



February 27, 2007

Mr. Keith I. McConnell
Deputy Director
Decommissioning & Uranium Recovery Licensing Directorate
Division of Waste Management and Environmental Protection
Office of Federal & State Materials & Environmental Management Programs
Mail Stop T7-E18
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Rockville, Maryland 20852-2738

Re: Docket No. 40-6622, License No. SUA-442

Dear Mr. McConnell:

Enclosed please find two copies of the semi-annual ground water monitoring report as required by SUA-442 license condition 47C. This report presents data through the fourth quarter, 2006; historical data are included in the concentration versus time plots that are required by condition 47C. Please call me if you have any questions regarding the report.

Sincerely,

A handwritten signature in cursive script that reads 'Tom Hardgrove'.

T. W. Hardgrove
Manager, Reclamation Operations

Enclosure

cc: D. B. Spitzberg, U.S. NRC – Region IV
B. Bonifas

**SEMI-ANNUAL
GROUND-WATER MONITORING
FOR SHIRLEY BASIN MINE**

PREPARED FOR:

**PATHFINDER MINES CORPORATION
SHIRLEY BASIN MINE**

BY:

HYDRO-ENGINEERING, L.L.C.

February, 2007

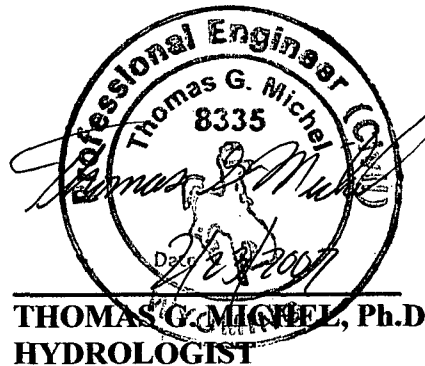


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1.0 Introduction and Summary of Results

This semi-annual report presents the results of ground-water monitoring and surface-water monitoring through sampling in November 2006 for Pathfinder Mines Corporation's Shirley Basin mill and tailings facility. This report is the third in the series of semi-annual reports required NRC License SUA-442, License Condition 47.C.

The following table lists the site standards that are in effect for POC wells NP01 and RPI-19B which are located to the east of the Shirley Basin tailings facility. The tabulation also lists the measured November 2006 concentrations for the POC wells. All of the present concentrations in the POC wells are at levels below detection or are significantly below the corresponding site standards.

TABLE 1. GROUND-WATER PROTECTION STANDARDS AND NOVEMBER 2006 WATER-QUALITY DATA FOR POINT-OF-COMPLIANCE WELLS NP01 AND RPI-19B.				
		WELL NP01		WELL RPI-19B
	POC WELL NP01	NOV. 2006	POC WELL RPI-19B	NOV. 2006
CONSTITUENT	SITE STANDARD	SAMPLE RESULTS	SITE STANDARD	SAMPLE RESULTS
ARSENIC	0.05	0.005	0.05	0.002
BARIUM	1.00	<0.1	1.00	<0.1
BERYLLIUM	0.02	<0.01	0.02	<0.01
CADMIUM	0.01	<0.01	0.01	<0.01
CHROMIUM	0.05	<0.05	0.05	<0.05
GROSS ALPHA	15	1.30	15	<1
LEAD	0.05	<0.05	0.05	<0.05
MOLYBDENUM	0.10	<0.10	0.10	<0.10
NICKEL	0.05	<0.05	0.05	<0.05
RA-226 + RA-228	12.70	<2.0	13.76	<1.2
SELENIUM	0.158	0.052	0.163	0.0020
THORIUM-230	5.53	<0.2	5.76	<0.2
URANIUM	4.40	0.0848	4.45	0.0668
CHLORIDE	3275	89	3712	68
TDS	11529	534	12641	572
SULFATE	4612	138	5056	184
NOTE: All concentrations in mg/l except for radium, thorium, and gross alpha in pCi/l.				

