	S	4	10	IM																									No new data since 2012 cycle
8-JDY001.27	VAP-F13R_JDY01A02	TM	YO29	0	12	S	1	12	S	7	11	IM																									No new data since 2012 cycle
8-JKC004.15	VAP-F13R_JKC01A98	A,TM	YO35	0	24	S	8	24	IM	0	24	S	3	12	IM								0	S														
8-JKC005.80	VAP-F13R_JKC01A98	TM,B	YO35	0	23	S	0	23	S	0	23	S	2	11	IM																IN						2012 benthics
8-JKC007.95	VAP-F13R_JKC01A98	TM	YO35	0	24	S	7	24	IM	0	24	S	0	12	S																						Duckweed; pond above station has algal bloom problems per owner
8-KER001.31	VAP-F12R_KER01A12	TM	YO28	0	12	S	1	12	S	4	12	IM	3	12	IM																						No new data since 2012 cycle
8-KNG000.18	VAT-F27E_KNG02A02	C	YO68																										0	S	3	IM						08-IM Ftox_PCB Spot, Croaker
8-KNG001.36	VAT-F27E_KNG01A02	C	YO68																										1	O	4	IM						08-IM FTox_PCB Croaker, Gizzard Shad & Blue Crab; 08 OE FMet-As Striped Mullet
8-KNG004.46	VAT-F27E_KNG01A02	A,TR	YO68					34	IM	0	34	S				13	34	IM																			YRKPH
8KNG-COLOKC1-NPSN	VAT-F27E_KNG01A02	NONA	YO68					4	IM																												National Park Service Northeast Coastal & Barrier Network, ChesBay Analysis CBPSEG: YRKPH.
8LIT-P7-LACA	VAN-F07R_LIT01A14	CMON	YO16	0	9	S	0	9	S	0	9	S	3	4	IM																						Level II data: E. coli (3/5).
8-LNG000.94	VAN-F10R_LNG01A14	A	YO24	0	11	S	2	10	IM	0	11	S	4	11	IM																						
8-LOC002.00	VAN-F11R_LOC01A06	FPM,B	YO24	0	2	S	0	2	S	0	2	S	0	1	W																IM						
8-LRK000.11	VAP-F09R_LRK01A10	FPM,B	YO23	0	2	S	0	2	S	1	2	IN	1	1	W				0	IN	0	S	0	S							FS						2008 Probmon; no data since 2010 cycle
8-LTL002.69	VAP-F11R_LTL01A98	A,TM	YO25	0	24	S	0	24	S	0	24	S	5	11	IM																						
8-LTL009.54	VAP-F11R_LTL01A98	A,CB,B,TR	YO25	0	105	S	1	105	S	8	105	S	12	104	IM						0	S									IN						2007-2008 benthics; trend station - decreasing bacteria, increasing SC
8-LTL018.80	VAP-F11R_LTL02B14	A	YO25	0	12	S	1	12	S	1	12	S	3	12	IM																						No new data since 2012 cycle
8-LTL024.86	VAP-F11R_LTL01B08	A	YO25	0	16	S	10	16	IM	0	16	S	3	15	IM																						
8-LTL030.55	VAN-F10R_LTL01A02	A,TR	YO24	0	33	S	5	32	IM	0	33	S	9	33	IM																						
8-LTL035.32	VAN-F10R_LTL02A04	A	YO24	0	11	S	1	10	S	1	11	S	4	11	IM																						
8-LTL-LR-ACB	VAP-F11R_LTL01A98	CMON	YO25	0	2	S	0	2	S	0	1	W	0	1	W																						ACB - level 3 temp, DO, pH - level 2 E. coli
8-LTS001.65	VAP-F25R_TST01A98	TM	YO61	1	12	S	1	12	S	0	12	S	3	12	IM																						No data since 2010 cycle
8LWS-01-NPS	VAN-F15R_LWS01A12	NONA	YO38	0	33	S	6	33	IM	0	33	S																									
8LWS-03-NPS	VAN-F15R_LWS01A12	NONA	YO38	0	31	S	2	31	S	0	31	S																									
8-MAR003.24	VAN-F22R_MAR01A02	A,TR	YO53	0	35	S	0	35	S	3	35	S	7	36	IM						0	S																
8-MAR004.41	VAN-F22R_MAR02A02	A,TM,SS	YO53	0	6	S	0	6	S	0	6	S																									
8-MAR007.63	VAN-F22R_MAR02A02	FPM,B	YO53	0	2	S	0	2	S	0	2	S	0	1	W					IN	0	S		IN							FS						
8-MAR008.23	VAN-F22R_MAR03A08	A,B	YO53	0	4	S	0	4	S	0	4	S																			FS						
8-MAT001.87	VAN-F18R_MAT01A12	A	YO43	0	16	S	0	16	S	1	16	S	2	16	IM																						
8-MCP000.79	VAP-F12R_MCP01A94	TM	YO27	0	12	S	1	12	S	0	12	S																									Class VII water
8-MCP002.42	VAP-F12R_MCP01A94	A	YO27	0	11	S	0	11	S	0	11	S	4	12	IM						0	S															Class VII water; no data since 2010 cycle
8-MCP009.56	VAP-F12R_MCP03A06	TM	YO27	0	11	S	3	11	IM	4	11	IM	3	11	IM																						No data since 2010 cycle
8-MCP-17-RMC	VAP-F12R_MCP03A06	CMON	YO27										2	4	IN/O																						Level 2 data - Randolph-Macon College
8-MCP-1-RMC	VAP-F12R_MCP03A06	CMON	YO27										2	13	IN/O																						Level 2 data - Randolph-Macon College
8-MCP-4-RMC	VAP-F12R_MCP02A04	CMON	YO27										3	12	IN/O																						Level 2 data - Randolph Macon College - no data since 2010 cycle
8-MCP-6-RMC	VAP-F12R_MCP02A04	CMON	YO27										2	17	IN/O																						Level 2 data - Randolph Macon College
8-MCP-8-RMC	VAP-F12R_MCP01A94	CMON	YO27										0	16	IN																						Level 2 data - Randolph Macon College - co-located with 8-MCP002.42
8-MCP-A-RMC	VAP-F12R_MCP03A06	CMON	YO27										1	1	W																						Randolph Macon College - level 2 - no data since 2010 cycle
8-MCP-B-RMC	VAP-F12R_MCP03A06	CMON	YO27										0	1	W																						Randolph Macon College - level 2 - no data since 2010 cycle
8-MCP-C-RMC	VAP-F12R_MCP03A06	CMON	YO27										1	1	W																						Randolph Macon College - level 2 - no data since 2010 cycle
8-MCP-J-RMC	VAP-F12R_MCP03A06	CMON	YO27										0	1	W																						Randolph Macon College - level 2 - no data since 2010 cycle
8-MCR001.64	VAP-F14R_MCR01A98	A	YO37	1	12	S	1	12	S	1	12	S	0	12	S						0	S															No data since 2010 cycle
8-MDQ001.37	VAP-F13R_MDQ01A98	A,TM	YO34	0	24	S	0	24	S	0	24	S	4	12	IM																						Class VII water; no E. coli data since 2012 cycle
8-MHX000.27	VAP-F13R_MHX01A12	FPM,B	YO29	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S	0	S							IN						2010 Probmon; no new data since 2012 cycle

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
York River Basin																																					
