NEVADA GOLDFIELDS INC.

BARITE HILL PROJECT

Highway 221 & State Road 33-162
P.O. Box 1510
McCormick, South Carolina 29835
Phone 803/465-3321 Fax 803/465-4308

RECEIVED
NOV 29 1995
WATER QUALITY ASSESSMENT
AND ENFORCEMENT DIVISION

November 28, 1995

Enforcement Division
S.C. Dept. of Health and Environmental Control
2600 Bull Street
Columbia, SC 29201

To Whom it May Concern:

Enclosed are the monitor well results for the third quarter of 1995. The results are being submitted in accordance with construction permit #16,225, Condition 3. No problems were noted with the wells sampled.

If you have any questions, please contact me at (803) 443-2222.

Sincerely,

Scott A. Wilkinson
Project Manager

Davis & Floyd, Inc.

Laboratory Analysis Report

Work Order # 95-09-215

Received: 09/20/95

10/03/95 08:57:13

REPORT NEVADA GOLDFIELDS, INC.
TO P.O. BOX 1530
McCORMICK, SC 29835

ATTEN JEAN WHISNANT

PREPARED DAVIS & FLOYD, INC.
BY P.O. DRAWER 428
GREENWOOD, SC 29648

PHONE (803)-229-5211

CERTIFIED BY

JOHN MCCORD

WORK ID JOB NO. 7561.00
P.O. # N/A
TAKEN DAVIS & FLOYD, INC./WSB
TYPE GROUNDWATER
NUMBER OF SAMPLES 2

Comments:
WE ARE PLEASED TO PROVIDE THIS CERTIFIED REPORT OF ANALYSES. FEEL FREE TO TELEPHONE IF FURTHER EXPLANATION IS REQUIRED. UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SAMPLES WILL BE DISPOSED OF OR RETURNED 14 DAYS FROM THE DATE OF THIS REPORT.

SAMPLE IDENTIFICATION	DATE COLLECTED
01 GW-1	09/20/95 13:15:00
02 GW-2	09/20/95 12:38:00

RECEIVED
NOV 29 1995
WATER QUALITY ASSESSMENT
AND ENFORCEMENT DIVISION

Davis & Floyd, Inc.

Laboratory Analysis Report

Work Order # 95-09-215

Received: 09/20/95 10/03/95 08:57:13

Test Description	Units	01 GW-1	02 GW-2
GROUNDWATER ELEVATION	Feet Above MSL	NA	NA
pH (FIELD ANALYSIS)	pH units	4.8	2.9
SPECIFIC CONDUCTANCE (FLD)	micromhos/cm	128	4460
TEMPERATURE	Degrees C	19	20
SILVER (TOTAL)	mg/l	< 0.010	< 0.010
ALUMINUM (TOTAL)	mg/l	2.32	390.
BARIUM (TOTAL)	mg/l	0.090	0.040
CALCIUM (TOTAL)	mg/l	3.24	18.3
CADMIUM (TOTAL)	mg/l	< 0.0050	3.278
CHROMIUM (TOTAL)	mg/l	< 0.010	2.14
COPPER (TOTAL)	mg/l	0.067	36.9
COPPER (DISSOLVED)	mg/l	0.060	29.8
IRON (TOTAL)	mg/l	4.49	598
POTASSIUM (TOTAL)	mg/l	< 2.0	7.93
MAGNESIUM (TOTAL)	mg/l	2.95	73.1
MANGANESE (TOTAL)	mg/l	0.130	4.05
SODIUM (TOTAL)	mg/l	3.66	3.46
NICKEL (TOTAL)	mg/l	< 0.020	6.80
ZINC (TOTAL)	mg/l	0.110	55.4
MERCURY (TOTAL)	mg/l	< 0.00020	0.00023
ARSENIC (TOTAL)	mg/l	< 0.0050	< 0.050 X
LEAD (TOTAL)	mg/l	< 0.0050	0.1469
SELENIUM (TOTAL)	mg/l	< 0.0050	< 0.050 X
ORGANIC CARBON TOTAL	mg/l	1.3	8.2
ALKALINITY BICARBONATE	mg/l	< 1.0	< 1.0

Davis & Floyd, Inc.

Laboratory Analysis Report

Received: 09/20/95

10/03/95 08:57:13

Work Order # 95-09-215

Continued From Above

Test Description	Units	01 GW-1	02 GW-2
CHLORIDE	mg/l	4.32	4.3
SULFATE	mg/l	20.5	3220
AMMONIA NITROGEN	mg/l	0.23	< 0.10
NITRATE NITROGEN (by IC)	mg/l	0.65	0.10
CYANIDE (TOTAL)	mg/l	< 0.0050	< 0.0050
DISSOLVED SOLIDS TOTAL	mg/l	218	5470

9509215

DAVIS & FLOYD

Chain of Custody Form

816 East Durst Street, Greenwood, S.C. 29649 Phone (803)229-5211 Fax (803)229-7119

PROJ. NO.: 7561.00

PROJECT NAME: Nevada Goldfields Monthly

SAMPLERS NAME/AFFILIATION:(PRINTED): Stanley Boone

SAMPLE NO.	DATE	GRAB	TIME	COMP	TIME ON	TIME OFF	SAMPLE DESCRIPTION	NO. OF BOTTLES	1 125ml P.	2 1/2 gal P.	3 125ml Sulfuric	4 1/2 gal P.	5 250 ml P.	6 1000 ml P.	7 250 ml P.	8	9	10	11	12	13	14	15	SAMPLE TYPE	POTENTIAL HAZARD
	9.20.95	X	1238				GW-2	7	1	1	1	1	1	1	1									GW	
	9.20.95	X	1315				GW-1	7	1	1	1	1	1	1	1									GW	

CONTAINERS (PARAMETERS ON BACK)

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
[signature]	9.20.95 / 1450				

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED FOR LAB BY: (SIGNATURE)	DATE / TIME	CLIENT CONTACT:	
		Lisa S. McCall	9.20.95 / 1450	RESULTS SENT TO:	DATE:

DW-DRINKING WATER WW-WASTE WATER HW-HAZARDOUS WATER SD-SOLID

DAVIS & FLOYD
ENGINEERS ARCHITECTS
PLANNERS SCIENTISTS
CHARLESTON • GREENWOOD • COLUMBIA

FIELD DATA LOG FOR GROUNDWATER SAMPLE COLLECTION/ GROUNDWATER ELEVATION MEASUREMENTS

Well No.: GW-1

Client: Nevada Goldfields
Site Name: _____ Job No.: 7561.00
Date: 9-20-95 LWR submitted by: _____
Sampling Personnel: WSB
Site Personnel: Scott Wilkinson
Regulatory Personnel: —
Weather Conditions: Sunny Temp.: 80°
Well Diameter: 4.0 in.
(A) Top of Well Elevation: — msl (yes/no)
(B) Depth to Immiscible Layer: — ft.
(C) Immiscible Layer Elevation: (A)-(B)= — msl (yes/no)
(D) Depth to Groundwater: 25.04 ft.
(E) Groundwater Elevation: (A)-(D)= — msl (yes/no)
(F) Total Well Depth = 37.27 ft.
(G) Length of Water Column: (F)-(D)= 12.23 ft.
Casing Volume = (G) x Volume in gal./ft.= _____ gals.
Method of Well Evacuation BAIL Start Time: 1300
Method of Sample Collection BAIL Time: 1315
Chain-of-Custody Form Started (yes/no)

Source(s) of Well ID map ID Label (yes/no)
Well Completion: Protective Casing (yes/no) Flush (yes/no)
Flush-Mount Cover Seal Intact (yes/no) Locking Cap (yes/no)
Locked at Arrival (yes/no) Departure (yes/no)
Well Casing (height above/depth below) ground: 3.5 ft.
Casing Type (PVC) (Steel) (Other) _____
Dedicated Pump or Bailer (yes/no) Type TEFLON
Protective Post/Abutment (yes/no) Concrete Pad (yes/no)
Well Integrity Satisfactory (yes/no) If no, explain below.
Well Yield (low / moderate / high)

WELL VOLUME DATA

DIA. OF PIPE (in.)	VOLUME IN GAL./Ft.
1.0	0.041
2.0	0.163
3.0	0.367
4.0	0.653
5.0	1.020
6.0	1.470

TO CONVERT GAL/FT TO LITERS/FT. MULTIPLY ABOVE FIGURES BY 3.8 LITERS/GALLON.

FIELD ANALYSES

	1st Volume	~~2nd Volume~~	3rd Volume	4th Volume	5th Volume
Volume Purged (gallons)		TD@ 1.2V			
Time (military)		1315			
pH (S.U.)		4.8			
Sp. Cond. (umhos/cm)		128			
Water Temp. (°C)		19			
Odor (subjective)*		1			
Turbidity (subjective)**		2			

* (1)None (2)Slight (3)Moderate (4)Stronge
** (1)Clear (2)Slightly Turbid (3)Moderately Turbid (4)Very Turbid (5)Extremely Turbid

Comments/Observations/Recommendations: _____

FORM COMPLETED BY: [signature] (SIGNATURE)
DATE: 9-20-95

D&F Form48 (3/94)

DAVIS & FLOYD
ENGINEERS ARCHITECTS PLANNERS SCIENTISTS
CHARLESTON • GREENWOOD • COLUMBIA

FIELD DATA LOG FOR GROUNDWATER SAMPLE COLLECTION/ GROUNDWATER ELEVATION MEASUREMENTS

Well No.: GW-2

Client: Nevada Goldfields
Site Name: _____ Job No.: 7561.00
Date: 9.20.95 LWR submitted by: _____
Sampling Personnel: WSB
Site Personnel: Scott Wilkinson
Regulatory Personnel: —
Weather Conditions: Sunny Temp.: 80°
Well Diameter: 4.0 in.
(A) Top of Well Elevation: — msl (yes/no)
(B) Depth to Immiscible Layer: — ft.
(C) Immiscible Layer Elevation: (A)-(B)= — msl (yes/no)
(D) Depth to Groundwater: 24.90 ft.
(E) Groundwater Elevation: (A)-(D)= — msl (yes/no)
(F) Total Well Depth = 28.42 ft.
(G) Length of Water Column: (F)-(D)= 3.52 ft.
Casing Volume = (G) x Volume in gal./ft.= _____ gals.
Method of Well Evacuation BAIL Start Time: 1220
Method of Sample Collection BAIL Time: 1238
Chain-of-Custody Form Started (yes/no)

Source(s) of Well ID map ID Label (yes/no)
Well Completion: Protective Casing (yes/no) Flush (yes/no)
Flush-Mount Cover Seal Intact (yes/no) Locking Cap (yes/no)
Locked at Arrival (yes/no) Departure (yes/no)
Well Casing (height above/depth below) ground: 3.5 ft.
Casing Type (PVC) (Steel) (Other) _____
Dedicated Pump or Bailer (yes/no) Type TEFLON
Protective Post/Abutment (yes/no) Concrete Pad (yes/no)
Well Integrity Satisfactory (yes/no) If no, explain below.
Well Yield (low / moderate / high).

