

**CURIS RESOURCES (ARIZONA), INC.
FLORENCE COPPER PROJECT
FIRST QUARTER 2010 MONITORING REPORT**

**U.I.C. PERMIT AZ396000001
AND
A.P.P. PERMIT 101704**

April 28, 2010



April 28, 2010

Ms. Nancy Rumrill
U.S. Environmental Protection Agency
Region 9, Ground Water Office, WTR-9
75 Hawthorne Street
San Francisco, California 94105-3901

**RE: MONITORING REPORT FOR UNDERGROUND INJECTION CONTROL (UIC) PERMIT
NUMBER AZ396000001
FIRST QUARTER 2010 REPORT**

Dear Ms. Rumrill:

As you are aware, in February, 2010, Curis Resources (Arizona) Inc. (Curis Arizona) purchased all of the assets of Florence Copper and the right to apply for the transfer of its permits to Curis Arizona, including the Aquifer Protection Permit (APP) and UIC permits. Although the permit transfer is not complete, Curis Arizona is assuming the compliance obligations and is submitting this report in accordance with the reporting requirements of Parts II.G.2.(a) through (j) of the UIC Permit No. AZ396000001 issued by the USEPA on May 1, 1997. The Florence Copper Project is also subject to the requirements of APP No. 101704 issued by the ADEQ on June 9, 1997 and last amended on July 16, 2004.

This report pertains to monitoring activities conducted at the Florence In-Situ Mine Site from January 1 through March 31, 2010. Copies of records required by Part II.G.1 are maintained at the mine site along with other information that is summarized below.

As you are aware, Florence Copper discontinued hydraulic control on September 1, 2004 in order to conduct groundwater quality tests in accordance with Part II.H.2 of the APP and Part II.I.2 of the UIC Permit. A report of the results has been provided to the ADEQ and USEPA for review. The pumping wells have remained off until a plan for further activity can be approved. As a result, no extraction flows are reported under Section (b) below, and the water level measurements that are reported in Section (b) reflect natural conditions, not hydraulic control.

(a) A map showing the current status of the mine.

Figure 1 shows the current monitoring area including the Point of Compliance (POC) wells and the wellfield. Figure 2 shows the approximate layout of the wellfield and denotes the four well pairs. There are four injection/recovery wells and nine pumping wells. Five observation wells were installed to demonstrate net inward hydraulic gradient



for the 90 days required by the permit. Solution injection began on October 31, 1997, and ceased on February 8, 1998.

- (b) A table and graph showing daily cumulative injection flows and extraction flows in each active mine block over the reporting period.**

Hydraulic control was discontinued on September 1, 2004 for purposes of collecting groundwater samples following a 90-day period of no hydraulic control, and remains discontinued for evaluation of results. Accordingly there are no injection or extraction flows to report.

- (c) A table and graph comparing average daily head in the four observation wells.**

Although hydraulic control was not required during this reporting period, water level measurements were continued by manual measurements in the four observation wells and their nearest inward neighbors. Figure 1 of Attachment 1 and the supporting data show the groundwater elevations in the four well pairs.

- (d) A table showing POC monitoring wells analytical results and alert levels.**

The attached report, *Florence Project Quarterly Compliance Monitoring Report – First Quarter 2010*, by Brown and Caldwell and sealed by Ms. Barbara Sylvester, Professional Engineer (Attachment 2), contains the POC monitoring records and results. Brown and Caldwell, along with Project personnel, conducted compliance sampling on February 15 through March 3, 2010.

Quarterly and biennial parameters were conducted for 29 of the 31 POC monitoring wells. POC monitoring wells M32-UBF and M33-UBF were dry and could not be sampled. All results were below the Alert Levels (ALs) or Aquifer Quality Limits (AQLs). The results are discussed in the report.

One result for nitrate in M27-LBF exceeded an Aquifer Water Quality Standard (AWQS). No alert level or AQL has been set for nitrate in this well. The result is within two standard deviations of the historical average for the well. No increase in nitrate was observed in wells M28-LFB or M29-UBF which are located within 100 feet of M27-UBF and are screened above and below M27-UBF respectively. This result is likely the result of a natural change to the aquifer conditions.

- (e) Results of the monthly analyses of organic in the injectate**

Organic analyses are not required because no solution was injected during the reporting period.

- (f) Results of monitoring required by 40 CFR 146.33 (b)(1)**



No solution was injected.

(g) Results of the mechanical integrity tests

No mechanical integrity test was required.

(h) Results of the annular conductivity monitoring

Although injection ceased in early 1998, annular conductivity measurements have continued to the present time (excluding 2009). A graph showing measurement results for this reporting period is presented in Attachment 1, Figure 2. No unusual conditions were noted.

(i) Well and core hole plugging and abandonment.

None of the existing wells and core holes were abandoned during the report period.

(j) A summary of closure operations during the reporting period.

There were no closure operations during the reporting period.

Curis Arizona believes that you will find this report complete and in compliance with all permit conditions. Please contact me at (604) 684-6365 should you have any questions regarding this report.