8-MHX001.50	VAP-F13R_MHX01A12	TM	YO29	0	12	S	0	12	S	4	11	IM																									No new data since 2012 cycle
8-MIC000.61	VAN-F03R_MIC01A14	A	YO09	0	11	S	0	10	S	0	11	S	1	11	S																						
8-MIL001.19	VAP-F24R_MIL01A00	TM,CR	YO60	0	36	S	1	36	S	2	36	S	1	12	S																						No E. coli data since 2012 cycle
8-MKT001.04	VAP-F23R_MKT01B00	TM	YO58	0	23	S	3	23	IM	0	23	S	2	12	IM																						
8-MKT001.96	VAP-F23R_MKT01B00	TM	YO58	0	12	S	1	12	S	0	12	S	1	12	S																						Natural Condition report completed
8-MKT002.77	VAP-F23R_MKT01A00	TM	YO58	0	12	S	3	12	IM	0	12	S	1	12	S																						Natural Condition report completed
8-MLL001.19	VAP-F09R_MLL01A12	A	YO26	0	13	S	1	13	S	5	13	IM	7	13	IM																						No new data since 2012 cycle
8-MLP002.74	VAP-F12R_MLP01A00	A,TM	YO27	0	12	S	1	12	S	4	11	IM																									No new data since 2012 cycle
8-MLY001.58	VAP-F13R_MLY01A12	TM	YO35	0	23	S	4	23	IM	4	23	IM	4	12	IM																						
8-MNQ004.19	VAP-F13R_MNQ01A98	A,C,TM	YO32	0	12	S	0	12	S	3	12	IM									0	S					0	S	1	O							2008 FT: metals ok, PCBs 1 sp (American eel); PCB impairment due to additional 2003 exceedance; no new data since 2012 cycle
8-MNQ007.65	VAP-F13R_MNQ01A98	TM	YO32	0	12	S	0	12	S	3	12	IM																									No new data since 2012 cycle
8-MOT002.62	VAN-F19R_MOT01A04	A	YO46	0	8	S	0	8	S	1	8	IN	2	8	IM																						
8-MPN004.39	VAP-F25E_MPN05A00	CB,TR	YO61		785	NA		770		12	785	S				17	71	IM			0	S													69		
8-MPN014.33	VAP-F24E_MPN03B02	C	YO60																								2	O	1	IM							2008 FT: Hg 1 sp (striped bass), As 2 sp (striped bass & bowfin), PCBs 3 sp (striped bass, channel cat, gizzard shad)
8-MPN016.38	VAP-F24E_MPN03B02	C2	YO59		12	NA		12		0	12	W				0	1	W	0	IN	0	IN	0	S	0	S									1		One sample event; 2011 WOE category 2B TF-S scenario 6
8-MPN017.45	VAP-F24E_MPN03A98	TM	YO59		11	NA		11		0	11	S																								
8-MPN017.46	VAP-F24E_MPN03A98	A,TR	YO59		35	NA		35		4	35	IM	1	29	S																				35		
8-MPN020.73	VAP-F24E_MPN03A98	C2	YO59		6	NA		6		1	6	W	0	1	W				0	IN	0	S	0	S	0	S									3		1 sample event; WOE - 2009 TF category 2A; scenario 2; no new data since 2012 cycle
8-MPN029.08	VAP-F23E_MPN03A06	CB,C,TR	YO57		193	NA		190		6	193	S	2	69	S						0	S					2	IM	1	IM					69		2008 FT: pest ok, Hg 2 sp (blue cat & golden redhorse sucker), As 1 sp (blue cat) (OE), PCBs 2 sp (blue cat, channel cat)
8-MPN036.55	VAP-F23E_MPN02A98	A,B	YO57		5	NA		5		0	5	S																			IN					2007-2009 benthics; no new data since 2012 cycle
8-MPN039.10	VAP-F23E_MPN02A98	B,TM,TR	YO57		54	NA		54		7	54	IM	2	34	S																IN				12		2007-2010 benthics
8-MPN041.41	VAP-F23R_MPN01A00	C	YO57																								1	IM	1	IM							2008 FT: pest ok, Hg 3 sp (striped bass, channel catfish, shorthead redhorse sucker), PCBs 3 sp (striped bass, channel catfish, gizzard shad); Class VII water
8-MPN043.76	VAP-F23R_MPN01A00	FPM,B	YO57	0	1	W	0	1	W	0	1	W	0	1	W				0	IN	0	S	0	S							FS						2011 sed; 2011 benthics
8-MPN054.17	VAN-F21R_MPN01B02	A,CB	YO55	0	119	S	1	118	S	0	118	S									0	S															Data collected by USGS
8-MPN075.84	VAN-F21R_MPN02A02	FPM	YO50	0	2	S	0	2	S	0	2	S	1	1	W					IN	0	S															
8-MPN083.62	VAN-F17R_MPN01A02	A,C,TM	YO47	0	22	S	0	22	S	0	22	S	3	22	IM						0	S					1	O	0	S							FTM: OE for Hg (2008; SFRB).
8-MPN094.79	VAN-F17R_MPN02A02	A,B	YO47	0	5	S	0	4	S	0	5	S																			FS						
8-MPN094.94	VAN-F17R_MPN02A02	A,CB	YO47	0	71	S	0	71	S	0	70	S	5	69	S						0	S															USGS Sampling
8-MTA001.69	VAN-F18R_MTA01A00	A,TR	YO45	0	34	S	0	34	S	0	34	S	8	34	IM						0	S															
8-MTA008.96	VAN-F18R_MTA01A00	A,TM	YO45	0	21	S	0	21	S	0	21	S	3	22	IM																						
8-MTN000.96	VAN-F06R_MTN01A00	A,TM	YO12	0	11	S	0	11	S	0	11	S	2	11	IM																						
8-NAR005.42	VAP-F09R_NAR02A00	A,CB,B,TR	YO26	0	167	S	0	166	S	1	167	S	4	37	S						0	S									FS						Trend Station - increasing pH, decreasing TN; 2008 benthics
8-NAR027.32	VAP-F09R_NAR04B08	A,B	YO23	0	4	S	0	4	S	0	4	S																			FS						2010-2011 benthics
8-NAR034.92	VAN-F07L_NAR01A02	L,C	YO21	0	551	S	22	388	S	3	551	S	0	32	S					IN	0	S					0	S	2	O				0	2	S	FTT: OE for PCBs (2008; CARP 1-2). Lake Anna, lacustrine (no algaecide). FS for chl a (& TP) in 2010 and 2012; pooled with 8-NAR043.00 (2010 & 2012) and 8-NAR044.68 (2012): FS for chl a. Colocated with citizen monitoring station 8NAR-1-LACA.
8-NAR037.22	VAN-F07L_NAR02A02	L	YO21	0	85	S	1	63	S	0	85	S	0	6	S						0	S													1	IN	Lake Anna, lacustrine (no algaecide). FS for chl a in 2007, only complete monitoring year, not included in nutrient pool. Colocated with citizen monitoring station 8NAR-2-LACA.
8-NAR043.00	VAN-F07L_NAR02A02	L	YO21	0	486	S	39	370	S	1	486	S	0	32	S						0	S												0	2	S	Lake Anna, lacustrine (no algaecide). FS for chl a (& TP) in 2010 and 2012; pooled with 8-NAR034.92 (2010 & 2012) and 8-NAR044.68 (2012): FS for chl a. Colocated with citizen monitoring station 8NAR-3-LACA.
8-NAR044.68	VAN-F07L_NAR02A02	L	YO20	0	161	S	12	145	S	1	161	S	0	12	S						0	S												0	2	S	Lake Anna, lacustrine (no algaecide). FS for chl a (& TP) in 2007 and 2012; 2012 data pooled with 8-NAR034.92 and 8-NAR043.00: FS for chl a in 2012. Colocated with citizen monitoring station 8NAR-4-LACA.