WELL VOLUME DATA

DIA. OF PIPE (in.)	VOLUME IN GAL./FT.
1.0	0.041
2.0	0.163
3.0	0.367
4.0	0.653
5.0	1.020
6.0	1.470

TO CONVERT GAL/FT TO LITERS/FT, MULTIPLY ABOVE FIGURES BY 3.8 LITERS/GALLON.

FIELD ANALYSES

	1st Volume	2nd Volume	3rd Volume	4th Volume	5th Volume
Volume Purged (gallons)		2V	3V		
Time (military)		1225	1231		
pH (S.U.)		2.9	2.9		
Sp. Cond. (umhos/cm)		4480	4460		
Water Temp. (°C)		20	20		
Odor (subjective)*		1	1		
Turbidity (subjective)**		2	2		

* (1)None (2)Slight (3)Moderate (4)Stronge
** (1)Clear (2)Slightly Turbid (3)Moderately Turbid (4)Very Turbid (5)Extremely Turbid

Comments/Observations/Recommendations: Well would not recharge enough to collect all fractions.

FORM COMPLETED BY: [signature] (SIGNATURE)
DATE: 9.20.95

D&F Form48 (3/94)

Davis & Floyd, Inc.

Laboratory Analysis Report

Page 1

Work Order # 95-09-250

Received: 09/26/95

10/09/95 14:03:54

REPORT NEVADA GOLDFIELDS, INC.
TO P.O. BOX 1530
McCORMICK, SC 29835

ATTEN JEAN WHISNANT

PREPARED DAVIS & FLOYD, INC.
BY P.O. DRAWER 428
GREENWOOD, SC 29648

PHONE (803)-229-5211

CERTIFIED BY

JOHN_MCCORD

WORK ID JOB NO. 7561.00
P.O. # N/A
TAKEN DAVIS & FLOYD, INC
TYPE GROUNDWATER
NUMBER OF SAMPLES 7

Comments:
WE ARE PLEASED TO PROVIDE THIS CERTIFIED REPORT OF ANALYSES. FEEL FREE TO TELEPHONE IF FURTHER EXPLANATION IS REQUIRED. UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SAMPLES WILL BE DISPOSED OF OR RETURNED 14 DAYS FROM THE DATE OF THIS REPORT.

SAMPLE IDENTIFICATION	DATE COLLECTED
01 GW-3	09/25/95 11:25:00
02 H	09/25/95 15:55:00
03 I	09/25/95 15:00:00
04 I DUP	09/25/95 15:00:00
05 J	09/25/95 14:00:00
06 K	09/25/95 13:35:00
07 P	09/25/95 12:23:00

Davis & Floyd, Inc.

Laboratory Analysis Report

Work Order # 95-09-250

Received: 09/26/95 10/09/95 14:03:54

Test Description	Units	01 GW-3	02 H	03 I	04 I DUP
GROUNDWATER ELEVATION	Feet Above MSL	NA	NA	NA	NA
pH (FIELD ANALYSIS)	pH units	6.3	4.9	5.3	5.3
SPECIFIC CONDUCTANCE (FLD)	micromhos/cm	245	41	67	67
TEMPERATURE	Degrees C	18	19	19	19
SILVER (TOTAL)	mg/l	< 0.010	< 0.010	< 0.010	< 0.010
ALUMINUM (TOTAL)	mg/l	24.2	1.34	0.683	0.910
BARIUM (TOTAL)	mg/l	0.046	0.136	0.027	0.030
CALCIUM (TOTAL)	mg/l	19.3	1.24	1.46	1.58
CADMIUM (TOTAL)	mg/l	< 0.0050	< 0.0050	< 0.0050	< 0.0050
CHROMIUM (TOTAL)	mg/l	0.030	< 0.010	< 0.010	< 0.010
COPPER (TOTAL)	mg/l	0.088	0.084	0.012	0.013
COPPER (DISSOLVED)	mg/l	< 0.010	0.046	< 0.010	< 0.010
IRON (TOTAL)	mg/l	33.1	10.4	0.666	0.931
POTASSIUM (TOTAL)	mg/l	< 2.0	< 2.0	< 2.0	< 2.0
MAGNESIUM (TOTAL)	mg/l	36.6	< 1.0	2.47	2.57
MANGANESE (TOTAL)	mg/l	2.16	0.167	0.073	0.080
SODIUM (TOTAL)	mg/l	9.74	4.92	6.05	6.20
NICKEL (TOTAL)	mg/l	0.021	< 0.020	< 0.020	< 0.020
ZINC (TOTAL)	mg/l	0.270	0.065	0.031	0.035
MERCURY (TOTAL)	mg/l	< 0.00020	< 0.00020	0.00034	0.00034
ARSENIC (TOTAL)	mg/l	< 0.0050	< 0.0050	< 0.0050	< 0.0050
LEAD (TOTAL)	mg/l	0.0066	0.0165	< 0.0050	< 0.0050
SELENIUM (TOTAL)	mg/l	< 0.0100X	< 0.0050	< 0.0050	< 0.0050
ORGANIC CARBON TOTAL	mg/l	1.6	1.7	1.2	1.1
ALKALINITY BICARBONATE	mg/l	70.2	< 1.0	2.0	2.0

Davis & Floyd, Inc.

Laboratory Analysis Report

Received: 09/26/95 10/09/95 14:03:54

Work Order # 95-09-250

Continued From Above

Test Description	Units	01 GW-3	02 H	03 I	04 I DUP
CHLORIDE	mg/l	4.14	6.27	8.07	8.05
SULFATE	mg/l	39.3	4.63	8.79	8.82
AMMONIA NITROGEN	mg/l	0.11	< 0.10	< 0.10	< 0.10
NITRITE NITROGEN	mg/l	< 0.10	< 0.10	< 0.10	< 0.10
NITRATE NITROGEN (by IC)	mg/l	< 0.10	< 0.10	0.94	0.80
CYANIDE (TOTAL)	mg/l	< 0.0050	< 0.0050	0.0165	0.0149
DISSOLVED SOLIDS TOTAL	mg/l	158	12	25	18

Test Description	Units	05 J	06 K	07 P
GROUNDWATER ELEVATION	Feet Above MSL	NA	NA	NA
pH (FIELD ANALYSIS)	pH units	5.7	6.8	6.5
SPECIFIC CONDUCTANCE (FLD)	micromhos/cm	98	111	134
TEMPERATURE	Degrees C	19	19	18
SILVER (TOTAL)	mg/l	< 0.010	< 0.010	0.023
ALUMINUM (TOTAL)	mg/l	2.82	71.7	19.1
BARIUM (TOTAL)	mg/l	0.029	0.202	0.039
CALCIUM (TOTAL)	mg/l	2.64	17.6	6.81
CADMIUM (TOTAL)	mg/l	< 0.0050	0.0051	< 0.0050
CHROMIUM (TOTAL)	mg/l	< 0.010	0.110	0.080
COPPER (TOTAL)	mg/l	0.071	0.168	0.074
COPPER (DISSOLVED)	mg/l	< 0.010	< 0.010	< 0.010
IRON (TOTAL)	mg/l	12.3	128.	35.9
POTASSIUM (TOTAL)	mg/l	< 2.0	< 2.0	< 2.0

Davis & Floyd, Inc.

Laboratory Analysis Report

Received: 09/26/95

10/09/95 14:03:54

Work Order # 95-09-250

Continued From Above

Test Description	Units	05 J	06 K	07 P
MAGNESIUM (TOTAL)	mg/l	5.17	59.9	22.8
MANGANESE (TOTAL)	mg/l	0.183	2.05	1.83
SODIUM (TOTAL)	mg/l	7.57	6.99	9.71
NICKEL (TOTAL)	mg/l	< 0.020	0.084	0.030
ZINC (TOTAL)	mg/l	0.041	1.13	0.659
MERCURY (TOTAL)	mg/l	< 0.00020	< 0.00020	< 0.00020
ARSENIC (TOTAL)	mg/l	< 0.0050	< 0.0200X	< 0.0050
LEAD (TOTAL)	mg/l	0.0053	0.0295	0.0142
SELENIUM (TOTAL)	mg/l	< 0.0050	< 0.050 X	< 0.0100X
ORGANIC CARBON TOTAL	mg/l	1.2	< 1.0	1.5
ALKALINITY BICARBONATE	mg/l	3.4	< 1.0	58.7
CHLORIDE	mg/l	5.10	3.93	5.26
SULFATE	mg/l	27.3	5.51	4.90
AMMONIA NITROGEN	mg/l	< 0.10	< 0.10	< 0.10
NITRITE NITROGEN	mg/l	< 0.10	< 0.10	< 0.10
NITRATE NITROGEN (by IC)	mg/l	0.76	< 0.10	< 0.10
CYANIDE (TOTAL)	mg/l	< 0.0050	< 0.0050	< 0.0050
DISSOLVED SOLIDS TOTAL	mg/l	58	55	111

Received: 09/26/95 10/09/95 14:03:54

NEVADA GOLDFIELDS, INC.

NOTES:

X = INDICATES A MATRIX INTERFERENCE WHICH MAY REQUIRE A DILUTION OR WHICH PREVENTS THE REPORTING OF A RESULT. DETECTION LIMITS HAVE BEEN ADJUSTED WHERE APPLICABLE.