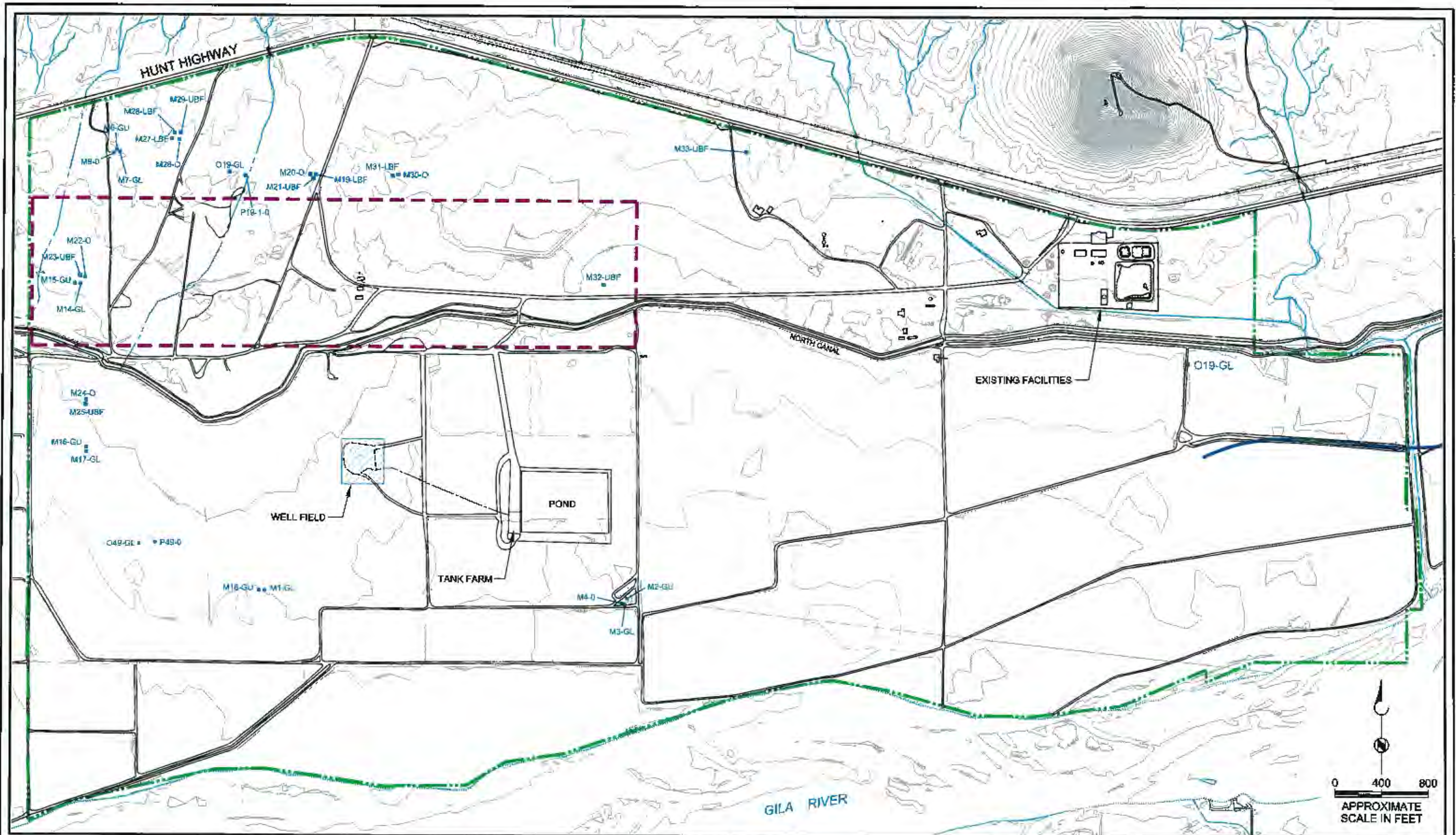
Sincerely,

CURIS RESOURCES (ARIZONA) INC.

A handwritten signature in black ink, appearing to read 'Michael McPhie', written over a light blue horizontal line.

Michael McPhie
President and CEO

BAS:lld
Attachments
cc: Florence Copper File

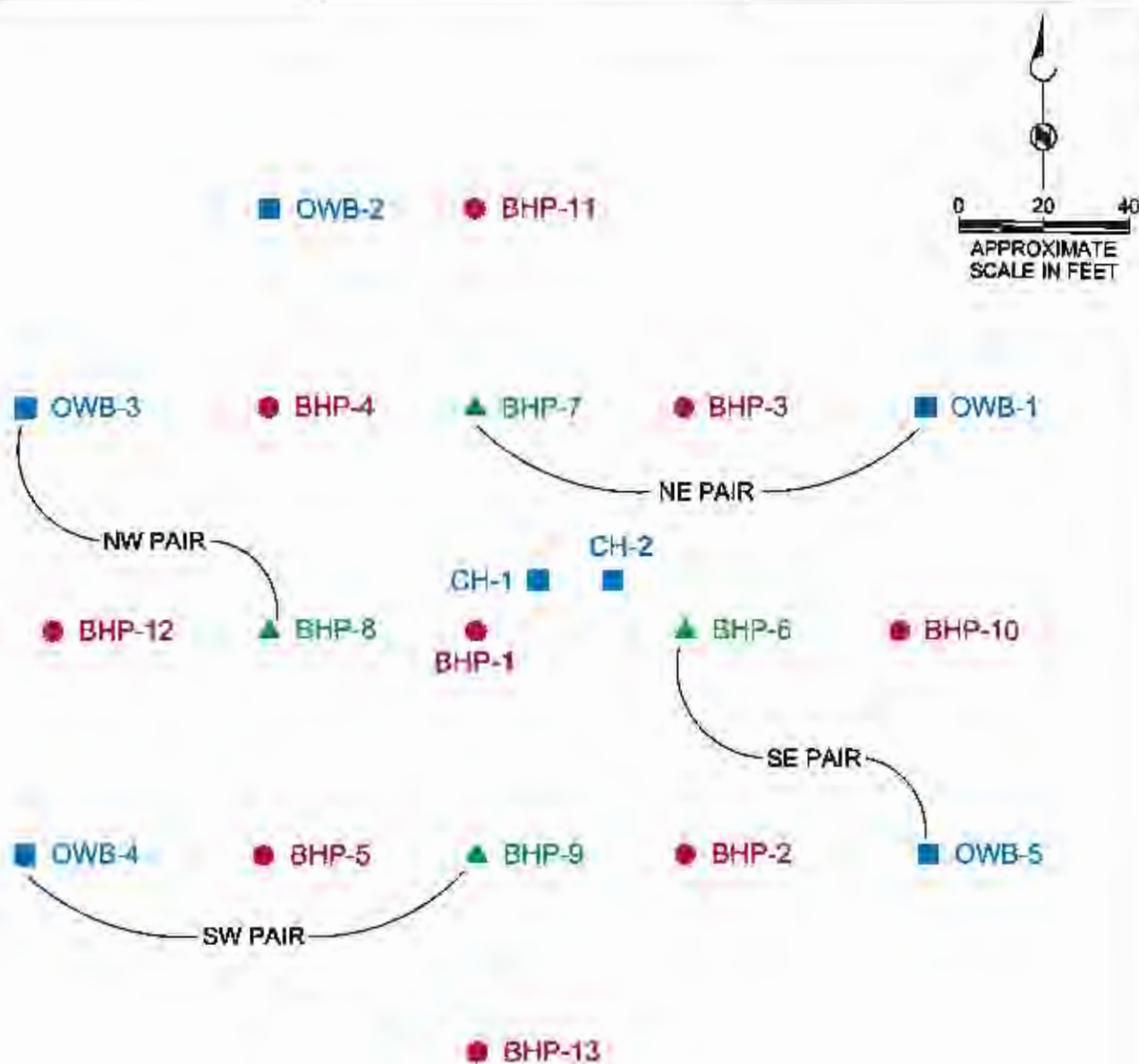


EXPLANATION

- APPROXIMATE PROPERTY BOUNDARY
- STATE LEASE LAND BOUNDARY
- POC MONITORING WELL
- WELL FIELD DETAIL, FIGURE 2

**Brown AND
Caldwell**

Figure 1
MONITORING AREA
FLORENCE COPPER PROJECT
FLORENCE, ARIZONA



EXPLANATION

- BHP-10 RECOVERY WELL (CURRENTLY INACTIVE)
- OWB-2 OBSERVATION WELL
- ▲ BHP-8 INJECTION / PUMPING WELL (RECOVERY MODE SINCE 1998)