8-NAR047.69	VAN-F07L_NAR03A02	L,SS	YO20	0	451	S	41	356	IM	2	451	S	0	39	S					IN	0	S															Lake Anna, non-lacustrine. PCB water column sample. Colocated with citizen monitoring station 8NAR-6-LACA.
8-NAR052.59	VAN-F07L_NAR04A06	L,SS	YO15	0	1	W	0	1	W	0	1	W										IN															Lake Anna, non-lacustrine. PCB water column sample
8-NAR054.17	VAN-F07L_NAR04A06	L	YO15	0	208	S	24	152	IM	0	208	S	0	26	S						0	S															Lake Anna, non-lacustrine. Colocated with citizen monitoring station 8NAR-12-LACA.
8-NAR056.36	VAN-F07L_NAR04A06	L	YO15	0	5	S	0	5	S	0	5	S	0	1	W																						Lake Anna, non-lacustrine
8-NAR058.53	VAN-F07L_NAR04A06	L	YO15	0	16	S	0	15	S	0	16	S	2	8	IM						0	S															Lake Anna, non-lacustrine
8-NAR059.32	VAN-F07L_NAR04A06	L,SS	YO15	0	2	S	0	2	S	0	2	S	0	1	W							IN															Lake Anna, non-lacustrine. PCB water quality sample

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
York River Basin																																					
8-NAR061.09	VAN-F06R_NAR01A02	A,TR	YO12	0	33	S	0	32	S	1	33	S	9	33	IM																						
8-NAR063.15	VAN-F06R_NAR01A02	A,SS	YO12	0	1	W	0	1	W	0	1	W												IN													PCB sediment sample
8-NAR066.42	VAN-F06R_NAR02A04	A	YO12	0	12	S	0	12	S	0	12	S	9	12	IM						0	S															
8NAR-12-LACA	VAN-F07L_NAR04A06	CMON	YO15	0	83	S	0	82	S	0	79	S	0	21	S																						Lake Anna, non-lacustrine. Colocated with DEQ monitoring station 8-NAR054.17.
8NAR-1-LACA	VAN-F07L_NAR01A02	CMON	YO21	0	16	S	0	16	S	0	16	S	0	4	S																						Lacustrine Lake Anna - no algaecide. Colocated with DEQ monitoring station 8-NAR034.92.
8NAR-2-LACA	VAN-F07L_NAR02A02	CMON	YO21	0	80	S	0	80	S	0	76	S	0	20	S																						Lacustrine Lake Anna - no algaecide. Colocated with DEQ monitoring station 8-NAR037.22.
8NAR-35-LACA	VAN-F07L_NAR04A06	CMON	YO15	0	35	S	0	31	S	0	33	S	1	20	S																						Lake Anna, non-lacustrine
8NAR-3-LACA	VAN-F07L_NAR02A02	CMON	YO21	0	32	S	0	32	S	0	28	S	0	8	S																						Lacustrine Lake Anna - no algaecide. Colocated with DEQ monitoring station 8-NAR043.00.
8NAR-4-LACA	VAN-F07L_NAR02A02	CMON	YO20	0	80	S	0	80	S	0	80	S	0	20	S																						Lacustrine Lake Anna - no algaecide. Colocated with DEQ monitoring station 8-NAR044.68.
8NAR-6-LACA	VAN-F07L_NAR03A02	CMON	YO20	0	16	S	0	16	S	0	16	S	0	4	S																						Lake Anna, non-lacustrine. Colocated with DEQ monitoring station 8-NAR047.69.
8-NFD002.26	VAP-F05R_NFD01A00	A	YO10	0	12	S	0	12	S	0	12	S	8	12	IM																						
8-NIR003.96	VAN-F15R_NIR01A00	A,B,TR	YO38	0	38	S	0	37	S	0	36	S	2	35	S						0	S										IM					
8-NIR009.61	VAN-F15R_NIR02A02	A	YO38	0	10	S	0	10	S	0	10	S	1	10	S						0	S															
8-NIR012.99	VAN-F15L_NIR01A02	L,C	YO38	0	123	S	4	55	S	4	123	S	1	21	S						0	S					0	S	0	S		0	2	S	0	2	S	Ni Reservoir: sampled 2007, 2010, 2012. 2007 - not a complete monitoring year. 2010 and 2012 complete monitoring years - FS for chl a & TP (algaecide application)
8-NST003.46	VAN-F09R_NST02A98	A,C,TR	YO22	0	29	S	0	29	S	3	29	S	2	29	S						0	S					0	S	0	S							
8-NST011.60	VAN-F09R_NST04A08	A	YO22	0	11	S	0	11	S	1	11	S	3	11	IM																						
8-NTH001.02	VAN-F02R_NTH01A10	A	YO04	0	12	S	0	12	S	0	12	S	0	12	S						0	S															
8-NTH003.92	VAN-F02L_NTH01A06	L	YO04	0	34	S	0	21	S	2	34	S	0	7	S						0	S													1	IN	Northeast Creek Reservoir: sampled 2012 - FS for chl a (& TP)
8-NTH004.05	VAN-F02L_NTH01A06	C	YO04																							0	S	0	S							
8-OPP000.97	VAP-F13R_OPP01A14	TM	YO30	0	13	S	0	13	S	0	13	S																									
8-OWN000.48	VAN-F03R_OWN01A04	A,B	YO07	0	14	S	0	14	S	0	14	S	1	12	S						0	S										FS					
8-PCT000.76	VAN-F20R_PCT01A00	A,CB	YO48	0	5	S	1	5	IN	0	5	S																									Data collected by USGS
8-PCT002.29	VAN-F20R_PCT01A00	A,B,TR	YO48	0	33	S	4	33	IM	3	32	S	2	31	S																	IM					
8-PCT002.95	VAN-F20R_PCT01A00	FPM,B	YO48	0	2	S	0	2	S	0	2	S	0	1	W					IN					IN						J						Biological monitoring indicated an impacted benthic community; however, due to private property concerns and access problems at this location, follow-up monitoring will occur at a nearby site with access. An observed effect is noted.
8-PCT005.44	VAN-F20R_PCT01A00	A,SS	YO48	0	9	S	5	9	IM	0	9	S							0	S	0	S															
8-PCT006.34	VAN-F20R_PCT01A00	A,SS	YO48	0	8	S	5	8	IM	1	8	IN	1	1	W				0	S	0	S															
8-PCT010.10	VAN-F20R_PCT02A02	A,TM	YO48	0	21	S	0	21	S	3	21	IM	3	22	IM																						
8-PGN000.34	VAN-F07L_NAR03A02	L	YO20	0	20	S	0	20	S	0	20	S	0	2	S						0	S															Lake Anna, non-lacustrine. Colocated with citizen monitoring station 8PGN-7-LACA.
8PGN-7-LACA	VAN-F07L_NAR03A02	CMON	YO20	0	92	S	0	91	S	0	92	S	0	34	S																						Lake Anna, non-lacustrine. Colocated with DEQ monitoring station 8-PGN000.34.
8PHC-P12-LACA	VAN-F07R_PHC01A14	CMON	YO16	0	8	S	1	8	IN	0	8	S	4	4	IM																						Level II data: E. coli (2/5).
8-PLD001.73	VAP-F12R_PLD01A12	TM	YO28	0	12	S	0	12	S	8	12	IM	2	12	IM																						No new data since 2012 cycle
8-PLS001.28	VAN-F07R_PLS01A12	A,SS	YO17	0	1	W	0	1	W	0	1	W												IN													PCB sediment sample
8-PLT001.06	VAN-F07L_PLT01A04	L,SS	YO18	0	1	W	0	1	W	0	1	W										IN															Lake Anna, non-lacustrine. PCB water quality sample.