45U425U

DAVIS & FLOYD

Chain of Custody Form

816 East Durst Street, Greenwood, S.C. 29649 Phone (803)229-5211 Fax (803)229-7119

PROJ. NO.: 7561.00

PROJECT NAME: Nevada Goldfields

SAMPLERS NAME/AFFILIATION:(PRINTED): Stanley Broome

SAMPLE NO.	DATE	GRAB	TIME	COMP.	TIME ON	TIME OFF	SAMPLE DESCRIPTION	NO. OF BOTTLES	1 125 ml P.	2 1000 ml P.	3 250 ml P.	4 1000 ml P.	5 125 ml G. w/ Sulfuric	6 ½ gal. P.	7 250 ml P.	8	9	10	11	12	13	14	15	SAMPLE TYPE	POTENTIAL HAZARD
	9-25-95	X	1125				GW-3	7	1	1	1	1	1	1	1									GW	
		X	1223				P	7	1	1	1	1	1	1	1										
		X	1335				K	7	1	1	1	1	1	1	1										
		X	1400				J	7	1	1	1	1	1	1	1										
		X	1500				I	7	1	1	1	1	1	1	1										
		X	1500				I Dup	7	1	1	1	1	1	1	1										
		X	1555				H	7	1	1	1	1	1	1	1										

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
Stanley Broome	9-25-95 / 1715				

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED FOR LAB BY: (SIGNATURE)	DATE / TIME	CLIENT CONTACT:
		Tracey M. Willis	9/26/95 / 8:00	RESULTS SENT TO: / DATE:

DW-DRINKING WATER WW-WASTE WATER HW-HAZARDOUS WATER SD-SOLID AB-ABSORBENT TUBE
GW-GROUND WATER RC-RCRA SW-SURFACE WATER IM-IMPINGER SOLUTION F -FILTERS

DAVIS & FLOYD
ENGINEERS ARCHITECTS PLANNERS SCIENTISTS
CHARLESTON • GREENWOOD • COLUMBIA

FIELD DATA LOG FOR GROUNDWATER SAMPLE COLLECTION/ GROUNDWATER ELEVATION MEASUREMENTS

Well No.: GW-3

Client: Nevada Goldfields, Inc
Site Name: McCormick Job No.: 7561.00
Date: 9.25.95 LWR submitted by:
Sampling Personnel: WSB/SML
Site Personnel: Steve Wilkinson
Regulatory Personnel: —
Weather Conditions: Cloudy Temp.: 70°
Well Diameter: 4 in.
Total Well Depth(TWD)= 22.93
Top of Well Elevation(TOWE)= — msl
Depth to Groundwater (DGW)= 4.47
Groundwater Elevation: — msl
Length of Water Column(LWC)=TWD–DGW = 18.46
Immiscible layer detected (yes / no) Thickness: — ft.
1 Casing Volume = LWC x = 12.1 gal
Method of Well Evacuation BAIL Start Time: 1103
Method of Sample Collection BAIL Time: 1125
Chain-of-Custody Form Started (yes / no)

Source(s) of # Site map ID Label (yes / no)
Well Head Completion: Stickup 3 ft. Flush (yes / no)
Dedicated Pump or Bailer (yes / no) Type TEFLON
Protective Casing (yes / no) Locking Cap (yes / no)
Locked at arrival (yes / no) Departure (yes / no)
Protective Post/Abutment (yes / no) Odor (yes / no)
Well Integrity Satisfactory (yes / no)
Well Yield (low / moderate / high)

WELL VOLUME DATA

DIA. OF PIPE (in.)	VOLUME IN GAL./FT.
1.0	0.041
2.0	0.163
3.0	0.367
4.0	0.653
5.0	1.020
6.0	1.470

TO CONVERT GAL/FT TO LITERS/FT, MULTIPLY ABOVE FIGURES BY 3.8 LITERS/GALLON.

FIELD ANALYSES

	1st Volume	2nd Volume	3rd Volume	4th Volume	5th Volume
Volume Purged (liters)	TD @ 1 V				
Time (military)	1125				
pH (S.U.)	6.3				
Sp. Cond. (umhos/cm)	245				
Water Temp. (°C)	18				
Turbidity (subjective)•	3			—	—

• (1)Clear (2)Slight (3)Moderate (4)High

Comments/Observations/Recommendations:

FORM COMPLETED BY: [signature]
DATE: 9-25-95

D&F Form48 (12/92)

DAVIS & FLOYD
ENGINEERS ARCHITECTS PLANNERS SCIENTISTS
CHARLESTON • GREENWOOD • COLUMBIA

FIELD DATA LOG FOR GROUNDWATER SAMPLE COLLECTION/ GROUNDWATER ELEVATION MEASUREMENTS

Well No.: H

Client: Nevada Goldfields
Site Name: McCormick Job No.: 7561.00
Date: 9.25.95 LWR submitted by:
Sampling Personnel: [illegible]
Site Personnel: Steve Wilkinson
Regulatory Personnel: —
Weather Conditions: Cloudy Temp.: 28°
Well Diameter: 2" in.
Total Well Depth(TWD)= 57.86
Top of Well Elevation(TOWE)= — msl
Depth to Groundwater (DGW)= 46.11
Groundwater Elevation: — msl
Length of Water Column(LWC)=TWD−DGW = 11.75
Immiscible layer detected (yes / no) Thickness: ft.
1 Casing Volume = LWC x = 1.9 gal
Method of Well Evacuation BAIL Start Time: 1538
Method of Sample Collection BAIL Time: 1555
Chain-of-Custody Form Started (yes / no)

Source(s) of I: site map ID Label (yes / no)
Well Head Completion: Stickup — in. Flush (yes / no)
Dedicated Pump or Bailer (yes / no) Type TEFLON
Protective Casing (yes / no) Locking Cap (yes / no)
Locked at arrival (yes / no) Departure (yes / no)
Protection Post/Abutment (yes / no) Odor (yes / no)
Well Integrity Satisfactory (yes / no)
Well Yield (low / moderate / high)

WELL VOLUME DATA

DIA. OF PIPE (in.)	VOLUME IN GAL/FT.
1.0	0.041
2.0	0.163
3.0	0.367
4.0	0.653
5.0	1.020
6.0	1.470

TO CONVERT GAL/FT TO LITERS/FT, MULTIPLY ABOVE FIGURES BY 3.8 LITERS/GALLON.

FIELD ANALYSES

	1st Volume	2nd Volume	3rd Volume	4th Volume	5th Volume
Volume Purged (liters)		2v	3v		
Time (military)		1545	1552		
pH (SU)		5.0	4.9		
Sp. Cond. (mhos/cm)		39	41		
Water Temp. (°C)		19	19		
Turbidity (subjective)*		2	2	—	—

* (1)Clear (2)Slight (3)Moderate (4)High

Comments/Observations/Recommendations: Well was buried and had to be excavated before entry was possible.

FORM COMPLETED BY: [signature]
DATE: 9.25.95

D&F Form46 (12/92)

DAVIS & FLOYD
ENGINEERS ARCHITECTS PLANNERS SCIENTISTS
CHARLESTON • GREENWOOD • COLUMBIA

FIELD DATA LOG
FOR GROUNDWATER SAMPLE COLLECTION/ GROUNDWATER ELEVATION MEASUREMENTS

Well No.: I Dup

Client: Nevada Goldfields
Site Name: McCormick Job No.: 7561.00
Date: 9.25.95 LWR submitted by:
Sampling Personnel: WSB, SMC
Site Personnel: Steve Wilkinson
Regulatory Personnel: –
Weather Conditions: Cloudy Temp.: 70°
Well Diameter: 2.0 in.
Total Well Depth(TWD)= 90.10
Top of Well Elevation(TOWE)= — msl
Depth to Groundwater (DGW)= 56.25
Groundwater Elevation: — msl
Length of Water Column(LWC)=TWD–DGW = 33.85
Immiscible layer detected (yes / no) Thickness: – ft.
1 Casing Volume = LWC x = 5.5 gal
Method of Well Evacuation BAIL Start Time: 1425
Method of Sample Collection BAIL Time: 1500
Chain-of-Custody Form Started (yes / no)

Source(s) of # Site map ID Label (yes / no)
Well Head Completion: Stickup 3 ft. Flush (yes / no)
Dedicated Pump or Bailer (yes / no) Type TEFLON
Protective Casing (yes / no) Locking Cap (yes / no)
Locked at arrival (yes / no) Departure (yes / no)
Protective Post/Abutment (yes / no) Odor (yes / no)
Well Integrity Satisfactory (yes / no)
Well Yield (low / moderate / high)

WELL VOLUME DATA

DIA. OF PIPE (in.)	VOLUME IN GAL./FT.
1.0	0.041
2.0	0.163
3.0	0.367
4.0	0.653
5.0	1.020
6.0	1.470

TO CONVERT GAL/FT TO LITERS/FT, MULTIPLY ABOVE FIGURES BY 3.8 LITERS/GALLON.

FIELD ANALYSES

	1st Volume	2nd Volume	3rd Volume	4th Volume	5th Volume
Volume Purged (liters)		2V	3V		
Time (military)		1442	1453		
pH (S.U.)		5.4	5.3 / 5.3		
Sp. Cond. (umhos/cm)		70	67 / 67		
Water Temp. (°C)		19	19 / 19		
Turbidity (subjective)•		1	1	—	—

• (1)Clear (2)Slight (3)Moderate (4)High

Comments/Observations/Recommendations:

FORM COMPLETED BY: [signature] (SIGNATURE)
DATE: 9-25-95

D&F Form48 (12/92)

DAVIS & FLOYD
ENGINEERS ARCHITECTS PLANNERS SCIENTISTS
CHARLESTON • GREENWOOD • COLUMBIA

FIELD DATA LOG FOR GROUNDWATER SAMPLE COLLECTION/ GROUNDWATER ELEVATION MEASUREMENTS

Well No.: J

Client: Nevada Goldfields
Site Name: McCormick Job No.: 7561.00
Date: 9.25.95 LWR submitted by:
Sampling Personnel: WSB, SMC
Site Personnel: steve wilkinson
Regulatory Personnel: –
Weather Conditions: cloudy Temp.: 70°
Well Diameter: 2.0 in.
Total Well Depth(TWD)= 65.80
Top of Well Elevation(TOWE)= – msl
Depth to Groundwater (DGW)= 59.79
Groundwater Elevation: – msl
Length of Water Column(LWC)=TWD–DGW = 6.01
Immiscible layer detected (yes / no) Thickness: ft.
1 Casing Volume = LWC x = 1.0 ~~gals~~ FT
Method of Well Evacuation BAIL Start Time: 1350
Method of Sample Collection BAIL Time: 1400
Chain-of-Custody Form Started (yes / no)

Source(s) of # Site map ID Label (yes / no)
Well Head Completion: Slickup 2.5 ft Flush (yes / no)
Dedicated Pump or Bailer (yes / no) Type TEFLON
Protective Casing (yes / no) Locking Cap (yes / no)
Locked at arrival (yes / no) Departure (yes / no)
Protective Post/Abutment (yes / no) Odor (yes / no)
Well Integrity Satisfactory (yes / no)
Well Yield (low / moderate / high)

WELL VOLUME DATA

DIA. OF PIPE (in.)	VOLUME IN GAL./FT.
1.0	0.041
2.0	0.163
3.0	0.367
4.0	0.653
5.0	1.020
6.0	1.470

TO CONVERT GAL/FT TO LITERS/FT, MULTIPLY ABOVE FIGURES BY 3.8 LITERS/GALLON.