Brown AND
Caldwell

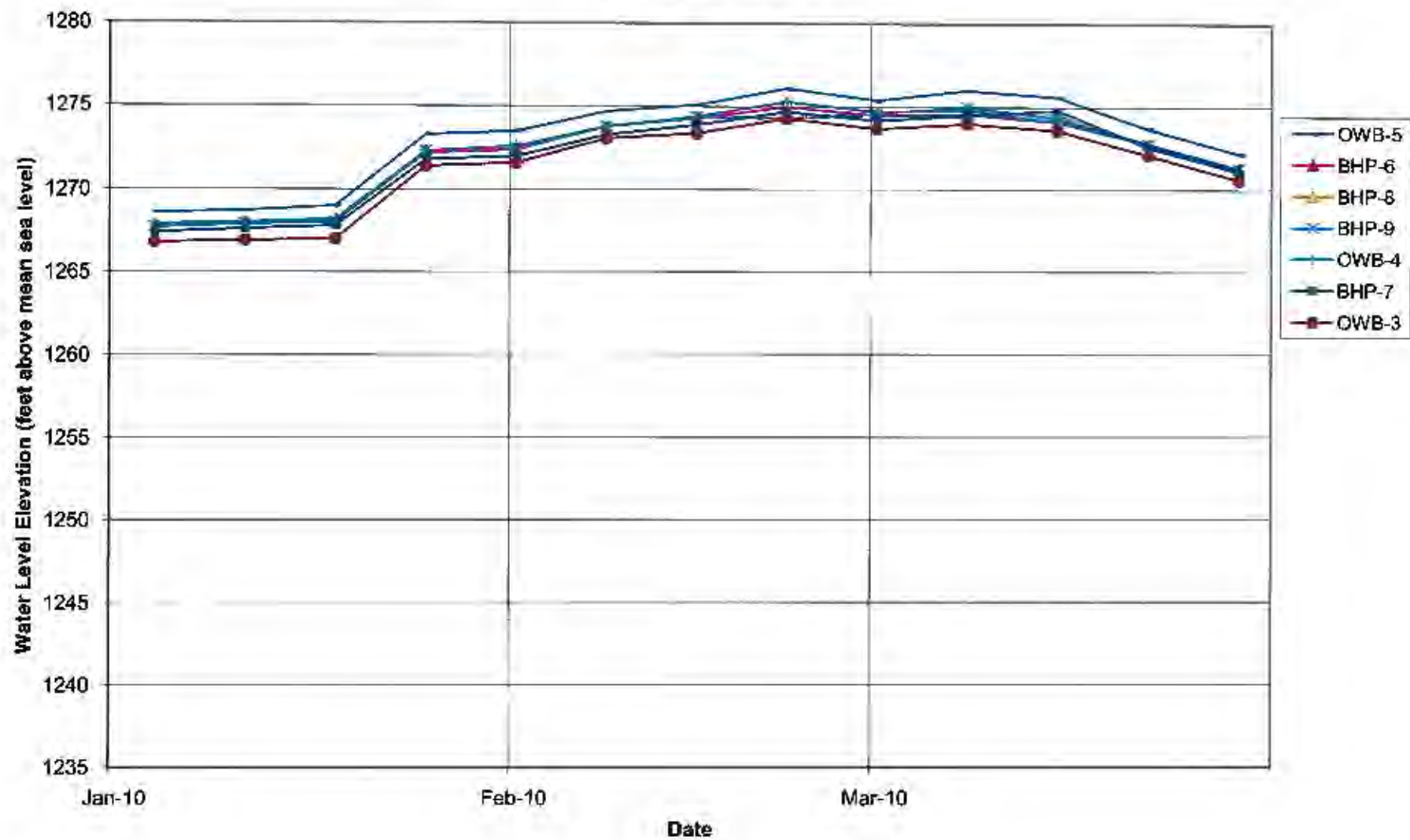
Figure 2
WELL FIELD LAYOUT
FLORENCE COPPER PROJECT
FLORENCE, ARIZONA



ATTACHMENT 1
MINE OPERATIONS MONITORING



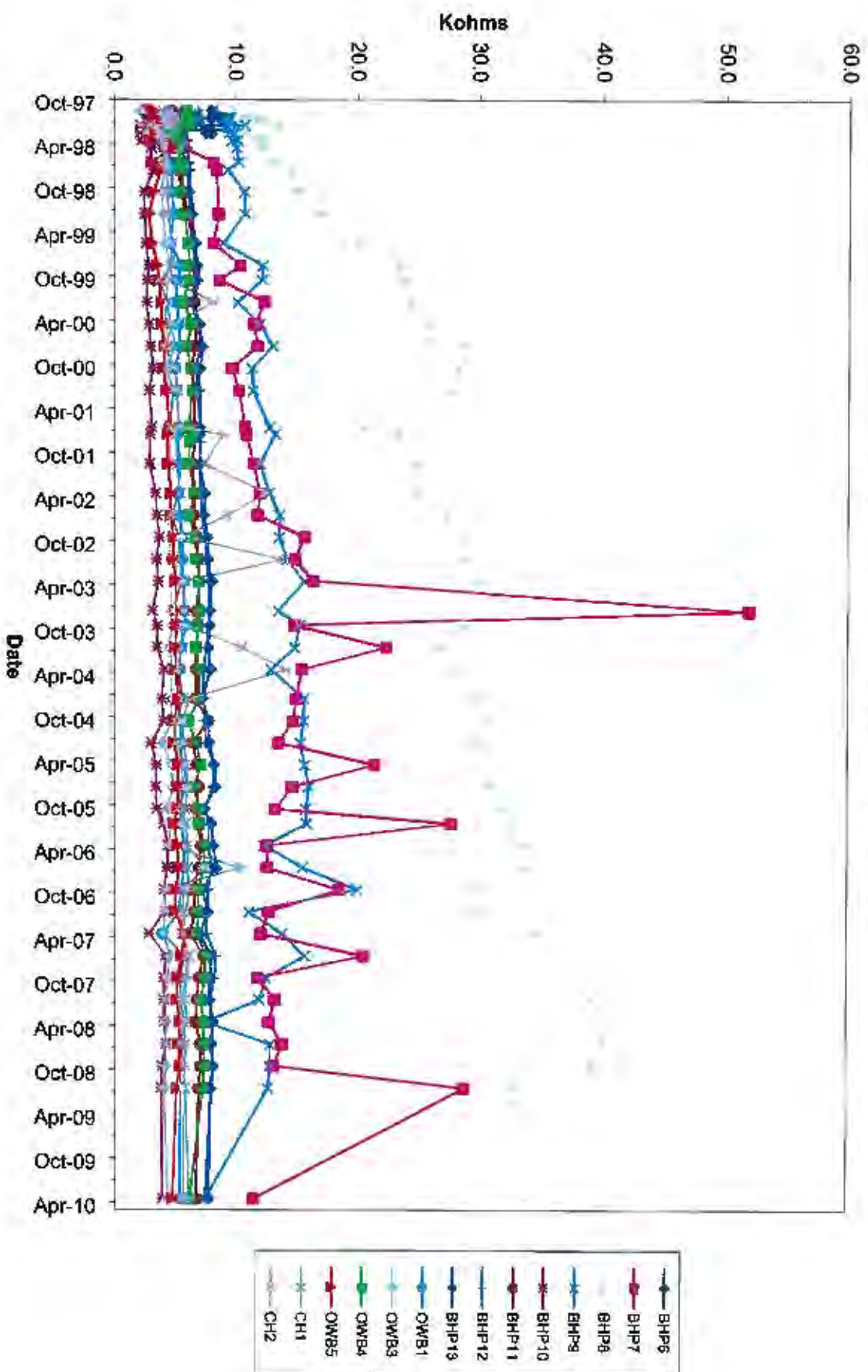
**Figure 1 - Well Field Water Elevations
First Quarter 2010**