8-PLT002.82	VAN-F07R_PLT01A00	A,B,SS	YO18	0	14	S	0	14	S	0	14	S	3	12	IM						0	S			IN						FS						PCB sediment sample
8-PLT004.82	VAN-F07R_PLT01A00	SS	YO18																				IN													PCB sediment sample
8PLT-36-LACA	VAN-F07L_PLT01A04	CMON	YO18	0	46	S	0	46	S	2	42	S	1	24	S																						Lake Anna, non-lacustrine
8PLT-9-LACA	VAN-F07L_PLT01A04	CMON	YO18	0	96	S	0	95	S	4	88	S	0	24	S																						Lake Anna, non-lacustrine
8-PMC002.13	VAN-F07L_PMC01A04	L,SS	YO18	0	242	S	24	183	IM	0	242	S	0	26	S						0	S															Lake Anna, non-lacustrine. PCB water column sample.
8-PMC003.18	VAN-F07L_PMC01A04	L	YO18	0	1	W	0	1	W	0	1	W							1	O																	Lake Anna, non-lacustrine. PCB water column sample - OE
8-PMC007.15	VAN-F07L_PMC02A02	L,SS	YO16	0	27	S	0	23	S	4	27	IM	0	6	S						0	S															Lake Anna, non-lacustrine. PCB water column sample. Colocated with citizen monitoring station 8PMC-11-LACA.
8-PMC008.60	VAN-F07L_PMC02A02	L	YO16	0	1	W	0	1	W	0	1	W	0	1	W																						Lake Anna, non-lacustrine
8-PMC009.85	VAN-F07R_PMC01A00	A,TR,SS	YO16	0	32	S	0	31	S	0	32	S	16	31	IM											IN											PCB sediment sample
8-PMC014.75	VAN-F07R_PMC02A02	A,B	YO16	0	14	S	0	14	S	0	14	S	3	12	IM																IM						
8PMC-11-LACA	VAN-F07L_PMC02A02	CMON	YO16	0	84	S	0	77	S	0	84	S	2	21	S																						Lake Anna, non-lacustrine. Colocated with DEQ monitoring station 8-PMC007.15.
8PMC-38-LACA	VAN-F07L_PMC02A02	CMON	YO16	0	25	S	0	22	S	0	25	S	2	23	S																						Lake Anna, non-lacustrine
8PMC-8-LACA	VAN-F07L_PMC01A04	CMON	YO18	0	96	S	0	96	S	4	88	S	0	24	S																						Lake Anna, non-lacustrine
8PMC-LAB-DCR	VAN-F07L_PMC01A04	NONA	YO18										0	24	S																						Lake Anna, non-lacustrine
8PMC-P3-LACA	VAN-F07R_PMC01A00	CMON	YO16	0	9	S	0	9	S	0	9	S	3	4	IM																						Level II data: E. coli (0/5).
8PMC-P6-LACA	VAN-F07R_PMC02A02	CMON	YO16	0	9	S	0	9	S	0	9	S	2	4	IM																						Level II data: E. coli (0/5).

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
York River Basin																																					
8-PMK000.06	VAP-F14E_PMK07A04	C2	YO37		7	NA		7		0	7	W				0	1	W	0	IN	0	IN	0	S	0	S									1		WOE - 2008: Category 2A; HM-S scenario 3; 1 sample event; no data since 2010 cycle
8-PMK000.77	VAP-F14E_PMK07A04	SS	YO37		1	NA		1		0	1	W																									
8-PMK001.78	VAP-F14E_PMK06B06	C2	YO37		7	NA		7		0	7	W				0	1	W			0	S	0	S	0	S									3		WOE - 2007: Category 2A; LM-M scenario 2; 1 sample event; no data since 2010 cycle
8-PMK006.36	VAP-F14E_PMK06A00	CB,C,TR	YO37		300	NA		310		1	300	S				21	61	IM			0	S					1	O	1	IM					64		2008 FT: As 2 sp (longnose gar & blue crab), PCBs 2 sp (longnose gar, gizzard shad); high pH
8-PMK009.34	VAP-F14E_PMK06A00	C2	YO37		8	NA		8		0	8	W				0	1	W	0	IN	0	S	0	S	0	S									3		2009 WOE: Category 2A; OH Scenario 2; 1 sample event; no data since 2012 cycle
8-PMK017.90	VAP-F14E_PMK05B00	C2	YO37		13	NA		13		0	13	W				0	1	W			0	IN	1	O	0	S									1		One sample event; 2012 WOE category 5A scenario 1 (high potential due to multiple metal contamination of sed); ER-M zinc exceedance
8-PMK021.55	VAP-F14E_PMK05B00	C2	YO37		6	NA		6		0	6	W				0	1	W			0	IN	0	S	0	S									1		One sample event; 2012 WOE category 2A TF-S scenario 4
8-PMK021.58	VAP-F14E_PMK05B00	A,TM	YO37		12	NA		12		0	12	S				1	12	S																	6		
8-PMK025.87	VAP-F14E_PMK02A00	A,TM	YO36		12	NA		12		0	12	S	2	12	IM																						
8-PMK028.43	VAP-F14E_PMK02A00	TM	YO36		12	NA		12		0	12	S																									
8-PMK032.00	VAP-F14E_PMK02A00	C	YO36																								1	O	1	IM							2008 FT: As 2 sp (American shad & longnose gar) (OE), PCBs 5 sp (blue cat, channel cat, American shad, longnose gar, gizzard shad) - Hg impairment due to two 2003 exceedances
8-PMK034.17	VAP-F14E_PMK02A00	CB,TR	YO36		363	NA		357		6	363	S	7	70	S						0	S														
8-PMK034.37	VAP-F14E_PMK02A00	C2	YO36		2	NA		2		0	2	W	0	1	W				0	IN	0	IN	0	S	0	S									1		WOE - 2008: Category 3B; TF-M scenario 6 (probable effects from sed metals); 1 sample event; no data since 2010 cycle
8-PMK039.74	VAP-F13E_PMK02A98	A	YO34		12	NA		12		0	12	S	2	12	IM																					
8-PMK044.64	VAP-F13E_PMK02A98	A,TM	YO34		12	NA		12		0	12	S	0	12	S																					
8-PMK048.80	VAP-F13E_PMK02A98	A,TM,TR	YO34		29	NA		29		0	29	S	4	29	IM																				6	
8-PMK051.83	VAP-F13E_PMK01A98	A,B,CR	YO31		5	NA		5		0	5	S																			IN						2007-2009 benthics; no new data since 2012 cycle
8-PMK053.39	VAP-F13E_PMK01A98	A,B,CR	YO31		7	NA		7		0	7	S																			IN						2007-2010 benthics; no new data since 2012 cycle
8-PMK056.87	VAP-F13E_PMK01A98	A,B,C,TR	YO31		56	NA		56		1	56	S	6	38	IM												1	O	1	IM	IN				12		2008 FT: Hg 1 sp (blue catfish), PCBs 4 sp (blue cat, channel cat, carp, gizzard shad); Hg impairment due to three additional 2003 exceedances; 2007-2010 benthics
8-PMK072.34	VAP-F12R_PMK01A00	A,TM	YO29	0	12	S	0	12	S	0	12	S	1	12	S																					
8-PMK082.34	VAP-F12R_PMK01B08	A,C,CB,TM,TR	YO27	0	142	S	0	139	S	2	141	S	2	24	S						0	S					0	S	0	S							Trend Station - increasing alkalinity, temp, DO sat, TN, TSS; 2008 FT: metals ok, PCBs ok
8-PMK088.11	VAP-F12R_PMK01B08	A,TM	YO27	0	24	S	0	24	S	1	24	S	2	24	S																					
8-PMK088.14	VAP-F12R_PMK01B08	FPM,B	YO27	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S									FS						2012 benthics
8-PMK092.12	VAP-F12R_PMK01B08	FPM,B	YO27	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S	0	S							FS						2010 sed; no new data since 2012 cycle
8-PNI002.43	VAN-F17R_PNI01A10	A,TM	YO42	0	33	S	0	33	S	1	33	S	5	34	IM						0	S															
8-PON000.35	VAP-F13R_PON01A02	TM	YO30	0	13	S	0	13	S	0	13	S																									
8-POR004.13	VAN-F16R_POR01A10	A,TM	YO41	0	22	S	0	22	S	0	22	S	3	23	IM						0	S															
8-POR008.97	VAN-F16R_POR01B02	A,B,CB	YO41	0	77	S	3	77	S	0	76	S	3	71	S						0	S									FS						
8-POR015.70	VAN-F16R_POR01C06	FPM,B	YO39	0	2	S	0	2	S	0	2	S	0	1	W					IN	0	S									J						Biological monitoring indicated an impacted benthic community; however, due to private property concerns and access problems at this location, follow-up monitoring will occur at a nearby site with access. An observed effect is noted.