FIELD ANALYSES

	1st Volume	2nd Volume	3rd Volume	4th Volume	5th Volume
Volume Purged (liters)	TD @ IV				
Time (military)	1400				
pH (S.U.)	5.7				
Sp. Cond. (umhos/cm)	98				
Water Temp. (°C)	19				
Turbidity (subjective)•	4			—	—

• (1)Clear (2)Slight (3)Moderate (4)High

Comments/Observations/Recommendations:

FORM COMPLETED BY: (signature)
DATE:

D&F Form48 (12/92)

DAVIS & FLOYD
ENGINEERS ARCHITECTS PLANNERS SCIENTISTS
CHARLESTON • GREENWOOD • COLUMBIA

FIELD DATA LOG FOR GROUNDWATER SAMPLE COLLECTION/ GROUNDWATER ELEVATION MEASUREMENTS

Well No.: K

Client: Nevada Goldfields
Site Name: McCormick Job No.: 7561.00
Date: 9.25.95 LWR submitted by:
Sampling Personnel: WSB, SML
Site Personnel: Steve Wilkinson
Regulatory Personnel: –
Weather Conditions: Cloudy Temp.: 70°
Well Diameter: 2.0 in.
Total Well Depth(TWD)= 82.75
Top of Well Elevation(TOWE)= – msl
Depth to Groundwater (DGW)= 60.54
Groundwater Elevation: – msl
Length of Water Column(LWC)=TWD–DGW = 22.21
Immiscible layer detected (yes / no) Thickness: ft.
1 Casing Volume = LWC x = 3.6 gal
Method of Well Evacuation BAIL Start Time: 1315
Method of Sample Collection BAIL Time: 1335
Chain-of-Custody Form Started (yes / no)

Source(s) of # site map ID Label (yes / no)
Well Head Completion: Stickup 3 ft. Flush (yes / no)
Dedicated Pump or Bailer (yes / no) Type TEFLON
Protective Casing (yes / no) Locking Cap (yes / no)
Locked at arrival (yes / no) Departure (yes / no)
Protective Post/Abutment (yes / no) Odor (yes / no)
Well Integrity Satisfactory (yes / no)
Well Yield (low / moderate / high)

WELL VOLUME DATA

DIA. OF PIPE (in.)	VOLUME IN GAL./FT.
1.0	0.041
2.0	0.163
3.0	0.367
4.0	0.653
5.0	1.020
6.0	1.470

TO CONVERT GAL/FT TO LITERS/FT, MULTIPLY ABOVE FIGURES BY 3.8 LITERS/GALLON.

FIELD ANALYSES

	1st Volume	2nd Volume	3rd Volume	4th Volume	5th Volume
Volume Purged (liters)		TD @ 2V			
Time (military)		1335			
pH (S.U.)		6.8			
Sp. Cond. (umhos/cm)		111			
Water Temp. (°C)		19			
Turbidity (subjective)•		4		—	—

• (1)Clear (2)Slight (3)Moderate (4)High

Comments/Observations/Recommendations:

FORM COMPLETED BY: [signature]
DATE: 9-25-95

D&F Form48 (12/92)

DAVIS & FLOYD ENGINEERS ARCHITECTS PLANNERS SCIENTISTS
CHARLESTON • GREENWOOD • COLUMBIA

FIELD DATA LOG FOR GROUNDWATER SAMPLE COLLECTION/ GROUNDWATER ELEVATION MEASUREMENTS

Well No.: P

Client: Nevada Goldfields
Site Name: McCormick Job No.: 7561.00
Date: 9.25.95 LWR submitted by:
Sampling Personnel: WSB, SML
Site Personnel: Steve Wilkinson
Regulatory Personnel: —
Weather Conditions: cloudy Temp.: 70°
Well Diameter: 2.0 in.
Total Well Depth(TWD)= 89.78
Top of Well Elevation(TOWE)= — msl
Depth to Groundwater (DGW)= 72.10
Groundwater Elevation: — msl
Length of Water Column(LWC)=TWD−DGW = 17.68
Immiscible layer detected (yes / no) Thickness: ft.
1 Casing Volume = LWC x = 2.9 ~~liters~~ gal
Method of Well Evacuation BAIL Start Time: 1148
Method of Sample Collection BAIL Time: 1223
Chain-of-Custody Form Started (yes / no)

Source(s) of # Site map ID Label (yes / no)
Well Head Completion: Stickup 3 ft Flush (yes / no)
Dedicated Pump or Bailer (yes / no) Type TEFLON
Protective Casing (yes / no) Locking Cap (yes / no)
Locked at arrival (yes / no) Departure (yes / no)
Protective Post/Abutment (yes / no) Odor (yes / no)
Well Integrity Satisfactory (yes / no)
Well Yield (low / moderate / high)

WELL VOLUME DATA

DIA. OF PIPE (in.)	VOLUME IN GAL./FT.
1.0	0.041
2.0	0.163
3.0	0.367
4.0	0.653
5.0	1.020
6.0	1.470

TO CONVERT GAL/FT TO LITERS/FT. MULTIPLY ABOVE FIGURES BY 3.8 LITERS/GALLON.

FIELD ANALYSES

	1st Volume	2nd Volume	3rd Volume	4th Volume	5th Volume
Volume Purged (liters)		2v	3v		
Time (military)		1212	1217		
pH (S.U.)		6.6	6.5		
Sp. Cond. (umhos/cm)		135	134		
Water Temp. (°C)		18	18		
Turbidity (subjective)*		4	4	—	—

* (1)Clear (2)Slight (3)Moderate (4)High

Comments/Observations/Recommendations:

FORM COMPLETED BY: (signature)
DATE: 9.25.95

D&F Form48 (12/92)

DHEC MONITOR WELLS
QUARTERLY REPORTS

GW-1

LOCATION 21891.200, 7227.100

COLLAR ELEVATION - 408.200
DEPTH OF WELL - 36.95 ft

DATE	3/27/91	6/26/91	9/19/91	12/19/91	3/31/92	6/26/92	9/25/92	12/16/92	3/5/93	6/21/93	9/27/93	12/6/93	3/21/94	6/13/94	9/19/94	1/12/95	2/23/95	3/14/95	5/30/95	6/29/95	9/20/95
DEPTH TO WATER	22.38	23.22	26.99	24.34	22.56	23.96	23.58		19.11	23.88	24.57	23.69	22.82	24.99	24.41	23.03	20.32	22.73	24.93	25.22	25.04
WATER ELEVATION	385.82	384.98	381.21	383.86	385.64	384.24	384.62		389.09	384.32	383.63	384.51	385.38	383.21	383.79	385.17	387.88	385.47	383.27	382.98	383.16
Silver	<0.01	0.04	<0.010	<0.010	0.02	<0.01	0.01	<0.01	<0.01	<0[illegible]	<0[illegible]	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Aluminum	144	411	752	19.7	6.5	57.3	27.1	32.5	25.2	79.6	19.5	6.05	84.0	8.14	4.96	11.2	3.92	2.24	3.11	2.56	2.32
Barium	1.80	8.51	4.87	0.32	0.09	0.69	0.31	0.365	0.379	0.915	0.246	0.155	0.765	0.187	0.127	0.169	0.130	0.110	0.113	0.105	0.09
Calcium	3.2	3.6	3.9	2.3	17	3	3	5.39	2.00	5.28	7.39	3.61	5.44	3.58	3.61	2.09	1.74	1.60	2.22	2.34	3.24
Cadmium	0.012	0.039	0.047	<0.005	0.040	0.007	<0.005	0.0053	0.0036	<0.0050	0.0012	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Chromium	0.07	0.58	0.26	0.01	0.02	0.04	0.02	0.021	0.014	0.065	0.016	<0.010	0.046	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Copper (total)	0.80	3.57	3.17	0.18	0.21	0.54	0.24	0.294	0.199	0.972	0.327	0.126	0.922	0.119	0.086	0.137	0.071	0.054	0.079	0.068	0.067
(dissolved)															0.025			0.036	0.073	0.052	0.06
Iron	290	718	1332	44.4	46.0	148	66.5	72.8	58.6	233.0	55.2	19.4	238	17.6	15.0	32.6	9.45	4.70	7.22	5.08	4.49
Potassium	17	30	56	3	4	8	3	3.99	3.03	5.65	2.15	<2.0	7.03	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Magnesium	86.7	197	416	10.9	7	32	16	15.3	14.2	37.3	9.25	4.71	36.5	5.22	4.33	6.41	2.98	2.42	3.18	2.99	2.95
Manganese	3.57	8.28	15.7	0.47	0.35	1.46	0.67	0.616	0.610	1.57	0.391	0.211	1.46	0.218	0.202	0.269	0.128	0.101	0.129	0.128	0.13
Sodium	5	4	7	3	9	4	3	13.1	3.50	3.33	2.54	3.15	6.35	3.59	3.54	5.79	3.47	2.68	3.52	3.77	3.66
Nickel	0.06	0.32		<0.02	0.04	<0.02	<0.02	0.028	0.015	0.038	0.012	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	0.58	1.07	1.85	0.05	1.72	0.22	0.15	0.382	0.087	0.373	0.114	0.064	0.29	0.062	0.069	0.067	0.044	0.047	0.057	0.054	0.11
Mercury	<0.0002	0.0009	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00020	<0.00020	<0.0020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Arsenic	0.015	<0.5	<0.025	<0.005	0.011	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Lead	0.220	0.45	0.355	0.017	0.042	0.051	0.036	0.034	0.024	0.060	0.035	0.0079	0.0623	0.0144	0.0067	0.0145	0.0057	<0.0050	<0.0050	<0.0050	<0.0050
Selenium X	<0.05	<0.025	<.25	<0.005	<0.005	<0.025	<0.005	<0.005	<0.005	<0.[illegible]	<0.[illegible]	<0.005	0.0064	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TOC	3	3	3	2	2	6	3	3	4	[illegible]	6.4	2.1	3.3	2.2	2.4	1.3	2.2	6.3	1.2	1.2	1.3
Alkalinity	28.35	17.8	16	13	<1	<1	1.1	7.4	1.0	2.0	<1.0	1.6	2.6	<1.0	3.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloride	3	3	3	8	4	3	3	4	3	4	4	3.4	3.6	3.7	3.4	3.5	3.3	3.6	3.7	4.1	4.32
pH	6.0	5.84	5.73	5.08	4.53	5.06	4.38		4.37	5.3	5.67	4.82	5.55		4.49	4.8	4.74	4.8	4.3	4.4	4.8
Sulfate	<300	22	22	30	190	<30	23	<30	<12	<30	<60	18	<75	18	14	24	11.4	15.3	18.4	23.6	20.5
Spec. Cond.	100	90	65	74	448	72.5	79		63	81	98	77	85			69	66	61	76	80	128
Temperature	22	23		19	14	17.5	15		12	19	16	16.5	17.4	18.2	15.9	15.5	15.6	18	18	21	19
Ammonia N	0.43	0.42		0.41	<.1	0.2	0.2	0.2	<0.1	<0.1	<0.10	<0.10	0.49	<0.10	0.16	0.13	<0.10	<0.10	0.11	0.11	0.23
Nitrite N			<0.05	<0.05										<0.050	<0.050		<0.050	<0.050	<0.050	<0.050	na
Nitrate NX	<0.2	<.20	<0.05	0.07	<.1	<.1	0.05	<0.05	<0.05	<0.10	<0.05	<0.10	0.230	0.554	0.953	0.178	0.342	0.383	0.509	0.624	0.65
Cyanide (total)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.006	<0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TDS	129	68	18	53	262	66	80	95	49	77	72	62	72	56	189	77	53	36	78	57	218
TSS															316						