**Well Field Water Elevations
First Quarter 2010**

Date	BHP-6	BHP-7	BHP-8	BHP-9	OWB-1	OWB-3	OWB-4	OWB-5
01/04/10	1267.8	1267.4	1267.8	1267.7	1267.4	1266.8	1267.9	1268.6
01/11/10	1267.9	1267.6	1267.9	1267.9	1267.6	1266.9	1268.0	1268.7
01/18/10	1268.1	1267.8	1268.0	1268.0	1267.9	1267.0	1268.2	1269.0
01/25/10	1272.2	1271.8	1272.3	1272.3	1272.1	1271.4	1272.3	1273.3
02/01/10	1272.4	1272.0	1272.5	1272.5	1272.3	1271.6	1272.6	1273.5
02/08/10	1273.8	1273.3	1273.8	1273.8	1273.5	1273.1	1273.8	1274.7
02/15/10	1274.3	1273.9	1274.4	1274.4	1274.1	1273.4	1274.4	1275.1
02/22/10	1275.0	1274.7	1275.3	1274.3	1275.0	1274.3	1275.3	1276.1
03/01/10	1274.5	1274.2	1274.7	1274.6	1274.4	1273.7	1274.7	1275.4
03/08/10	1274.6	1274.5	1274.9	1275.0	1275.6	1274.0	1274.8	1276.0
03/15/10	1274.1	1274.8	1274.5	1274.3	1274.3	1273.6	1274.1	1275.6
03/22/10	1272.8	1272.6	1272.8	1272.8	1272.7	1272.1	1273.8	1273.7
03/29/10	1271.3	1271.1	1271.3	1271.3	1271.2	1270.6	1271.1	1272.2
Water Level Elevations (feet AMSL)								

Figure 2 - Annular Resistivity in Kohms





ATTACHMENT 2

POC QUARTERLY COMPLIANCE MONITORING REPORT



**FLORENCE COPPER PROJECT
QUARTERLY COMPLIANCE MONITORING REPORT
FIRST QUARTER 2010**



Primary Sampling Activities

Quarterly and biennial compliance monitoring was conducted for the Florence Copper Project on February 15 through March 3, 2010 (First Quarter 2010). Groundwater sampling and analysis was conducted in accordance with the requirements of Aquifer Protection Permit (APP) Number 101704, Part IIE.3.d (Compliance Monitoring). Quarterly parameters, as listed in Part IV Table III.B of the APP were analyzed from the designated Point of Compliance (POC) wells. The quarterly parameters are magnesium, sulfate, fluoride, and total dissolved solids (TDS). During this quarter, biennial parameters were also analyzed. The biennial parameters, as listed in Part IV, Table III.C, are shown in Table 1 of this report. Radium 226 and radium 228 were only analyzed if gross alpha exceeded 5.0 picocuries per liter (pCi/L). Total uranium was only analyzed if gross alpha exceeded 15.0 pCi/L.

Analyses of the samples were conducted by TestAmerica Laboratories. Radiochemical analyses were provided by Radiation Safety Engineering. Analytical results for the POC wells for the indicator parameters are provided in Table 2 and field parameters measured during sampling are indicated in Table 3. Common ions are presented in Table 4, formation-related radiochemicals are presented in Table 5, process-related organics are presented in Table 6, and trace inorganics (metals) are presented in Table 7.

During the First Quarter 2010 sampling event, 29 POC wells were sampled and a total of 1,218 constituents were analyzed. Two POC wells (M32-UBF and M33-UBF) were dry and could not be sampled. Of the 1,218 constituents analyzed, none had reported concentrations exceeding the approved alert levels (ALs).

One result for nitrate in M27-LBF exceeded an Aquifer Water Quality Standard (AWQS). No AL or Aquifer Quality Limit (AQL) has been set for nitrate in this well. The result is within two standard deviations of the historical average for the well. No increase in nitrate was observed in wells M28-LBF or M29-UBF which are located within 100 feet of M27-UBF, and are screened above and below M27-UBF respectively. This result is likely the result of a natural change to the aquifer conditions.

All other results were similar to past results for Level II parameters. No trends or unusual changes were observed that would be indicative of in-situ mining related impacts.

For the four indicator parameters, an upward trend for magnesium and a downward trend for fluoride has been observed in the upper aquifer. Upward trends have also been observed in upgradient wells M2-GU and M18-GU for magnesium, sulfate, and TDS. Site-wide water levels have declined more than 50 feet in all three aquifer zones which has likely contributed to these changes in aquifer conditions.

AL Exceedances and Verification Sampling

Part II.F.4 of the APP (AL, AQL, and Discharge Limit [DL] Contingencies) requires verification sampling for an AL exceedance. There were no AL exceedances during this quarterly sampling. No verification sampling was required.

Contingency Sampling Plan to be Implemented During Second Quarter 2010

There were no AL exceedances verified during this quarterly sampling. No contingency sampling plan is required during the Second Quarter of 2010.

Results of Contingency Sampling Plan Implemented from Previous Event

There were no AL exceedances during the previous event conducted in the Fourth Quarter 2008. Therefore, no contingency sampling plan was implemented.

Issues

There were no other issues to report during the First Quarter 2010.