8-POR016.04	VAN-F16R_POR01C06	A	YO39	0	11	S	0	11	S	1	11	S	1	11	S																					
8-POR024.64	VAN-F16R_POR02B10	FPM,B	YO39	0	2	S	0	2	S	0	2	S	0	1	W					IN	0	S		IN							FS						
8-PTB000.43	VAT-F26E_PTN01A08	C2	YO65					2	IM	0	0	IN				0	1	IN																		No data since 2010 cycle; YRKMH
8-QEN002.47	VAT-F26E_QEN01A02	A,TR	YO67					34	IM	0	34	S				10	33	IM																		YRKMH
8-QEN005.62	VAT-F26E_QEN01A02	C	YO67																								0	S	5	IM							08-IM Ftox_PCB Blue Crab, White Catfish, White Perch, Gizzard Shad 1 and 2
8-QEN007.02	VAT-F26L_QEN01A06	L	YO67	0	69	S	1	20	IM	0	69	S	0	7	S						0	S												0	1		Waller Mill pooled nutrient data: Chlorophyll a (0 viol / 1 obs) IN 2010 (no algaecide application). Waller Mill pooled DO and pH data: DO (10 viol / 77 obs) IM, pH (0 viol / 185 obs) S 2010. Water Toxics: NH3 = S.
8-QEN007.22	VAT-F26L_QEN01A06	L	YO67	0	38	S	5	21	IM	0	38	S	0	6	S						0	S															Waller Mill pooled DO and pH data: DO (10 viol / 77 obs) IM, pH (0 viol /185 obs) S 2010. Water Toxics: NH3 = S.
8-QEN007.65	VAT-F26L_QEN01A06	L	YO67	0	55	S	3	23	IM	0	55	S	0	7	S						0	S															Waller Mill pooled DO and pH data: DO (10 viol / 77 obs) IM, pH (0 viol /185 obs) S 2010. Water Toxics: NH3 = S.
8-QEN008.58	VAT-F26L_QEN01A06	L	YO67	0	23	S	1	13	IM	0	23	S	0	4	S						0	S															Waller Mill pooled DO and pH data: DO (10 viol / 77 obs) IM, pH (0 viol /185 obs) S 2010. Water Toxics: NH3 = S.
8QEN-COLOQCUT1-NPSN	VAT-F26E_QEN01A02	NONA	YO67					5	IM																											National Park Service Northeast Coastal & Barrier Network, ChesBay Analysis CBPSEG: YRKMH.
8-RDB001.72	VAN-F02R_RDB01A04	A	YO03	0	11	S	0	10	S	0	11	S	6	11	IM																					
8-RDB003.36	VAN-F02R_RDB01A04	FPM,B	YO03	0	2	S	0	2	S	0	2	S	0	1	W					IN	0	S									FS						
8-RDY003.43	VAN-F21R_RDY02A10	A,B,C	YO49	0	25	S	0	25	S	0	25	S	3	23	IM						0	S					3	IM	0	S	IM						FTM: IM for Hg (2008; CFYW, SFBG, SFRB).
8-RIG003.01	VAN-F07R_RIG01A02	FPM,B	YO17	0	2	S	0	2	S	0	2	S	0	1	W				0	IN	0	S		IN							FS						Water metal data pooled with 8-RIG004.13.

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
York River Basin																																					
8-RIG004.13	VAN-F07R_RIG01A02	FPM,B	YO17	0	2	S	0	2	S	0	1	W	0	1	W				0	IN		IN									FS							Water metal data pooled with 8-RIG003.01.
8RIG-T10A-LACA	VAN-F07R_RIG01A02	CMON	YO17	0	9	S	0	9	S	1	9	IN	2	4	IM																							Level II data: E. coli (1/5).
8RIG-T12-LACA	VAN-F07R_RIG01A02	CMON	YO17	0	9	S	0	9	S	0	9	S	2	4	IM																							Level II data: E. coli (2/5).
8ROC-T5-LACA	VAN-F07R_ROC01A10	CMON	YO17	0	9	S	0	9	S	0	9	S	4	4	IM																							Level II data: E. coli (3/5).
8ROC-T8-LACA	VAN-F07R_ROC01A10	CMON	YO17	0	9	S	0	9	S	0	9	S	3	4	IM																							Level II data: E. coli (2/5).
8-ROT001.09	VAN-F22R_ROT01A06	A,B	YO52	0	19	S	0	18	S	3	19	IM	4	18	IM																FS							
8-ROT003.65	VAN-F22R_ROT01A06	A,TM	YO52	0	11	S	1	11	S	5	11	IM	1	11	S																							
8-SAR001.11	VAP-F04R_SAR03A98	A,CB,TR	YO11	0	49	S	0	49	S	1	49	S	9	37	IM																							Trend Station - increasing temp, DO, pH, TN
8-SAR021.22	VAP-F04R_SAR01A98	A,B,C	YO11	0	14	S	0	14	S	14	2	S	6	12	IM														1	O	1	O	FS							2008 FT: pest ok, Hg 1 sp (Fallfish), PCBs 1 sp (American eel); 2010 benthics
8-SAR035.05	VAN-F03R_SAR01A06	A,TR	YO09	0	34	S	0	33	S	0	34	S	4	33	IM																							
8-SAR058.13	VAN-F03R_SAR02B10	FPM,B	YO05	0	2	S	0	2	S	0	2	S	0	1	W					IN		0 S		IN							FS							
8-SAR068.57	VAN-F03R_SAR03A06	A,TR	YO05	0	33	S	0	32	S	0	33	S	4	33	IM																							
8-SAR070.96	VAN-F02R_SAR01A00	A,CR	YO04	0	6	S	0	6	S	0	6	S	2	6	IM							0 S																
8-SAR076.10	VAN-F02R_SAR01A00	A,B	YO04	0	2	S	0	2	S	0	2	S																			J							Fully supporting with observed effects. Dry conditions most of 2012. Site revisit recommended.
8-SAR089.35	VAN-F02R_SAR02A00	A,TR	YO03	0	33	S	1	32	S	0	33	S	8	33	IM																							
8-SAR097.82	VAN-F01R_SAR02A02	A,B,C,SS,CR	YO01	0	22	S	0	22	S	0	21	S	7	19	IM					IN		0 S		IN					0	S	1	O	IM							FTT: OE for PCBs (2008; EELA).
8-SAR101.03	VAN-F01R_SAR02B10	A,SS,CR	YO01	0	11	S	0	11	S	0	11	S	5	11	IM							0 S																
8SAR-F01A-HGSI	VAN-F01R_SAR01A02	CMON	YO01	0	12	S	0	3	S	0	12	IN																										Level II data: DO (0/9).