GW-2

LOCATION 21534.600, 6638.400

COLLAR ELEVATION - 418.190
DEPTH OF WELL - 28.20 ft

* depth measured after pump removed from well

DATE	3/27/91	6/26/91	9/19/91	12/19/91	3/31/92	6/26/92	9/25/92	12/16/92	3/5/93	6/21/93	9/27/93	12/6/93	3/21/94	6/13/94	9/19/94	1/12/95	2/23/95	3/14/95	5/30/95	6/29/95	9/20/95
DEPTH TO WATER	17.22	18.71	20.15	21.50	18.52	20.25	19.98		14.03	20.7	21.51	20.1	20.82	27.32	23.3	22.12	17.63	18.61	26.65	26.45	24.9
WATER ELEVATION	400.97	399.48	398.04	396.69	399.67	397.94	398.21		404.16	397.49	396.68	398.09	397.37	390.87	394.89	396.07	400.56	399.58	391.54	391.34	392.89
										*											
Silver	<0.01	<0.01	<0.010	<0.010	0.07	<0.01	0.01	<0.01	<0.01	<0.01	0.03	<0.010	<0.010	Well did	<0.010	0.012	<0.010	0.011	Well did	Well did	Well did
Aluminum	18.4	12.8	2.8	2.6	23.5	9.1	11.2	3.57	2.05	2.72	26.0	6.65	10.1	not	29.9	25.7	6.27	4.02	not	not	not
Barium	0.28	0.41	0.11	0.08	0.54	0.20	0.36	0.120	0.095	0.14[illegible]	0.59[illegible]	0.236	0.246	recover	0.701	0.777	0.111	0.102	recover	recover	recover
Calcium	19.2	14.3	16.6	8.7	3	21	22	20.9	22.7	20.[illegible]	21.[illegible]	22.4	13.6	after	6.08	2.60	1.69	1.43	after	after	after
Cadmium	0.080	0.108	0.016	0.019	<0.005	0.031	0.049	0.0127	0.0082	0.0115	0.0999	0.0273	0.0258	pumping	0.0129	0.0505	0.0108	0.0078	pumping	pumping	pumping
Chromium	0.06	0.06	<0.01	0.01	0.03	0.04	0.05	0.014	0.007	0.025	0.151	0.028	0.034		0.091	0.120	0.015	<0.010			An attempt
Copper (total)	0.53	0.82	0.15	0.15	0.37	0.25	0.57	0.138	0.072	0.164	0.913	0.389	0.412	No Sample	0.765	1.07	0.116	0.080			was made
(dissolved)															0.250			0.042			to collect
Iron	48.4	61.9	23.3	12.1	46.0	59.3	49.2	17.6	16.8	22.5	73.5	28.8	27.9	Taken	85.7	94.6	22.1	13.4			fractions.
Potassium	6	5	4	3	4	3	4	3.62	1.98	2.32	4.31	3.63	2.66		<2.0	3.08	<2.0	<2.0			Results
Magnesium	17.6	11.4	4.70	1.87	10	10	10	5.49	3.92	3.41	14.3	6.49	8.76		18.0	16.4	5.68	5.11			are
Manganese	0.70	0.42	0.24	0.08	0.48	0.38	0.31	0.204	0.188	0.165	0.479	0.268	0.275		0.681	0.420	0.189	0.131			discarded.
Sodium	15	7	7	5	4	8	8	7.86	6.82	5.49	5.51	6.48	9.35		3.12	2.77	3.19	3.47			
Nickel	0.08	0.08	<0.02	<0.02	0.04	0.02	0.05	0.020	0.011	0.028	0.151	0.035	0.040		0.184	0.147	0.034	<0.020			
Zinc	2.19	1.70	0.35	0.93	0.11	2.01	1.90	0.414	0.271	0.535	3.83	2.39	1.73		3.44	3.13	0.933	0.886			
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.00020		<0.00020	<0.00020	<0.00020	<0.00020			
Arsenic	0.024	<0.05	<0.005	0.020	<0.005	0.012	0.006	0.009	0.010	0.015	0.036	0.0124	0.0064		0.0256	0.0277	<0.0050	<0.0050			
Lead	0.320	0.22	0.034	0.056	0.112	0.047	0.144	0.038	0.027	0.039	0.46	0.0607	0.0759		0.1876	0.1532	0.0276	0.0547			
Selenium	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.005	<0.005	0.016	0.0071	<0.0050		0.0080	0.0338	<0.0050	<0.0050			
TOC	4	2	3	2	2	5	3	1	3	2	4.1	1.5	2.1		3.0	1.6	1.4	3.9			
Alkalinity	7.35	7.4	17	14	7.4	<1	<1	<1	12	4.5	2.1	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0			
Chloride	4	4	4	5	3	4	4	4	4	[illegible]	[illegible]	4.4	3.3		2.2	2.0	2.4	2.4			
pH	5.2	4.12	6.01	4.64	5.72	3.62	3.94		5.79	5.9[illegible]	5.74	5.09	4.28		3.76	3.53	3.24	3.5			
Sulfate	100	65	90	108	20	190	128	90	76	58	60	106	100		172	130	94	79			
Spec. Cond.	285	220	70	316	92	426	301		234	213	222	260	251			261	464	268			
Temperature	22	22.5		18	16	19	15		11	19	17	17.6	17.0		16.5	15.8	14.3	16			
Ammonia N	0.2	0.34		0.21	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.12	<0.10	0.19		0.12	<0.10	<0.10	<0.10			
Nitrite N			<0.05	<0.05											<0.050		<0.050	<0.050			
Nitrate N	0.56	<0.20	0.08	<0.05	<0.05	<0.1	<0.05	<0.25	<0.05	<0.25	<0.25	<0.50	<0.25		0.257	0.249	0.268	0.292			
Cyanide (total)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.006	<0.006	<0.0050	<0.0050	<0.0050		<0.0050	<0.0050	<0.0050	<0.0050			
TDS	259	167	104	188	31	349	228	165	140	146	152	187	157		405	210	161	108			
TSS															1870						