TABLE 1. SUMMARY OF BIENNIAL GROUNDWATER MONITORING PARAMETERS

ANALYSIS	METHOD	PRESERVATIVE
Quarterly Parameters		
Fluoride	EPA 300.0	None
Magnesium	EPA 200.7	HNO ₃
Sulfate	EPA 300.0	None
Total dissolved solids	SM 2540C	None
Common Ions		
pH	EPA 150.1	None
Bicarbonate alkalinity	SM 2320B	None
Carbonate alkalinity	SM 2320B	None
Calcium	EPA 200.7	HNO ₃
Chloride	EPA 300.0	None
Nitrate as N	EPA 300.0	None
Potassium	EPA 200.7	HNO ₃
Sodium	EPA 200.7	HNO ₃
Cation/anion balance	Calculation	
Formation-Related Radiochemicals		
Gross alpha	EPA 600/00-02	None
Radium 226 (if gross alpha >5.0)	EPA 903.1	None
Radium 228 (if gross alpha >5.0)	EPA 904	None
Total Uranium (if G. Alpha >15.0)	EPA 00-07	None
Process-Related Organics		
Extractable fuel hydrocarbons (diesel range organics)	EPA 8015D	None
Benzene	EPA 8260B	HCl
Ethylbenzene	EPA 8260B	HCl
Toluene	EPA 8260B	HCl
Total xylene	EPA 8260B	HCl
Trace Inorganics (Metals)		
Aluminum	EPA 200.7	HNO ₃
Antimony	EPA 200.8	HNO ₃
Arsenic	EPA 200.8	HNO ₃
Barium	EPA 200.8	HNO ₃
Beryllium	EPA 200.7	HNO ₃
Cadmium	EPA 200.7	HNO ₃
Chromium total	EPA 200.8	HNO ₃
Cobalt	EPA 200.8	HNO ₃
Copper	EPA 200.8	HNO ₃
Iron	EPA 200.7	HNO ₃
Lead	EPA 200.8	HNO ₃
Manganese	EPA 200.8	HNO ₃
Mercury	EPA 245.1	HNO ₃
Nickel	EPA 200.8	HNO ₃
Selenium	EPA 200.8	HNO ₃
Thallium	EPA 200.8	HNO ₃
Zinc	EPA 200.8	HNO ₃

TABLE 2. SUMMARY OF ANALYTICAL RESULTS, QUARTERLY PARAMETERS

Well ID	Sample Date	Magnesium		Sulfate		Fluoride		Total Dissolved Solids	
		Concentration	Alert Level	Concentration	Alert Level	Concentration	Alert Level	Concentration	Alert Level
M1-GL	Feb 16 2010	22.0	31	108	109	0.66	1.3	700	1028
M2-GU	Feb 16 2010	35.0	39	151	275	0.79	1.4	820	1496
M3-GL	Feb 16 2010	20.0	36	133	187	0.7	1.3	660	1157
M4-O	Feb 16 2010	4.6	15	57	405	2.7	5.1	450	1072
M6-GU	Feb 15 2010	2.8	5.1	54	86	0.68	1.3	390	620
M7-GL	Feb 15 2010	<0.25	1	36	82	0.86	1.7	320	464
M8-O	Feb 15 2010	<0.25	1	75	122	2.1	3.6	380	609
M8-O (Dup)	Feb 15 2010	<0.25	1	73	122	2.0	3.6	420	609
M14-GL	Feb 15 2010	2.1	23	61	144	0.6	1.4	440	874
M15-GU	Feb 15 2010	28.0	44	89	126	0.45	1.2	830	1359
M16-GU	Feb 16 2010	32.0	52	193	248	0.49	1.1	1100	1635
M16-GU (Dup)	Feb 16 2010	31.0	52	191	248	0.51	1.1	960	1635
M17-GL	Feb 16 2010	5.6	9.3	116	209	0.72	1.6	510	831
M18-GU	Feb 16 2010	24.0	56	202	288	0.88	1.6	840	1323
M19-LBF	Feb 18 2010	11.0	21	58	89	0.48	1	480	794
M20-O	Feb 18 2010	8.2	14	71	112	0.79	1.7	630	809
M21-LBF	Feb 18 2010	19.0	87	140	487	0.89	1.1	730	2867
M22-O	Feb 15 2010	6.0	8.6	55	86	0.68	1.3	450	1094
M23-LBF	Feb 15 2010	31.0	69	249	411	0.68	1.3	1100	2392
M24-O	Feb 16 2010	10.0	19	808	1364	1.0	2.5	1300	2363
M25-LBF	Feb 16 2010	25.0	76	200	387	0.81	1.6	930	2683
M26-O	Feb 18 2010	<0.25	1	66	105	1.7	3.4	370	556
M27-LBF	Feb 18 2010	33.0	51	159	179	<0.8	1	1100	1745
M28-LBF	Feb 18 2010	1.4	2.6	52	81	0.75	1.6	400	610
M29-LBF	Feb 18 2010	25.0	84	213	465	<0.8	1.1	940	2751
M30-O	Feb 18 2010	10.0	18	62	102	0.75	1.6	370	824
M31-LBF	Feb 18 2010	16.0	46	132	330	0.95	1.3	510	1665
O19-GL	Feb 15 2010	9.4	17	59	99	0.48	1.4	520	770
O49-GL	Mar 03 2010	9.5	18	70	159	<0.4	1	540	849
P19-I-O	Feb 15 2010	6.4	12	65	107	1.4	2.8	450	767
P49-O	Feb 18 2010	3.3	6.2	104	181	0.97	2	530	801
P49-O (Dup)	Feb 18 2010	3.1	6.2	103	181	0.98	2	450	801
Arizona Aquifer Water Quality Standard		-		-		4		-	
All results in milligrams per liter (mg/l)									
< = less than the laboratory practical quantitation limit									