8SAR-F01B-HGSI	VAN-F01R_SAR01A02	CMON	YO01	0	12	S	0	3	S	0	12	IN																										Level II data: DO (0/8).
8SAR-F02C-HGSI	VAN-F02R_SAR01A00	CMON	YO04	0	10	S	0	2	S	0	11	IN																										Level II data: DO (0/9).
8SAR-F02-HGSI	VAN-F02R_SAR02A00	CMON	YO03	0	11	S	0	2	S	0	11	IN																										Level II data: DO (0/9).
8SAR-F03A-HGSI	VAN-F03R_SAR02A02	CMON	YO05	0	13	S	0	4	S	0	13	IN																										Level II data: DO (0/9).
8SAR-F03B-HGSI	VAN-F03R_SAR01A06	CMON	YO07	0	8	S	0	6	IN	0	8	IN																										
8-SHC001.59	VAP-F04R_SHC01A12	FPM,B	YO11	0	2	S	0	2	S	0	2	S	1	1	W				0	IN	0	S	0	S							IN							2010 sed; 2010 Probmon; no new data since 2012 cycle
8-SLD-3-RMC	VAP-F12R_SLD01A04	CMON	YO27										0	8	IN																							Level 2 data - Randolph Macon College - co-located with 8-SLD002.15? - no data since 2010 cycle
8-SLD-7-RMC	VAP-F12R_SLD01A04	CMON	YO27										0	12	IN																							Level 2 data - Randolph Macon College
8-SLN001.46	VAP-F13R_SLN01A00	TM	YO29	0	12	S	5	12	IM	6	11	IM																										No data since 2012 cycle
8-SLN003.07	VAP-F13R_SLN01A00	TM	YO29	0	12	S	2	12	IM	6	11	IM																										No data since 2012 cycle
8-STG000.73	VAP-F04R_STG01A06	FPM,B	YO11	0	2	S	0	2	S	1	2	IN	0	1	W				0	IN	0	S	0	S							FS							2009 Probmon; no new data since 2012 cycle
8-STH004.37	VAN-F19R_STH01A00	A,TR	YO46	0	29	S	0	29	S	0	28	S	2	29	S						0	S																
8-STH010.79	VAN-F19R_STH03A08	A	YO46	0	11	S	1	11	S	0	11	S	0	11	S																							
8-TAR002.40	VAN-F18R_TAR01A00	A	YO44	0	11	S	2	11	IM	2	11	IM	0	11	S						0	S																
8-THK000.09	VAN-F07R_THK01A02	A,SS	YO16	0	1	W	0	1	W	0	1	W													IN													PCB sediment sample
8THK-P10-LACA	VAN-F07R_THK01A02	CMON	YO16	0	9	S	0	9	S	0	9	S	4	4	IM																							Level II data: E. coli (3/5).
8-TLR005.50	VAN-F03R_TLR01A00	A	YO08	0	11	S	0	11	S	0	11	S	0	11	S																							
8TLR-TAY2-ALL	VAN-F03R_TLR01A00	CMON	YO08	0	11	S	0	11	S	0	11	S	0	3	IN																							
8-TPT000.79	VAP-F13R_TPT01A98	TM	YO30	0	13	S	0	13	S	0	13	S																										
8-TPT004.37	VAP-F13R_TPT01A98	A,TM	YO30	0	27	S	0	27	S	3	27	IM	2	12	IM						0	S																
8-TPT006.97	VAP-F13R_TPT01A98	TM	YO30	0	13	S	6	13	IM	0	13	S																										
8-TPT009.17	VAP-F13R_TPT01A98	TM	YO30	0	13	S	4	13	IM	0	13	S																										
8-TPT010.77	VAP-F13R_TPT02A14	TM	YO30	0	13	S	0	13	S	0	13	S																										
8-TPT012.77	VAP-F13R_TPT02A14	TM	YO30	0	13	S	0	13	S	0	13	S																										
8-TPT013.57	VAP-F13R_TPT02A14	TM	YO30	0	13	S	0	13	S	0	13	S																										
8-TPT015.04	VAP-F13R_TPT02A14	TM	YO30	0	13	S	1	13	S	0	13	S																										
8-TPT016.30	VAP-F13R_TPT02A14	TM	YO30	0	13	S	2	13	IM	0	13	S																										
8-TPT-RICH-05-NPS	VAP-F13R_TPT01A98	NONA	YO30	0	11	S	1	11	S	0	10	S																										NPS - level 3
8-TRY000.98	VAN-F07L_TRY01A04	L	YO17	0	1	W	0	1	W	0	1	W	0	1	W																							Lake Anna, non-lacustrine
8-TRY001.33	VAN-F07L_TRY01A04	C	YO17																										0	S	12	IM							FTT: (2008; BSLM, CARP 1-2, 4-6, CFBN, CFCH, PCWH, SDGZ 1-2, SFBG). Lake Anna, non-lacustrine
8-TRY001.39	VAN-F07L_TRY01A04	L,SS	YO17	0	17	S	0	14	S	5	17	IM	0	5	S							1 O																Lake Anna, non-lacustrine. PCB water column sample - 1 OE. Colocated with citizen monitoring station 8TRY-10-LACA.
8-TRY001.91	VAN-F07L_TRY01A04	L	YO17	0	1	W	0	1	W	0	1	W	0	1	W																							Lake Anna, non-lacustrine
8-TRY002.52	VAN-F07L_TRY01A04	L,SS	YO17	0	1	W	0	1	W	0	1	W	0	1	W							IN																Lake Anna, non-lacustrine. PCB water column sample.
8-TRY003.30	VAN-F07L_TRY01A04	L	YO17	0	1	W	0	1	W	0	1	W	0	1	W																							Lake Anna, non-lacustrine
8-TRY003.46	VAN-F07R_TRY01A00	A,SS	YO17	0	1	W	0	1	W	0	1	W	0	1	W							IN																PCB water column sample.
8-TRY004.98	VAN-F07R_TRY01A00	A,TM,SS	YO17	0	21	S	0	21	S	0	21	S	4	20	IM						0	S			IN													PCB sediment sample
8-TRY006.72	VAN-F07R_TRY02A02	A,TM	YO17	0	7	S	0	7	S	0	7	S	1	7	IN						0	S																
8-TRY010.80	VAN-F07R_TRY03A08	A,TM	YO17	0	8	S	0	8	S	0	8	S	2	8	IM						0	S																
8TRY-10-LACA	VAN-F07L_TRY01A04	CMON	YO17	0	95	S	0	90	S	0	95	S	0	24	S																							Lake Anna, non-lacustrine. Colocated with DEQ monitoring station 8-TRY001.39.
8TRY-37-LACA	VAN-F07R_TRY01A00	CMON	YO17	0	27	S	0	25	S	0	26	S	3	22	IM																							

Appendix 10 – Water Quality Monitoring Stations List

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
York River Basin																																					
8TRY-T1-LACA	VAN-F07R_TRY01A00	CMON	YO17	0	9	S	1	9	IN	0	9	S	2	4	IM																						Level II data: E. coli (1/5).
8TRY-T3-LACA	VAN-F07R_TRY02A02	CMON	YO17	0	9	S	0	9	S	0	9	S	4	4	IM																						Level II data: E. coli (0/5).
8TRY-T6-LACA	VAN-F07R_TRY03A08	CMON	YO17	0	9	S	0	9	S	0	9	S	1	4	IN																						Level II data: E. coli (1/5).