GW-3

LOCATION 19335.400, 3873.900

COLLAR ELEVATION - 383.200
DEPTH OF WELL - 22.60 ft

DATE	3/27/91	6/28/91	9/19/91	12/19/91	3/31/92	dup.	6/26/92	dup.	9/25/92	12/16/92	3/5/93	6/21/93	9/27/93	12/6/93	duplicate 12/6/93	3/21/94	duplicate 3/21/94	6/13/94	9/19/94	12/6/94	3/14/95	6/29/95	9/25/95
DEPTH TO WATER	8.11	9.3	11.81	12.54	7.94		9.46		7.68		5.33	8.45	9.53	9.2		9.68		10.15	7.93	5.94	6.26	7.55	4.47
WATER ELEVATION	375.09	373.9	371.39	370.66	375.26		373.74		375.52		377.87	374.75	373.67	374		373.52		373.05	375.27	377.26	376.94	375.65	378.73
Silver	<0.01	<0.010	<0.010	<0.010	0.02	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Aluminum	11.4	24.3	4.3	4.7	56.6	26.9	21.2	18.7	51.3	28.5	36.9	12.0	9.33	5.07	8.32	11.1	4.84	5.90	18.9	24.8	11.2	27.1	24.2
Barium	0.08	0.03	0.02	<0.02	0.05	0.04	0.05	0.08	0.04	0.032	0.030	0.022	0.020	<0.020	0.024	<0.020	0.025	0.029	0.027	0.023	0.039	0.046	0.046
Calcium	34.1	15.6	16.2	11.8	17	16	17	16	19	16.7	17.0	14.0	13.8	12.8	14.1	13.3	14.2	15.9	16.1	16.5	16.2	18.8	19.3
Cadmium	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0065	0.0028	<0.0050	<0.001	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0011	<0.0050	<0.0050	<0.0050
Chromium	0.03	0.03	<0.01	<0.01	0.07	0.03	0.03	0.04	0.06	0.038	0.044	0.016	0.012	<0.010	0.012	0.013	<0.010	0.010	0.027	0.029	0.014	0.034	0.03
Copper (total)	0.03	0.10	0.03	0.01	0.15	0.08	0.05	0.06	0.13	0.093	0.086	0.055	0.041	0.028	0.048	0.045	0.037	0.034	0.077	0.061	0.033	0.106	0.088
(dissolved)																			<0.010		<0.020	<0.020	<0.010
Iron	16.1	28.9	5.51	6.60	72.8	34.5	33.8	38.4	63.6	36.7	42.4	17.0	12.4	6.91	11.3	14.8	7.29	8.76	25.0	29.2	15.4	37.5	33.1
Potassium	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2.0	<0.40	<2.0	<0.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.4	<2.0	<2.0	<2.0
Magnesium	25.2	34.1	15.9	12.4	74	40	33	35	68	40.9	49.0	22.2	20.0	14.2	18.1	20.6	14.2	16.4	29.4	37.3	21.5	39.1	36.6
Manganese	1.01	1.44	0.60	0.43	3.14	1.73	1.36	1.45	2.87	1.73	2.01	0.908	0.795	0.481	0.677	0.745	0.488	0.690	1.32	1.36	2.24	2.31	2.16
Sodium	30	8	10	7	9	9	10	10	9	9.16	8.93	8.36	8.30	8.85	9.48	7.85	9.48	9.23	9.38	8.84	8.99	10.1	9.74
Nickel	0.02	0.08	<0.02	<0.02	0.04	0.02	<0.02	<0.02	0.05	0.027	0.024	0.027	0.010	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.02	0.021
Zinc	0.08	0.44	0.04	0.05	0.61	0.30	0.32	0.29	0.65	0.330	0.350	0.151	0.129	0.076	0.112	0.127	0.130	0.062	0.191	0.241	0.112	0.343	0.27
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00020	<0.00020	<0.00020	<0.0020	<0.00020	<0.00020	<0.00020	<0.00020
Arsenic	<0.005	<0.04	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	0.008	<0.005	<0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Lead	0.007	0.008	<0.005	0.008	0.014	0.010	<0.005	<0.005	0.013	0.006	0.007	<0.005	0.046	<0.005	<0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0061	0.0066
Selenium X	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.010
TOC	3	1	<1	<1	<1	<1	2	2	3	<1	<1	<1	2.3	<1.0	1.0	1.6	1.5	1.6	1.5	1.0	3.5	1.2	1.6
Alkalinity	168	73.5	77	72	72.5	72.5	67	70	68	69.3	67	67	69.3	70.4	69.3	71.4	70.4	68.2	69.3	71.4	67.6	72	70.2
Chloride	43	4	4	3	4	4	4	4	4	4	4	5	4	3.8	3.4	3.8	3.7	3.8	4.7	4.2	4.8	4.8	4.14
pH	6.9	6.84	6.62	6.34	6.80		6.59		7.22		6.74	6.17	6.55	6.00		6.41			6.50	6.26	6.6		6.3
Sulfate	8	25	28	29	22	23	18	20	4	22	22	21	21.7	24.4	23.4	22	22	24	24	21	28.2	32	39.3
Spec. Cond.	400	195	180	204	203		192		188		188	198	192.5	183		191				188	238		245
Temperature	22	22.5		19	17		19		17		11	18		16.6		17.5		18.0	16.9	16.5	18		18
Ammonia N	0.60	0.24		<0.1	<0.1	0.1	<0.1	<0.1	<0.1	0.2	0.2	0.1	<0.10	<0.10	<0.10	<0.10	0.14	<0.10	<0.10	<0.10	<0.10	<0.10	0.11
Nitrite N			<0.05	<0.05														<0.050	<0.050	<0.050	<0.050	<0.050	<0.10
Nitrate N	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.1	<0.2	<0.05	<0.05	<0.05	<0.10	<0.05	<0.10	<0.050	<0.10	<0.050	<0.050	0.137	<0.050	0.192	<0.050	<0.10
Cyanide (total)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.006	<0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TDS	333	156	92	53	103	111	143	143	411	139	137	145	138	143	144	128	123	125	233	206	145	183	158
TSS																			378				

Well H

LOCATION 19964.470, 5082.480

COLLAR ELEVATION - 440.900
DEPTH OF WELL - 48.68 ft

*Well recently pumped to redevelop

DATE	3/13/91	6/26/91	9/19/91	12/19/91	3/31/92	6/26/92	9/25/92	duplicate 9/25/92	12/16/92	3/5/93	6/21/93	9/27/93	12/6/93	3/21/94	6/3/94	9/19/94	1/12/95	3/14/95	6/29/95	duplicate 9/25/95
DEPTH TO WATER		24.01	25.51	32.16	28.16	29.58	27.78			20.19	20.62	27.98	20.23	19.34	21.26	27.98	*37.8	38.8	43.5	43.5	46.11
WATER ELEVATION		416.89	415.39	408.74	412.74	411.32	413.12			420.71	420.28	412.92	420.67	421.56	419.64	412.92	440.9	402.1	397.4	397.4	394.79
Silver	<0.01	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010	0.073	0.014	0.011	<0.010	<0.010	<0.010
Aluminum	8.1	3.1	1.4	0.7	1.9	1.4	1.9	1.9	3.26	1.39	[illegible]	[illegible]	2.93	2.09	0.443	10.5	6.63	2.64	0.939	1.07	1.34
Barium	0.07	0.05	0.07	0.03	0.03	0.03	0.02	0.02	0.024	0.019	[illegible]	[illegible]	0.034	0.043	0.020	2.86	0.631	0.412	0.064	0.059	0.136
Calcium	1.5	1.1	0.6	0.2	<1	<2	<1	<1	1.46	0.846	1.00	0.46	<1.0	<1.0	<1.0	2.64	<1.0	<1.0	<1.0	<1.0	1.24
Cadmium	0.004	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.00100	<0.0050	<0.001	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Chromium	0.11	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.0020	<0.010	<0.002	<0.010	<0.010	<0.010	0.024	0.011	<0.010	<0.010	<0.010	<0.010
Copper (total)	0.09	0.04	<0.02	0.01	0.04	<0.02	0.03	0.03	0.061	0.015	<0.020	0.026	0.063	0.035	0.015	0.585	0.234	0.147	0.084	0.091	0.084
(dissolved)																0.094		0.056	0.058	0.059	0.046
Iron	18.4	6.85	2.45	2.42	6.5	7.4	6.6	5.4	9.96	3.60	2.69	3.89	13.4	8.56	1.88	75.7	29.5	21.9	5.12	5.1	10.4
Potassium	<2	<2	<2	<2	<2	<2	<2	<2	<2.0	<0.40	<2.0	<0.4	<2.0	<2.0	<2.0	4.77	<2.0	<2.0	<2.0	<2.0	<2.0
Magnesium	1.08	0.73	0.37	0.15	<1	4	<1	<1	<1.0	0.596	<1.0	0.349	<1.0	<1.0	<1.0	1.60	<1.0	<1.0	<1.0	<1.0	<1.0
Manganese	1.21	0.89	1.21	0.58	0.42	0.49	0.24	0.22	0.166	0.094	0.075	0.174	0.350	0.136	0.084	0.307	0.175	0.225	0.147	0.13	0.167
Sodium	5	3	6	5	4	4	3	3	3.17	2.72	2.77	2.97	3.60	5.13	3.94	4.53	4.19	4.97	4.19	3.94	4.92
Nickel	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.032	<0.0040	<0.020	<0.004	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Zinc	0.10	0.03	<0.02	<0.02	0.03	0.05	0.11	0.13	0.218	0.010	0.229	0.011	0.044	<0.020	<0.020	0.119	0.077	0.023	0.027	0.058	0.065
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00020	<0.00020	0.00101	0.00020	<0.0002	<0.0002	<0.0002	<0.0002
Arsenic	<0.005	<0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	2.93	<0.0050	<0.0050	0.0268	0.0092	0.0075	<0.0050	<0.0050	<0.0050
Lead	0.019	0.015	<0.005	0.012	0.016	0.008	0.009	0.013	0.005	<0.005	<0.005	0.010	0.0124	0.0085	<0.0050	0.1850	0.0787	0.0545	0.0059	0.0092	0.0165
Selenium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.0050	0.0198	0.0088	0.0054	<0.0050	<0.0050	<0.0050
TOC	5	<1	<1	2	<1	5	1	2	1	2	3	4.3	1.4	2.3	2.5	1.9	1.6	4.8	2	<1.0	1.7
Alkalinity	7.4	6.3	7	4.2	38.8	6	1.1	1.1		2.1	[illegible]	[illegible]	2.1	1.0	2.6	9.4	<1.0	<1.0	<1.0	<1.0	<1.0
Chloride	2.7	3	4	4	4	4	4	3	3	3	[illegible]	[illegible]	3.3	4.0	4.3	5.8	5.8	6.0	6.3	6.2	6.27
pH	5.30	5.29	5.57	5.39	5.27	5.22	5.02			4.36	4.86	4.68	4.02	4.91		4.20	4.59	4.6	4.7	4.8	4.9
Sulfate X	<6	<3	<3	<3	3	<3	<3	<3	<3	<3	<3	<3.0	<6.0	4.5	<3.0	<30	<12	<12	<3.0	<3.0	4.63
Spec. Cond.	22	20	30	38	30	31	31			31	27	27	32	31			38	42	40	40	41
Temperature	21	22.5		20	17	18	16			11	19		15.0	18.7	20.2	16.7	16.3	18	21	21	19
Ammonia N	0.22	0.25		0.21	0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	0.11	<0.10	0.13	<0.10	0.34	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrite N			<0.05	<0.05											<0.050	<0.050		<0.050	<0.050	<0.050	<0.10
Nitrate N	0.07	0.07	0.06	0.07	0.08	<0.1	0.12	0.13	0.08	0.18	0.20	0.06	<0.050	<0.050	0.059	0.227	0.350	0.450	0.097	0.103	<0.10
Cyanide (total)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.006	<0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TDS	45	37	132	18	<10	14	36	53	26	<10	25	22	32	28	19	363	<10	52	70	55	12
TSS																1690					