TABLE 3. SUMMARY OF QUARTERLY FIELD PARAMETERS

Well ID	Sample Date	Temperature (°C)	Temperature (°F)	pH	Conductivity (µmhos/cm)
M1-GL	Feb 16 2010	21.7	71.1	7.56	1032
M2-GU	Feb 16 2010	19.5	67.1	7.44	1190
M3-GL	Feb 16 2010	21.3	70.3	7.57	1004
M4-O	Feb 16 2010	23.2	73.8	7.47	628
M6-GU	Feb 14 2010	23.9	75.0	8.60	655
M7-GL	Feb 13 2010	23.1	73.6	9.36	471
M8-O	Feb 14 2010	27.8	82.0	8.87	644
M14-GL	Feb 15 2010	27.3	81.1	8.48	796
M15-GU	Feb 15 2010	25.1	77.2	7.56	1366
M16-GU	Feb 16 2010	23.0	73.4	7.54	1485
M17-GL	Feb 15 2010	26.9	80.4	8.43	807
M18-GU	Feb 16 2010	19.9	67.8	7.36	1279
M19-LBF	Feb 18 2010	23.6	74.5	7.71	770
M20-O	Feb 16 2010	24.4	75.9	7.52	745
M21-UBF	Feb 18 2010	23.3	73.9	7.45	1171
M22-O	Feb 14 2010	28.3	82.9	8.09	785
M23-UBF	Feb 15 2010	22.5	72.5	7.16	1641
M24-O	Feb 16 2010	29.6	85.3	7.83	1896
M25-UBF	Feb 16 2010	20.5	68.9	7.36	1298
M26-O	Feb 18 2010	28.7	83.7	8.68	573
M27-LBF	Feb 18 2010	22.9	73.2	7.54	1603
M28-LBF	Feb 18 2010	26.3	79.3	8.39	663
M29-UBF	Feb 18 2010	22.6	72.7	7.24	1403
M30-O	Feb 18 2010	24.1	75.4	7.43	776
M31-LBF	Feb 18 2010	22.5	72.5	7.54	1048
O19-GL	Feb 15 2010	23.9	75.0	7.80	765
O49-GL	Mar 03 2010	26.5	79.7	7.69	904
P19-L-O	Feb 15 2010	24.8	76.6	7.63	721
P49-O	Feb 18 2010	27.2	81.0	7.76	767

**TABLE 4. SUMMARY OF COMMON INORGANIC ANALYTICAL RESULTS,
BIENNIAL PARAMETERS**

Well ID	Sample Date	Bicarbonate Alkalinity	Carbonate Alkalinity	Calcium	Chloride	Nitrate as N	Potassium	Sodium	pH	Ion Balance
M1-GL	Feb 16 2010	150	<6	90	210	4.2	4.9	110	8.04	1.98
M2-GU	Feb 16 2010	200	<6	100	220	7.9	4.6	150	8.01	3.45
M3-GL	Feb 16 2010	150	<6	84	170	3.3	4.9	110	8.05	3.35
M4-O	Feb 16 2010	87	<6	21	110	0.31	3.8	120	7.89	7.41
M6-GU	Feb 15 2010	48	<6	16	140	0.36	3.2	110	8.4	<0.05
M7-GL	Feb 15 2010	82	15	2.8	74	<0.2	<2	100	9.28	<2.57
M8-O	Feb 15 2010	150	<6	2.5	47	0.86	<2	140	8.72	6.37
M8-O (Dup)	Feb 15 2010	150	<6	2.3	45	0.87	<2	130	8.69	3.62
M14-GL	Feb 15 2010	65	<6	18	160	0.86	3	130	8.26	<0.67
M15-GU	Feb 15 2010	120	<6	98	310	6.1	5.6	130	7.66	1.19
M16-GU	Feb 16 2010	150	<6	130	300	9.3	6.3	160	7.47	3.8
M16-GU (Dup)	Feb 16 2010	150	<6	130	300	9.3	6.1	150	7.98	2.16
M17-GL	Feb 16 2010	91	<6	28	120	0.3	4.8	120	8.23	<1.48
M18-GU	Feb 16 2010	230	<6	110	200	9.6	4.6	160	7.99	2.7
M19-LBF	Feb 18 2010	130	<6	49	150	0.56	3.7	82	7.98	<4.05
M20-O	Feb 18 2010	110	<6	39	140	<0.2	4.8	89	7.89	<4.46
M21-UBF	Feb 18 2010	180	<6	78	200	7.5	3.9	120	7.89	<4.01
M22-O	Feb 15 2010	90	<6	32	140	0.71	3.8	100	8.02	<0.57
M23-UBF	Feb 15 2010	230	<6	150	280	9.6	5.4	180	7.35	3.68
M24-O	Feb 16 2010	77	<6	130	58	0.45	4.8	260	7.71	<2.8
M25-UBF	Feb 16 2010	200	<6	110	220	7.2	5	160	7.31	2.91
M26-O	Feb 18 2010	140	<6	2.4	39	1.1	<2	110	8.4	0.29
M27-LBF	Feb 18 2010	99	<6	130	400	11	5.7	130	7.82	<4.49
M28-LBF	Feb 18 2010	85	<6	13	130	0.28	2.7	110	8.17	<4.75
M29-UBF	Feb 18 2010	240	<6	100	210	8.2	4.7	150	7.85	<2.39
M30-O	Feb 18 2010	120	<6	43	150	0.42	4.3	84	7.89	<5.32
M31-LBF	Feb 18 2010	170	<6	69	170	6.3	3.9	120	7.96	<1.73
O19-GL	Feb 15 2010	110	<6	44	140	0.35	4.5	100	7.88	2.93
O49-GL	Mar 03 2010	130	<6	51	160	1.8	4.3	110	7.74	0.56
P19-I-O	Feb 15 2010	120	<6	32	120	0.21	4	110	7.75	1.66
P49-O	Feb 18 2010	100	<6	27	100	0.23	3.2	120	7.96	2.4
P49-O (Dup)	Feb 18 2010	100	<6	26	100	0.22	3	110	7.91	<1.41
Alert Level		-	-	-	-	-	-	-	-	-
AWQS		-	-	-	-	10	-	-	-	-

All results in milligrams per liter (mg/L), except pH in pH units, and Ion Balance, a calculation