8-TST001.35	VAP-F25R_TST01A98	TM	YO61	0	23	S	2	23	S	0	23	S	2	12	IM																						No E. coli data since 2010 cycle
8-TST001.81	VAP-F25R_TST01A98	SS	YO61	0	12	S	1	12	S	0	12	S	1	12	S																						No data since 2010 cycle
8-TST003.16	VAP-F25R_TST01B10	TM	YO61	1	12	S	2	12	IM	0	12	S	1	12	S																						No data since 2010 cycle
8WCW-COLOWCWB1-NPSN	VAT-F27E_WOR01A08	NONA	YO69					6	IM																												National Park Service Northeast Coastal & Barrier Network, ChesBay Analysis CBPSEG: YRKPH.
8-WEB002.00	VAP-F13R_MNQ01A98	TM	YO32	0	12	S	0	12	S	4	12	IM																									No new data since 2012 cycle
8-WHT001.33	VAN-F06R_WHT01A14	A	YO14	0	12	S	0	12	S	0	12	S	8	12	IM																						
8-WKN000.42	VAP-F23R_WKN02A12	TM	YO57	0	23	S	0	23	S	2	23	S	0	11	S																						No E. coli data since 2012 cycle
8-WKN003.16	VAP-F23R_WKN01A00	A	YO57	0	11	S	3	11	IM	4	11	IM											0	S													
8-WLR000.26	VAN-F01R_WLR01A04	A,B,SS	YO02	0	8	S	0	8	S	0	8	S	3	6	IM								0	S							FS						
8-WLR000.31	VAN-F01R_WLR01B10	A,B,SS	YO02	0	23	S	0	22	S	0	23	S	13	19	IM																IM						
8WLR-F02B-HGSI	VAN-F01R_WLR01A04	CMON	YO02	0	11	S	0	2	S	0	11	IN																									Level II data: DO (0/9).
8-WOR000.35	VAT-F27E_WOR01A08	C	YO69																									0	S	2	IM						08-IM FTox_PCB Croaker, Gizzard Shad
8-X**-F-RMC	VAP-F12R_ZZZ01A14	CMON	YO27										1	1	W																						Level 2 data - Randolph Macon College - no new data since 2012 cycle
8-X**-G-RMC	VAP-F12R_ZZZ01A14	CMON	YO27										0	1	W																						Level 2 data - Randolph Macon College - no new data since 2012 cycle
8-X**-H-RMC	VAP-F12R_ZZZ01A14	CMON	YO27										1	1	W																						Level 2 data - Randolph Macon College - no new data since 2012 cycle
8-X**-I-RMC	VAP-F12R_ZZZ01A14	CMON	YO27										1	1	W																						Level 2 data - Randolph Macon College - no new data since 2012 cycle
8-XBS000.17	VAP-F13R_XBS01A14	TM	YO30	0	13	S	1	13	S	0	13	S																									
8-XDM000.50	VAP-F14R_XDM01A00	A	YO36	0	12	S	1	12	S	1	12	S											0	S													
8-XDN000.12	VAP-F23R_XDN01A00	TM	YO58	0	25	S	0	25	S	1	25	S	1	11	S																						
8-XDW000.67	VAP-F13R_XDW01A08	SS	YO31	0	12	S	1	12	S	4	11	IM	2	12	IM																						No new data since 2012 cycle
8-XDX000.38	VAP-F13R_XDX01A04	SS	YO31	0	12	S	0	12	S	2	11	IM	3	12	IM																						No new data since 2012 cycle
8-XEF-9-RMC	VAP-F12R_XEF01A06	CMON	YO27										0	8	IN																						Level 2 data - Randolph Macon College - no data since 2010 cycle
8-XEG000.06	VAP-F12R_XEG01A06	TM	YO27	0	12	S	2	12	IM	2	12	IM	4	12	IM																						No data since 2010 cycle - DO and pH were both FS (2/24)
8-XEG-13-RMC	VAP-F12R_XEG01A06	CMON	YO27										4	12	IN/O																						Level 2 data - Randolph Macon College - no data since 2010 cycle
8-XEG-15A-RMC	VAP-F12R_XEG01A06	CMON	YO27										1	1	W																						Level 2 data - Randolph Macon College - no data since 2010 cycle
8-XEG-15B-RMC	VAP-F12R_XEG01A06	CMON	YO27										1	1	W																						Level 2 data - Randolph Macon College - no data since 2010 cycle
8-XEG-15-RMC	VAP-F12R_XEG01A06	CMON	YO27										14	24	IN/O																						Randolph Macon College - level 2
8-XEG-2-RMC	VAP-F12R_XEG01A06	CMON	YO27										4	16	IN/O																						Level 2 data - Randolph Macon College
8-XEG-D-RMC	VAP-F12R_XEG01A06	CMON	YO27										0	1	W																						Level 2 data - Randolph Macon College - no data since 2010 cycle
8-XEG-E-RMC	VAP-F12R_XEG01A06	CMON	YO27										1	1	W																						Level 2 data - Randolph Macon College - no data since 2010 cycle
8-XEM-11-RMC	VAP-F12R_XEM01A08	CMON	YO27										0	8	IN																						Level 2 data - Randolph Macon College - no data since 2010 cycle
8-XFK-12-RMC	VAP-F12R_XFK01A08	CMON	YO27										1	8	IN																						Level 2 data - Randolph Macon College - no data since 2010 cycle
8-XHS000.49	VAP-F09R_XHS01A08	TM,B	YO26	0	29	S	0	28	S	0	29	S											0	S							IM						2011 and 2012 benthics
8-XHS000.72	VAP-F09R_XHS01A08	SS	YO26	0	2	S	0	2	S	0	2	S											0	IN													
8-XIE000.27	VAN-F02R_XIE01A08	A,CR	YO04	0	2	S	0	2	S	0	2	S	1	2	IN								0	S													
8-XIE000.40	VAN-F02R_XIE01A08	A,CR	YO04	0	2	S	0	2	S	0	2	S	1	2	IN								0	S													
8-XIM000.53	VAP-F09R_XIM01A10	FPM,B	YO26	0	2	S	0	2	S	2	2	IM	0	1	W				0	S	0	S	0	S							IN						PWS; 2008 Probmon; 2 ok NO3 samples; no data since 2010 Cycle
8-XIN001.00	VAP-F25R_XIN01A10	TM	YO61	0	12	S	0	12	S	0	12	S	3	12	IM																						No data since 2010 cycle
8-XIO000.12	VAP-F25R_XIO01A10	TM	YO61	0	12	S	0	12	S	0	12	S	1	12	S																						No data since 2010 cycle
8-XIV000.38	VAP-F13R_MHX01A12	TM	YO29	0	12	S	0	12	S	4	11	IM																									No new data since 2012 cycle
8-XIW000.42	VAP-F13R_XIW01A12	TM	YO35	0	20	S	0	20	S	0	20	S	3	11	IM																						
8-XJA001.73	VAN-F07R_XJA01A12	A,SS	YO16	0	1	W	0	1	W	0	1	W													IN												PCB sediment sample
8-XJB000.47	VAN-F21R_XJB01A12	FPM	YO55	0	2	S	1	2	IN	1	2	IN	0	1	W					IN		0	S		IN												
8-XJC001.12	VAP-F12R_XJC01A12	TM	YO28	0	12	S	0	12	W	5	12	IM	5	12	IM																						No new data since 2012 cycle
8-XJD000.02	VAP-F14R_XJD01A12	TM	YO36	0	11	S	1	11	S	5	11	IM	4	12	IM																						
8-XJE000.48	VAN-F11R_XJE01A14	FPM,B	YO24	0	2	S	0	2	S	0	2	S	0	1	W					IN		0	S									FS					
8-XJF000.27	VAN-F09R_XJF01A14	FPM,B	YO22	0	2	S	0	2	S	0	2	S	0	1	W					IN		0	S		IN							IN						Borderline swamp with very deep channel resulting in insufficient sample size, and, therefore, an invalid sample. Location is on private property and very difficult to access.