Well I

LOCATION 20322.500, 5618.710

COLLAR ELEVATION - 462.324
DEPTH OF WELL - 88.30 ft

*Well being continuously pumped

DATE	3/13/91	6/26/91	9/19/91	12/19/91	3/31/92	6/26/92	9/25/92	12/16/92	3/5/93	duplicate 3/5/93	6/21/93	duplicate 6/21/93	9/27/93	duplicate 9/27/93	12/3/93	3/21/94	6/3/94	9/19/94	duplicate 9/19/94	12/6/94	3/14/95	6/29/95	9/25/95	duplicate 9/25/95
DEPTH TO WATER		44.52	45.78	49.65	48.58	50.44	50.2		42.56		62.1		67.66		66.58	69.64	51.22			50	47.94	53.84	56.25	56.25
WATER ELEVATION		417.804	416.544	412.674	413.744	411.884	412.124		419.764		400.224		394.664		395.744	392.684	411.104			412.324	414.384	408.494	406.084	406.084
											*		*		*	*		*						
Silver	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Aluminum	29.0	8.1	29	6.5	3.9	8.7	4.1	2.31	3.28	2.57	0.21	<0.2	0.060		0.051	0.133	0.135	<0.10	<0.10	0.380	0.111	0.148	0.683	0.91
Barium	0.13	0.04	0.10	0.04	0.03	0.05	0.03	0.038	0.044	0.034	<0.0	<0.02	0.021		0.024	0.02	0.023	<0.020	<0.020	0.035	0.026	0.026	0.027	0.03
Calcium	1.9	1	1.3	1.1	1.2	<2	1	1.78	1.01	0.965	<1.0	<1.0	0.98		1.25	1.37	1.29	<1.0	<1.0	1.08	1.09	1.23	1.46	1.58
Cadmium	0.010	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.00100	<0.00100	<0.0050	<0.0050	<0.001		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.001	<0.0050	<0.0050	<0.0050	<0.0050
Chromium	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.0020	<0.0020	<0.010	<0.010	<0.002		<0.010	<0.010	<0.010	<0.010	<0.010	<0.002	<0.010	<0.010	<0.010	<0.010
Copper (total)	0.12	0.04	0.08	0.03	0.02	0.04	0.02	0.033	0.016	0.012	<0.020	<0.020	0.005		0.004	<0.010	0.107	<0.010	0.013	0.008	<0.020	0.012	0.012	0.013
(dissolved)																		<0.010	<0.010		0.005	<0.020	<0.010	<0.010
Iron	24.9	6.18	14	6.10	2.3	7.7	2.8	1.53	2.22	1.48	0.322	0.688	0.023		0.515	<0.10	<0.10	<0.10	<0.10	0.315	0.109	0.104	0.666	0.931
Potassium	<2	<2	<2	<2	<2	<2	<2	<2.0	<0.40	<0.40	<2.0	<2.0	<0.4		<2.0	<2.0	<2.0	<2.0	<2.0	<0.4	<2.0	<2.0	<2.0	<2.0
Magnesium	4.42	2.92	5	2.82	2	3	3	2.46	2.43	2.30	1.98	1.92	1.95		2.29	2.19	2.46	2.22	2.23	2.37	2.46	2.37	2.47	2.57
Manganese	1.34	0.36	0.94	0.38	0.15	0.48	0.19	0.113	0.157	0.106	0.021	0.021	0.012		0.014	0.013	0.020	0.024	0.024	0.043	0.031	0.033	0.073	0.08
Sodium	4	3	4	3	4	4	4	6.29	5.52	5.38	4.25	4.16	6.12		6.82	5.53	5.63	4.59	4.59	4.15	6.20	6.32	6.05	6.2
Nickel	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.020	<0.0040	<0.0040	<0.020	<0.020	<0.004		<0.020	<0.020	0.073	<0.020	<0.020	<0.004	<0.020	<0.020	<0.020	<0.020
Zinc	0.22	0.08	0.17	0.04	0.05	0.07	0.09	0.312	0.026	0.018	0.123	0.135	0.006		<0.020	<0.020	0.090	<0.020	<0.020	0.016	<0.020	0.051	0.031	0.035
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	0.0003	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	<0.00020	<0.00020	<0.0020	<0.0020	<0.00020	<0.00020	<0.00020	0.00034	0.00034
Arsenic	0.006	<0.03	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Lead	0.017	0.007	0.015	0.008	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Selenium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TOC	3	<1	1	1	<1	2	1	1	1	1	1	1	3.8		<1.0	2.7	1.9	1.1	1.3	2.0	3.7	3.8	1.2	1.1
Alkalinity	3.2	5.3	6	12.6	5.3	7	2.1	1.1	1.0	1.0	1	1	<1.0		2.6	2.6	2.1	3.2	3.7	3.2	3.9	3.2	2	2
Chloride	3.7	4	4	5	4	5	6	10	9	9	8	8	10		8.4	7.6	7.2	5.6	5.6	6.0	8.9	9.4	8.07	8.05
pH	5.37	5.06	5.10	5.31	5.21	5.06	4.99		4.49		4.87		4.46		4.92	4.42		4.97	4.62	5.03	5.3	5.2	5.3	5.3
Sulfate X	<12	6	3	4	5	4	4	4	5	10	5	6	10.5		9.8	9.0	9.5	7.4	9.1	7.3	9.9	9.5	8.79	8.82
Spec. Cond.	38	30	30	45	44	46	52		65		53		78		68	70				56	71	70	67	67
Temperature	21	22.5		19	17	17	16		13		21		17		17.9	18.9	21.4	18.5	18.5	16.9	18	22	19	19
Ammonia N	0.18	0.11		<0.1	<0.1	<0.1	0.2	0.1	0.1	0.1	<0.1	0.1	0.11		<0.10	<0.10	<0.10	0.13	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrite N			<0.05	<0.05													<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10	<0.10
Nitrate N	0.13	0.16	0.14	0.19	0.18	<0.1	0.48	0.68	0.70	0.71	0.48	0.45	0.63		0.627	0.627	0.903	0.787	0.634	0.547	1.06	0.914	0.94	0.8
Cyanide (total)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	0.031	0.032	0.021	0.017	0.0498		0.0313	0.0208	0.0151	0.0150	0.0146	0.0129	0.0159	0.013	0.0165	0.0149
TDS	37	16	16	18	<10	27	51	46	44	304	53	47	47		51	56	60	101	92	56	53	57	25	18
TSS																		2	1					

Well J

LOCATION 20329.940, 5321.770

COLLAR ELEVATION - 455.939
DEPTH OF WELL - 63.90 ft

DATE	3/13/91	6/28/91	9/19/91	12/19/91	3/31/92	6/26/92	9/25/92	12/16/92	3/5/93	6/21/93	9/27/93	12/6/93	3/21/94	6/13/94	9/19/94	12/6/94	duplicate 12/6/94	3/14/95	6/29/95	9/25/95
DEPTH TO WATER		47.80	48.64	52.31	49.4	51.38	52.09		47.22	48.14	55.56	54.45	48.6	48.65	53.81	52.55		51.95	57.75	59.79
WATER ELEVATION		408.139	407.299	403.629	406.539	404.559	403.849		408.719	407.799	400.379	401.489	407.339	407.289	402.129	403.389		403.989	398.189	398.189
Silver	<0.01	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Aluminum	3.6	1.1	1.9	0.9	2.3	3.2	2.2	1.42	1.01	0.631	0.572	0.823	0.595	0.486	0.317	1.65	0.699	0.945	0.308	2.82
Barium	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	0.02	<0.020	0.019	<0.020	0.012	0.032	0.029	0.025	0.041	0.027	0.020	<0.020	<0.020	0.029
Calcium	1.1	1.5	1.3	1.2	1	2	1	1.31	1.12	1.23	11.1	1.38	1.54	1.65	3.83	4.36	4.29	3.83	3.61	2.64
Cadmium	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	0.00100	<0.0050	<0.001	<0.0050	<0.0050	<0.0050	<0.0050	<0.001	<0.001	<0.0050	<0.0050	<0.0050
Chromium	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.0020	<0.010	<0.002	<0.010	<0.010	<0.010	<0.010	0.007	<0.002	<0.010	<0.010	<0.010
Copper (total)	0.03	0.05	0.03	0.03	0.04	0.04	0.04	0.027	0.010	<0.020	0.013	0.023	0.047	0.012	0.029	0.023	0.011	<0.020	0.014	0.071
(dissolved)															<0.010			<0.020	<0.020	<0.010
Iron	5.26	2.52	2.54	2.68	6.6	7.2	7.0	1.78	2.05	2.11	1.97	2.77	1.60	1.51	3.78	4.56	1.92	0.852	0.564	12.3
Potassium	<2	<2	<2	<2	<2	<2	<2	<2.0	<0.40	<2.0	<0.4	<2.0	<2.0	<2.0	<2.0	<0.4	<0.4	<2.0	<2.0	<2.0
Magnesium	2.70	2.79	3.00	2.62	3	3	3	2.92	2.67	2.63	2.82	2.90	2.66	3.32	7.88	8.64	8.46	6.25	6.68	5.17
Manganese	0.11	0.03	0.02	0.04	0.08	0.11	0.08	0.010	0.022	0.015	0.027	0.047	0.018	0.020	0.034	0.053	0.020	0.013	<0.010	0.183
Sodium	3	4	3	4	3	4	3	3.39	3.05	3.19	2.93	4.15	5.42	5.96	10.2	11.8	11.5	11.1	10.7	7.57
Nickel	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.020	<0.0040	<0.020	<0.004	<0.020	<0.020	<0.020	<0.020	<0.004	<0.004	<0.020	<0.020	<0.020
Zinc	0.05	0.12	0.04	0.05	0.03	0.05	0.10	0.043	0.054	0.071	0.037	0.027	0.104	<0.020	0.096	0.030	0.034	0.031	0.025	0.041
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00020	<0.00020	<0.0020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Arsenic	<0.005	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Lead	<0.005	0.011	0.013	0.087	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.006	<0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0053
Selenium	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TOC	1	1	<1	<1	<1	3	<1	2	<1	1	4.4	2.4	1.9	2.7	2.4	3.0	4.1	3.7	5	1.2
Alkalinity	4.2	9.5	11	12.6	10.5	11	10	8.4	7.4	9.0	<1.0	7.4	7.4	7.4	10.0	9.4	9.4	10.4	9	3.4
Chloride	3.4	4	4	4	4	4	4	4	4	4	4	4.3	4.6	5.1	5.9	5.9	5.9	6.8	6.9	5.1
pH	5.62	5.56	5.46	5.75	5.65	5.46	5.36		4.94	5.28	4.84	4.85	4.76		5.15	5.59	5.59	5.7	5.6	5.7
Sulfate X	4	7	5	<6	<3	5	6	5	5	5	5.8	4.2	6.1	9.1	38.8	40	40.0	45	41.2	27.3
Spec. Cond.	40	40	35	50	58	46	54		46	50	52	50	57			155	155	143	160	98
Temperature	22	22		19	18	18	16		16	20	17	16.6	17.5	18.5	16.4	14.5	14.5	18	24	19
Ammonia N	<0.1	0.56		0.25	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrite N			<0.05	<0.05										<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10
Nitrate N	0.08	0.07	0.08	0.13	0.09	<0.1	0.10	0.11	0.16	0.21	0.51	0.693	0.504	0.785	1.95	1.83	1.81	1.46	1.431	0.76
Cyanide (total)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.006	<0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TDS	37	39	14	24	<10	46	50	42	31	47	32	48	49	59	241	97	132	79	121	58
TSS															121					