<= less than detection limit

AWQS = Arizona Aquifer Water Quality Standard

TABLE 5. SUMMARY OF RADIOCHEMICAL ANALYTICAL RESULTS, BIENNIAL PARAMETERS

Well ID	Sample Date	Gross Alpha	Radium 226	Radium 228	Total Radium
M1-GL	Feb 16 2010	5.0 ± 1.1	<0.4	<0.4	<0.4
M2-GU	Feb 16 2010	5.8 ± 1.1	<0.5	<0.5	<0.5
M3-GL	Feb 16 2010	4.4 ± 1.0	<0.3	<0.4	<0.4
M4-O	Feb 16 2010	3.2 ± 0.9	0.6 ± 0.1	<0.4	0.6 ± 0.1
M6-GU	Feb 15 2010	2.8 ± 0.8	<0.6	<0.4	<0.6
M7-GL	Feb 15 2010	2.9 ± 0.8	<0.4	<0.4	<0.4
M8-O	Feb 15 2010	13.7 ± 1.8	<0.4	<0.4	<0.4
M8-O (Dup)	Feb 15 2010	12.6 ± 1.7	<0.5	<0.4	<0.5
M14-GL	Feb 15 2010	2.3 ± 0.7	<0.5	<0.4	<0.5
M15-GU	Feb 15 2010	5.8 ± 1.1	<0.3	<0.4	<0.4
M16-GU	Feb 16 2010	6.2 ± 1.2	<0.5	<0.4	<0.5
M16-GU (Dup)	Feb 16 2010	5.7 ± 1.1	<0.4	<0.4	<0.4
M17-GL	Feb 16 2010	1.9 ± 0.6	0.9 ± 0.1	<0.4	0.9 ± 0.1
M18-GU	Feb 16 2010	7.4 ± 1.3	<0.4	<0.4	<0.4
M19-LBF	Feb 18 2010	5.3 ± 1.1	<0.3	<0.4	<0.4
M20-O	Feb 18 2010	3.6 ± 0.9	<0.3	<0.4	<0.4
M21-UBF	Feb 18 2010	5.0 ± 1.1	<0.4	<0.4	<0.4
M22-O	Feb 15 2010	4.4 ± 1.0	0.4 ± 0.1	<0.3	0.4 ± 0.1
M23-UBF	Feb 15 2010	6.7 ± 1.3	<0.4	<0.3	<0.4
M24-O	Feb 16 2010	7.6 ± 1.3	<0.4	<0.4	<0.4
M25-UBF	Feb 16 2010	6.9 ± 1.3	<0.5	<0.4	<0.5
M26-O	Feb 18 2010	7.8 ± 1.3	0.3 ± 0.1	<0.4	0.3 ± 0.1
M27-LBF	Feb 18 2010	9.6 ± 1.5	<0.5	<0.5	<0.5
M28-LBF	Feb 18 2010	3.6 ± 0.9	<0.4	<0.4	<0.4
M29-UBF	Feb 18 2010	8.1 ± 1.4	<0.3	<0.4	<0.4
M30-O	Feb 18 2010	9.6 ± 1.5	<0.3	<0.4	<0.4
M31-LBF	Feb 18 2010	5.0 ± 1.0	<0.3	<0.4	<0.4
O19-GL	Feb 15 2010	11.3 ± 2.7	<0.5	<0.4	<0.5
O49-GL	Mar 03 2010	5.2 ± 1.1	<0.5	<0.4	<0.5
P19-I-O	Feb 15 2010	5.5 ± 1.1	<0.4	<0.4	<0.4
P49-O	Feb 18 2010	6.3 ± 1.2	<0.3	<0.4	<0.4
P49-O (Dup)	Feb 18 2010	6.2 ± 1.2	0.3 ± 0.1	<0.4	0.3 ± 0.1
Alert Level		15	-	-	4
Arizona Aquifer Water Quality Standard		-	-	-	5
<p>All results in pico-curies per liter +/- a standard deviation of two (pCi/L +/- 1σ)</p> <p>< = less than detection limit</p> <p>Radium 226 and Radium 228 are analyzed when Gross Alpha exceeds 5.0</p> <p>Total Radium = Radium 226 + Radium 228</p>					

**TABLE 6. SUMMARY OF ORGANIC ANALYTICAL
RESULTS, BIENNIAL PARAMETERS**

Well ID	Sample Date	Benzene	Ethylbenzene	Toluene	Total Xylene	Total Petroleum Hydrocarbons-Diesel
M1-GL	Feb 16 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M2-GU	Feb 16 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M3-GL	Feb 16 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M4-O	Feb 16 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M6-GU	Feb 15 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M7-GL	Feb 15 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M8-O	Feb 15 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M8-O (Dup)	Feb 15 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M14-GL	Feb 15 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M15-GU	Feb 15 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M16-GU	Feb 16 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M16-GU (Dup)	Feb 16 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M17-GL	Feb 16 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M18-GU	Feb 16 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M19-LBF	Feb 18 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M20-O	Feb 18 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M21-UBF	Feb 18 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M22-O	Feb 15 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M23-UBF	Feb 15 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M24-O	Feb 16 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M25-UBF	Feb 16 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M26-O	Feb 18 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M27-LBF	Feb 18 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M28-LBF	Feb 18 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M29-UBF	Feb 18 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M30-O	Feb 18 2010	<0.002	<0.002	<0.002	<0.01	<0.1
M31-LBF	Feb 18 2010	<0.002	<0.002	<0.002	<0.01	<0.1
O19-GL	Feb 15 2010	<0.002	<0.002	<0.002	<0.01	<0.1
O49-GL	Mar 03 2010	<0.002	<0.002	<0.002	<0.01	<0.1
P19-1-O	Feb 15 2010	<0.002	<0.002	<0.002	<0.01	<0.1
P49-O	Feb 18 2010	<0.002	<0.002	<0.002	<0.01	<0.1
P49-O (Dup)	Feb 18 2010	<0.002	<0.002	<0.002	<0.01	<0.1
Alert Level		0.0025	0.35	0.5	5	R
AWQS		0.005	0.7	1	10	-
All results are in milligrams per liter (mg/L) < = less than detection limit AWQS = Arizona Aquifer Water Quality Standard R = Reserved						