8-XJG000.08	VAP-F23R_XJG01A14	TM	YO58	0	12	S	0	12	S	0	12	S	5	12	IM																						
8XJK-10-NPS	VAN-F15R_XJK01A12	NONA	YO38	0	31	S	0	31	S	0	31	S																									

STATION ID	Assessment Unit ID (ID305B)	STATION TYPE	VAHU6	CONVENTIONAL WATER COLUMN DATA									BACTERIA						WATER COLUMN				SEDIMENT				FISH TISSUE				BENTHIC	NUTRIENTS *						COMMENTS
				Temperature			Dissolved oxygen			pH			E. coli			Enterococci			Metals		Other Toxics		Metals		Other Toxics		Metals		Other Toxics		BioMon	Total Phosphorous			Chlorophyll a			
				Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Samples	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Exceed	Status	Status	Exceed	Samples	Status	Exceed	Samples	Status	
York River Basin																																						
8XJK-13-NPS	VAN-F15R_XJK01A12	NONA	YO38	0	2	S	0	2	S	0	2	S																										
8XJK-18-NPS	VAN-F15R_XJK01A12	NONA	YO38	0	31	S	0	31	S	0	31	S																										
8XJL-11-NPS	VAN-F15R_XJL01A12	NONA	YO38	0	30	S	1	30	S	0	30	S																										
8XJM-02-NPS	VAN-F15R_XJM01A12	NONA	YO38	0	30	S	9	30	IM	2	33	S																										
8XJN-09-NPS	VAN-F15R_XJN01A12	NONA	YO38	0	31	S	0	31	S	0	31	S																										
8-XJP000.01	VAP-F09R_XJP01A14	TM	YO26	0	2	S	0	2	S	1	2	IN																										
8-XJW-14-RMC	VAP-F12R_XJW01A14	CMON	YO27										4	12	IN/O																							Level 2 data - Randolph Macon College - no data since 2010 cycle
8-XJW-16A-RMC	VAP-F12R_XJW01A14	CMON	YO27										2	3	IN/O																							Level 2 data - Randolph Macon College - no new data since 2012 cycle
8-XJW-16-RMC	VAP-F12R_XJW01A14	CMON	YO27										18	24	IN/O																							Level 2 data - Randolph Macon College
8-YRK001.64	VAT-F27E_YRK02C00	A,CB,TR	YO69					852	IM	0	822	S				0	64	S																				YRKPH
8-YRK005.93	VAT-F27E_YRK02A00	C,CB,TR	YO69																										1	O								08-OE Ftox PCBs-08 Bluefish & Croaker;WTOX=NHx; YRKPH
8-YRK011.14	VAT-F27E_YRK01A00	A,TR	YO68					1017	IM	0	994	S				0	65	S																				YRKPH
8-YRK016.57	VAT-F26E_YRK03A00	C	YO66																								0	S	3	IM								08-IM FTox_PCB Croaker, White Perch, Gizzard Shad
8-YRK022.70	VAT-F26E_YRK03A00	A,C,CB,TR	YO65					612	IM	0	587	S				0	65	S									0	S	1	O								2008 -OE Ftox_PCB in Spot; YRKMH
8-YRK031.39	VAT-F26E_YRK01A04	A,CB,TR	YO63					340	IM	0	325	S				7	63	IM																				YRKMH
8-YRK031.48	VAT-F26E_YRK01E14	C	YO63																								0	S	3	IM								08 -IM FTox_PCB Croaker,Gizzard Shad & Long Nose Gar
LE4.1	VAT-F26E_YRK03A00	CB	YO65					2	IM																													Collected by ODU under contract for DEQ, Chesapeake Bay, DO Impaired, ChesBay Analysis CBPSEG: YRKMH.
LE4.3	VAT-F27E_YRK02A00	CB	YO69					2	IM																													Collected by ODU under contract by DEQ, Chesapeake Bay, DO IN/O, ChesBay Analysis CBPSEG: YRKPH.
LE4.3B	VAT-F27E_YRK02A00	CB	YO69					2	IM																													Collected by ODU under contract by DEQ, Chesapeake Bay, DO Impaired, ChesBay Analysis CBPSEG: YRKPH.
MOB006.12	VACB-R01E-MOB	CB	YO69		176			176		0	176	S																										VIMS Shallow Water Monitoring Program
PMK012.18	VAP-F14E_PMK06A00	NONA	YO37		728	NA		728		0	1855	S																										VIMS ConMon - plus 0/728 instantaneous pH
PMK034.00	VAP-F14E_PMK02A00	NONA	YO36		1108	NA		1108		0	1880	S																										VIMS ConMon - plus 0/1108 instantaneous pH
RET4.1	VAP-F14E_PMK06A00	NONA	YO37		118	NA		118																									33			40		VECOS
RET4.2	VAP-F25E_MPN05A00	NONA	YO61		131	NA		129																									31			46		VECOS
RET4.3	VAT-F26E_YRK01B10	NONA	YO63					2	IM																													Collected by ODU, Chesapeake Bay, DO IN/O, ChesBay Analysis CBPSEG: YRKMH.
TF4.2	VAP-F14E_PMK02A00	NONA	YO36		1	NA		2																														ODU
TF4.2	VAP-F14E_PMK02A00	NONA	YO36		132	NA		130																									35			46		VECOS
TF4.4	VAP-F23E_MPN03A06	NONA	YO57		132	NA		130																									34			43		VECOS
TSK000.23	VAT-F26E_TSK01A00	NONA	YO65					1205	IM	9	1867	S																										Collected by VIMS, CONMON used for pH, ChesBay Analysis CBPSEG: YRKMH.
VA482894	VAT-F27E_YRK01D06	VDHB	YO69													0	19	S																				Monthly geometric mean used for beach bacteria data. YRKPH.
VA714367	VAT-F27E_YRK01E06	VDHB	YO69													0	21	S																				Monthly geometric mean used for beach bacteria data. YRKPH.
WE4.2	VACB-R01E-MOB	CB	YO69		478			190		0	478	S																										22/190 DO measurements
YRK000.79	VACB-R01E-MOB	CB	YO69		327			327		0	327	S																										VIMS Shallow Water Monitoring Program; 50/327 DO measurements < 5.0 mg/l
YRK004.26	VAT-F27E_YRK02A00	NONA	YO69							0	711	S																										Collected by VIMS, CONMON used for pH, ChesBay Analysis CBPSEG: YRKPH.
YRK005.40	VAT-F27E_YRK02A00	NONA	YO69					1804	IM	0	2146	S																										Collected by VIMS, CONMON used for pH, ChesBay Analysis CBPSEG: YRKPH.
YRK015.09	VAT-F26E_YRK03A00	NONA	YO66					1210	IM	7	1980	S																										Collected by VIMS, CONMON used for pH, ChesBay Analysis CBPSEG: YRKMH.

* For lake/reservoir NUTRIENTS (i.e. Total Phosphorus or Chlorophyll a), "Exceed" refers to the number of exceedences per monitoring year (April-October) and "Samples" represent the number of monitoring years. A minimum of two monitoring years are required to make a supporting (S) or impaired (IM) assessment determination. Less than two full monitoring years result in an insufficient (IN) determination. Also, nutrients are only assessed in lakes listed in Section 187 of the WQS if there is documented algaecide use.

NOTE: Values in VAHU6 refer to the 6th order watershed in version 4 of Virginia's portion of the National Watershed Boundary Dataset.