Well K

LOCATION 20363.710, 5015.310

COLLAR ELEVATION - 458.346
DEPTH OF WELL - 81.53 ft

DATE	6/5/91	6/26/91	9/19/91	12/19/91	3/31/92	6/26/92	9/25/92	12/16/92	3/5/93	6/21/93	9/27/93	12/6/93	3/21/94	6/13/94	6/13/94 duplicate	9/19/94	12/6/94	3/14/95	6/29/95	9/25/95
DEPTH TO WATER	47.58	47.93	48.79	53.19	51.00	52.30	52.72		47.23	47.58	55.51	54.67	48.77	48.39		53.24	53.04	52.72	58.32	60.54
WATER ELEVATION	410.766	410.416	409.556	405.156	407.346	406.046	405.626		411.116	410.766	402.836	403.676	409.576	409.956		405.106	405.306	405.626	400.026	397.806
Silver	<0.01	0.01	<0.010	<0.010	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Aluminum	0.6	30.2	166	31.0	48.2	70	63.1	121.0	14.6	18.0	[illegible]2.0	[illegible]93	101	62.8	28.8	97.5	45.4	21.7	7.6	71.7
Barium	0.07	0.07	0.39	0.16	0.12	0.14	0.14	0.270	0.039	0.048	[illegible]244	[illegible]01	0.266	0.193	0.085	0.227	0.086	0.052	0.022	0.202
Calcium	9.0	4	14.8	8.5	7	9	9	12.4	5.38	5.52	11.2	14.7	10.5	9.77	7.09	9.58	7.82	6.46	5.44	17.6
Cadmium	<0.002	0.004	0.016	<0.005	<0.005	0.007	0.008	0.0209	0.0017	<0.0050	0.0041	<0.0050	<0.0050	<0.0050	<0.0050	<0.025	0.0030	<0.0050	<0.0050	0.0051
Chromium	<0.01	0.06	0.26	0.04	0.08	0.09	0.10	0.187	0.024	0.029	0.131	0.199	0.141	0.094	0.046	0.124	0.053	0.033	0.012	0.11
Hex Chromium	<0.01																			
Copper (total)	<0.02	0.08	0.29	0.06	0.09	0.12	0.11	0.220	0.026	0.044	0.202	0.372	0.265	0.164	0.081	0.230	0.083	0.048	0.017	0.168
(dissolved)																<0.010		<0.020	<0.020	<0.010
Iron	0.32	55	272	43.8	87.4	100	104	198.0	22.6	32.6	140	242	187	124	58.3	178	60.9	38.7	13.2	128
Potassium	<2.0	<2	<2	<2	<2	<2	<2	<2.0	<0.40	<2.0	<0.4	<2.0	<2.0	<2.0	<2.0	<2.0	<0.4	<2.0	<2.0	<2.0
Magnesium	13.0	28.2	145	29.6	41	48	49	89.5	14.4	18.9	73.9	124	85.1	60.4	30.3	74.6	33.1	20.5	10.5	59.9
Manganese	0.14	1.02	5.00	1.09	1.48	1.73	1.79	3.51	0.410	0.594	2.49	4.42	3.02	2.16	0.972	2.74	1.05	0.633	0.233	2.05
Sodium	6	3	7	7	5	6	7	6.12	5.34	5.54	6.30	6.98	5.56	6.35	6.13	6.85	6.14	6.05	6.89	6.99
Nickel	<0.02	0.05	0.19	0.03	0.05	0.07	0.07	0.138	0.022	0.024	0.090	0.152	0.106	0.073	0.041	0.108	0.039	0.022	<0.020	0.084
Zinc	0.11	0.51	2.68	0.60	0.80	1.13	0.13	1.82	0.297	0.375	1.36	2.30	1.66	1.09	0.687	1.47	0.577	0.326	0.149	1.13
Mercury	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00020	<0.00020	<0.00020	<0.0020	<0.00020	<0.00020	<0.00020	<0.00020
Arsenic	<0.005	<0.05	<0.025	<0.025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.02
Lead	<0.005	0.027	0.032	0.010	0.016	0.012	0.019	0.016	<0.005	<0.005	0.023	0.0254	0.0226	0.0138	0.0056	0.0228	0.0076	0.0058	<0.0050	0.0295
Selenium	<0.005	<0.025	<.12	<0.10	<0.005	<0.05	<0.005	<0.050	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.05
TOC	1	<1	<1	1	<1	3	2	2	2	2	[illegible].2	[illegible].2	2.4	1.9	4.1	1.6	3.2	3.0	1.2	<1.0
Alkalinity	39.9	5	44	32	38.8	39	40	43.1	33	30	[illegible]6.2	[illegible]9.4	39.9	37.8	33.6	38.8	36.8	35.1	37.4	<1.0
Res. Chlorine	<0.1																			
Chloride	4	4	5	9	4	4	4	4	4	4	4	4.2	4.0	4.1	4.2	4.6	4.1	4.8	4.5	3.99
pH	7.0	6.33	6.57	6.51	6.3	6.39	6.45		5.65	5.91	6.11	5.85	5.96			6.19	6.40	6.5	6.5	6.8
Sulfate	<12	<3	6	30	3	<12	7	<12	<6	<6	<60	<60	<60	<30	<12	34	<6.0	<6.0	3	5.51
Spec. Cond.	100	90	85	97	96	90	93		88	88	95	93	97				89	97	101	111
Temperature	20	22		19	17	19	16		14	19	17	17	18.2	19.7	19.7	17.0	15.5	19	20	19
Ammonia N	0.51	0.21		0.14	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	<.10	<.10	<.10	<.10	<.10	<.10	<.10	<0.10	<0.10	<0.10
Nitrite N			<0.05	<0.05										<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.10
Nitrate N	<0.05	<0.05	0.09	0.14	0.07	<0.1	0.17	0.09	0.15	<0.05	0.08	<0.050	<0.050	0.099	0.117	0.124	0.109	0.298	0.12	<0.10
Cyanide (total)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.006	<0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Oil & Grease	18																			
TDS	85	69	24	62	31	58	85	69	68	65	68	78	57	59	67	145	90	64	84	55
TSS	3435															2840				

Well P

LOCATION 20375.590, 4429.700

COLLAR ELEVATION - 458.664
DEPTH OF WELL - 89.18

DATE	4/28/93	5/19/93	6/21/93	9/27/93	12/6/93	3/21/94	6/13/94	9/19/94	12/6/94	3/14/95	6/29/95	9/25/95
DEPTH TO WATER	66.26	66.46	67.36	70.59	72.3	71.33	71.43	71.22	70.93	67.81	70	72.1
WATER ELEVATION	392.404	392.204	391.304	388.074	386.364	387.334	387.234	387.444	387.734	390.854	388.664	386.564
Silver	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.010	0.012	<0.010	<0.010	<0.[illegible]	0.[illegible]
Aluminum	59.6	13.6	8.81	20.5	19.6	6.15	7.63	6.76	3.75	9.76	0.[illegible]	[illegible]
Barium	0.121	0.031	0.027	0.047	0.053	0.020	0.028	0.027	0.010	0.024	<0.020	0.039
Calcium	8.79		5.33	5.44	5.85	5.55	5.99	5.49	5.28	5.64	5.27	6.81
Cadmium	<0.0050	<0.00100	<0.0050	0.0020	<0.0050	<0.0050	<0.0050	<0.0050	0.0010	<0.0050	<0.0050	<0.0050
Chromium	0.209	0.050	0.042	0.080	0.084	0.023	0.028	0.031	0.014	0.042	<0.010	0.08
Copper (total)	0.209	0.045	0.044	0.083		0.031	0.032	0.032	0.013	0.039	<0.010	0.074
(dissolved)								<0.010		<0.020	<0.020	<0.010
Iron	94.1	20.4	18.0	37.9	40.0	12.4	12.3	13.2	5.54	17.7	1.11	35.9
Potassium	<2.0		<2.0	<0.4	<2.0	<2.0	<2.0	<2.0	<0.4	<2.0	<2.0	<2.0
Magnesium	41.70		14.1	22.1	22.9	12.2	15.4	13.0	10.6	15.5	8.97	22.8
Manganese	5.20		1.09	2.03	2.07	0.638	0.966	0.764	0.320	1.05	0.074	1.83
Sodium	17.8		12.1	11.2	12.3	11.4	12.1	10.6	9.96	10.1	9.16	9.71
Nickel	0.067	0.021	0.026	0.034	0.026	<0.020	<0.020	0.023	0.005	<0.020	<0.020	0.03
Zinc	1.62	0.510	0.412	0.644	0.650	0.251	0.294	0.252	0.139	0.363	0.077	0.659
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00020	<0.00020	<0.0020	<0.00020	0.00031	<0.00020	<0.00020
Arsenic	<0.010	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Lead	0.045	0.012	0.010	0.023	0.019	0.0067	0.0095	0.0064	<0.0050	0.0108	<0.0050	0.0142
Selenium	<0.010	<0.005	<0.005	<0.005	<0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.010
TOC	1	72	1	4.8	1.7	2.5	2.5	1.5	1.3	3.0	[illegible]	[illegible]
Alkalinity	59		58	53.0	64.1	62.0	57.8	59.8	56.7	56.6	[illegible]	[illegible]
Chloride	8	7	8	7	7.9	6.9	6.0	6.5	6.6	6.4	5.9	5.26
Fluoride	1.16											
pH	6.20	5.66	6.04	6.15	5.83	6.13		6.05	6.35	6.3	5.9	6.5
Sulfate X	<3	7	7	6.5	<15	<30	6.0	<12	4.4	5.5	6.2	4.9
Spec. Cond.	147	160	148	143	137	136			129	136	132	134
Temperature	17	17	18	16	16.2	18.2	18.7	15.7	16.5	18	19	18
Ammonia N	0.3		<0.1	<0.10	<0.10	0.14	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nitrite N	<0.05						<0.050	<0.050	<0.050	<0.050	<0.050	<0.10
Nitrate N	0.16	0.14	0.14	0.08	<0.10	<0.10	0.065	0.192	0.066	0.268	0.056	<0.10
Cyanide (total)	<0.006	<0.006	<0.006	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
TDS	122	132	103	103	121	90	100	169	132	95	123	111
TSS								299				