TABLE 7. SUMMARY OF TRACE METAL ANALYTICAL RESULTS, BIENNIAL PARAMETERS

Well ID	Sample Date	Aluminium	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Nickel	Selenium	Thallium	Zinc
M1-GL	Feb 16 2010	<0.2	<0.003	0.0018	0.025	<0.001	<0.001	0.0012	<0.001	0.0011	<0.05	<0.001	<0.005	<0.0002	0.0037	<0.002	<0.001	<0.05
M2-GU	Feb 16 2010	<0.2	<0.003	0.0028	0.046	<0.001	<0.001	<0.001	0.0017	0.0015	<0.05	<0.001	<0.005	<0.0002	0.0024	<0.002	<0.001	<0.05
M3-GL	Feb 16 2010	<0.2	<0.003	0.0017	0.024	<0.001	<0.001	0.0013	0.0035	0.0013	<0.05	<0.001	<0.005	<0.0002	0.0053	<0.002	<0.001	<0.05
M4-O	Feb 16 2010	<0.2	<0.003	<0.001	0.0074	<0.001	<0.001	0.0016	<0.001	0.0028	<0.05	<0.001	<0.005	<0.0002	0.0013	0.0022	<0.001	<0.05
M6-GU	Feb 15 2010	<0.2	<0.003	0.0011	0.0041	<0.001	<0.001	0.0076	<0.001	0.0012	<0.05	<0.001	<0.005	<0.0002	<0.001	<0.002	<0.001	<0.05
M7-GL	Feb 15 2010	<0.2	<0.003	0.0034	0.0048	<0.001	<0.001	<0.001	0.003	0.0012	<0.05	<0.001	0.0077	<0.0002	<0.001	<0.002	<0.001	<0.05
M8-O	Feb 15 2010	<0.2	<0.003	<0.001	0.0011	<0.001	<0.001	0.012	<0.001	0.0017	<0.05	<0.001	<0.005	<0.0002	<0.001	0.005	<0.001	<0.05
M8-O (Dup)	Feb 15 2010	<0.2	<0.003	<0.001	0.0012	<0.001	<0.001	0.011	<0.001	0.0017	<0.05	<0.001	<0.005	<0.0002	<0.001	0.0058	<0.001	<0.05
M14-GL	Feb 15 2010	<0.2	<0.003	<0.001	0.018	<0.001	<0.001	0.003	0.0027	0.0013	<0.05	<0.001	<0.005	<0.0002	<0.001	<0.002	<0.001	<0.05
M15-GU	Feb 15 2010	<0.2	<0.003	0.0018	0.005	<0.001	<0.001	0.0017	<0.001	0.0015	<0.05	<0.001	<0.005	<0.0002	0.0029	<0.002	<0.001	<0.05
M16-GU	Feb 16 2010	<0.2	<0.003	0.0014	0.0068	<0.001	<0.001	<0.001	0.0017	0.0018	<0.05	<0.001	0.031	<0.0002	0.003	<0.002	<0.001	<0.05
M16-GU (Dup)	Feb 16 2010	<0.2	<0.003	0.0015	0.0072	<0.001	<0.001	<0.001	0.0023	0.0028	<0.05	<0.001	0.036	<0.0002	0.0058	0.002	<0.001	<0.05
M17-GL	Feb 16 2010	<0.2	<0.003	<0.001	0.0081	<0.001	<0.001	0.0018	<0.001	0.0012	<0.05	<0.001	0.0052	<0.0002	<0.001	0.0022	<0.001	<0.05
M18-GU	Feb 16 2010	<0.2	<0.003	0.0025	0.049	<0.001	<0.001	<0.001	0.0022	0.0018	<0.05	<0.001	<0.005	<0.0002	0.0028	<0.002	<0.001	<0.05
M19-LBF	Feb 18 2010	<0.2	<0.003	0.0015	0.033	<0.001	<0.001	<0.001	<0.001	0.0011	<0.05	<0.001	0.01	<0.0002	0.0018	<0.002	<0.001	<0.05
M20-O	Feb 18 2010	<0.2	<0.003	<0.001	0.0092	<0.001	<0.001	<0.001	<0.001	0.0013	0.22	<0.001	0.14	<0.0002	0.0017	<0.002	<0.001	<0.05
M21-UBF	Feb 18 2010	<0.2	<0.003	0.0032	0.047	<0.001	<0.001	<0.001	<0.001	0.002	<0.05	<0.001	<0.005	<0.0002	0.0032	<0.002	<0.001	<0.05
M22-O	Feb 15 2010	<0.2	<0.003	<0.001	0.0042	<0.001	<0.001	<0.001	<0.001	0.0012	0.069	<0.001	0.014	<0.0002	<0.001	<0.002	<0.001	<0.01
M23-UBF	Feb 15 2010	<0.2	<0.003	0.002	0.074	<0.001	<0.001	0.0011	0.0019	0.0019	<0.05	<0.001	<0.005	<0.0002	0.0049	<0.002	<0.001	<0.05
M24-O	Feb 16 2010	<0.2	<0.003	<0.001	0.0077	<0.001	<0.001	0.0041	0.0019	0.0028	<0.05	<0.001	<0.005	<0.0002	0.0029	0.011	<0.001	<0.05
M25-UBF	Feb 16 2010	<0.2	<0.003	0.0021	0.056	<0.001	<0.001	0.001	<0.001	0.0021	<0.05	<0.001	<0.005	<0.0002	0.0029	<0.002	<0.001	<0.05
M26-O	Feb 18 2010	<0.2	<0.003	0.0019	0.0012	<0.001	<0.001	0.0063	<0.001	0.0016	<0.05	<0.001	<0.005	<0.0002	<0.001	0.0049	<0.001	<0.05
M27-LBF	Feb 18 2010	<0.2	<0.003	0.0027	0.034	<0.001	<0.001	0.0012	<0.001	0.0022	<0.05	<0.001	<0.005	<0.0002	0.0055	<0.002	<0.001	<0.05
M28-LBF	Feb 18 2010	<0.2	<0.003	0.0013	0.0057	<0.001	<0.001	0.0016	<0.001	0.0016	0.15	<0.001	0.01	<0.0002	<0.001	<0.002	<0.001	<0.05
M29-UBF	Feb 18 2010	<0.2	<0.003	0.0028	0.056	<0.001	<0.001	<0.001	<0.001	0.0024	<0.05	<0.001	<0.005	<0.0002	0.0043	<0.003	<0.001	<0.05
M30-O	Feb 18 2010	<0.2	<0.003	0.001	0.015	<0.001	<0.001	<0.001	0.0029	0.0012	0.75	<0.001	0.027	<0.0002	0.0021	<0.002	<0.001	<0.05
M31-LBF	Feb 18 2010	<0.2	<0.003	0.0026	0.04	<0.001	<0.001	<0.001	<0.001	0.0017	0.097	<0.001	<0.005	<0.0002	0.0026	<0.002	<0.001	<0.05
P19-GL	Feb 15 2010	<0.2	<0.003	0.0011	0.034	<0.001	<0.001	0.0013	<0.001	0.0011	<0.05	<0.001	<0.005	<0.0002	0.0014	<0.002	<0.001	<0.05
P49-GL	Mar 03 2010	<0.2	<0.003	<0.001	0.0047	<0.001	<0.001	0.0023	<0.001	0.0019	<0.05	<0.001	<0.005	<0.0002	0.0014	<0.002	<0.001	<0.01
P19-I-O	Feb 15 2010	<0.2	<0.003	0.0012	0.0068	<0.001	<0.001	<0.001	<0.001	0.0015	<0.05	<0.001	<0.005	<0.0002	<0.001	0.0028	<0.001	<0.05
P49-O	Feb 18 2010	<0.2	<0.003	<0.001	0.0025	<0.001	<0.001	0.0027	<0.001	0.012	<0.05	<0.001	<0.005	<0.0002	0.001	0.0033	<0.001	<0.05
P49-O (Dup)	Feb 18 2010	<0.2	<0.003	<0.001	0.0025	<0.001	<0.001	0.0026	<0.001	0.0087	<0.05	<0.001	<0.005	<0.0002	0.001	<0.002	<0.001	<0.05
Lowest Action Level		0.71	0.005	0.026	1	0.0032	0.005	0.061	0.005	0.51	2.2	0.026	0.22	0.0011	0.08	0.027	0.002	2.5
Arizona Aquifer Water Quality Standard		-	0.006	0.05	2	0.004	0.005	0.1	-	-	-	0.05	-	0.002	0.1	0.05	0.002	-

All results in milligrams per liter (mg/L)

< = less than detection limit

AQL = Aquifer quality limit

Lowest Action Level = Lowest alert level or AQL; a higher value may apply to individual results wells.

R = Reserved