2.0 Piezometric Data

The water-level data collected during 2005 and early 2006 are presented in Table 2 along with the 2004 water-level data to provide some indication of recent trends. Figure 1 presents the piezometric surface of the Surficial aquifer in the area between the tailings and Spring Creek. Figure 2 presents plots of the water-level elevation versus time for wells MC-14, RPI-14, NP01, RPI-19B, and RPI-18A. The corresponding water-level elevation or constituent concentration is posted adjacent to the well location on the plan view figures of the area (such as Figure 1). Water-level elevations in 2004 and 2005 have reflected some decay of the ground-water mounds in the area of the recharge lines. This decay of the ground-water mounds can be attributed to the discontinuation of the recharge injection operations and some disruption of collection and injection operations over 2004 and 2005 by tailings area reclamation activities. Recent water-level elevation changes are more reflective of

seasonal recharge and the piezometric surface appears to be approaching a relatively steady condition with a general gradient from the tailings area to Spring Creek.

3.0 Water-Quality Data

License Condition 47.A requires monitoring of water quality from the POC wells, other selected wells, and from surface water sites for the constituents presented in Table 1. There was insufficient water in well RPI-20A in July 2006 to collect a sample.

Figure 3 presents the November 2006 chloride concentrations for the Surficial aquifer and in Spring Creek at the surface water sampling sites. The chloride concentration is greatest at well P-6 which is located approximately 700 feet east of the tailings in the southern portion of the monitoring area. With the exception of a moderately elevated chloride concentration at well MC-11 and a minor recent chloride concentration increase at POC wells NP01 and RPI-19B, chloride concentration at the other monitoring wells and in the surface water samples is not significantly elevated over natural levels. Figure 4 presents the plots of chloride concentration versus time for wells MC-14, RPI-14, NP01, RPI-19B, and RPI-20A. As indicated in Table 2, chloride concentration at well P-6 increased dramatically through early 2006, but has been generally steady through late 2006. Chloride concentration at POC wells NP01 and RPI-19B increased in late 2006, but is still well below ACL site standards. Chloride concentration at other wells is relatively steady. Figure 5 presents the plots of chloride concentration at surface water sampling locations SW-1A, SC-2 and POE-DS. The chloride concentration for the September 2006 sample at POE-DS appears to be somewhat anomalous.

Figure 6 presents the November 2006 Ra226 + Ra228 activities for the Surficial aquifer and in Spring Creek at the surface water sampling sites. There is a very modestly higher Ra226 + Ra228 activity in wells MC-11 and P-6. Measured radium, thorium, and gross alpha activities are typically more erratic than other constituents, and therefore iso-concentration contours are less reliable indicators of the extent of seepage impacts. Figure 7 presents the plots of Ra226 + Ra228 activity versus time for wells MC-14, RPI-14, NP01, RPI-19B, and RPI-20A. The greater variability of measured activity for Ra226 + Ra228 is reflected in the plots. Figure 8 presents the plots of Ra226 + Ra228 activities at surface water sampling locations SW-1A, SC-2 and POE-DS.

Figure 9 presents the November 2006 selenium concentrations for the Surficial aquifer and in Spring Creek at the surface water sampling sites. Selenium concentration is modestly greater than general background at wells MC-7, P-6, RPI-16A, and NP01. In general, the selenium concentration is more indicative of natural variability and selenium concentration in recharge injection water than a discernable level of seepage impacts. Figure 10 presents the plots of selenium concentration versus time for wells MC-14, RPI-14, NP01, RPI-19B, and RPI-20A. Figure 11 presents the plots of selenium concentration at surface water sampling locations SW-1A, SC-2 and POE-DS.

Figure 12 presents the November 2006 sulfate concentrations for the Surficial aquifer and in Spring Creek at the surface water sampling sites. Recent sulfate concentration at well RPI-20A appears to be slightly elevated but has been gradually declining since late 2005. Concentrations of other constituents in samples from well RPI-20A are relatively stable and within the range of typical background or restored aquifer values. Figure 13 presents the sulfate concentrations in selected wells and illustrates relatively stable recent concentrations. All sulfate concentrations at the monitoring wells and surface water sampling locations are well below the site standards at the POC wells.

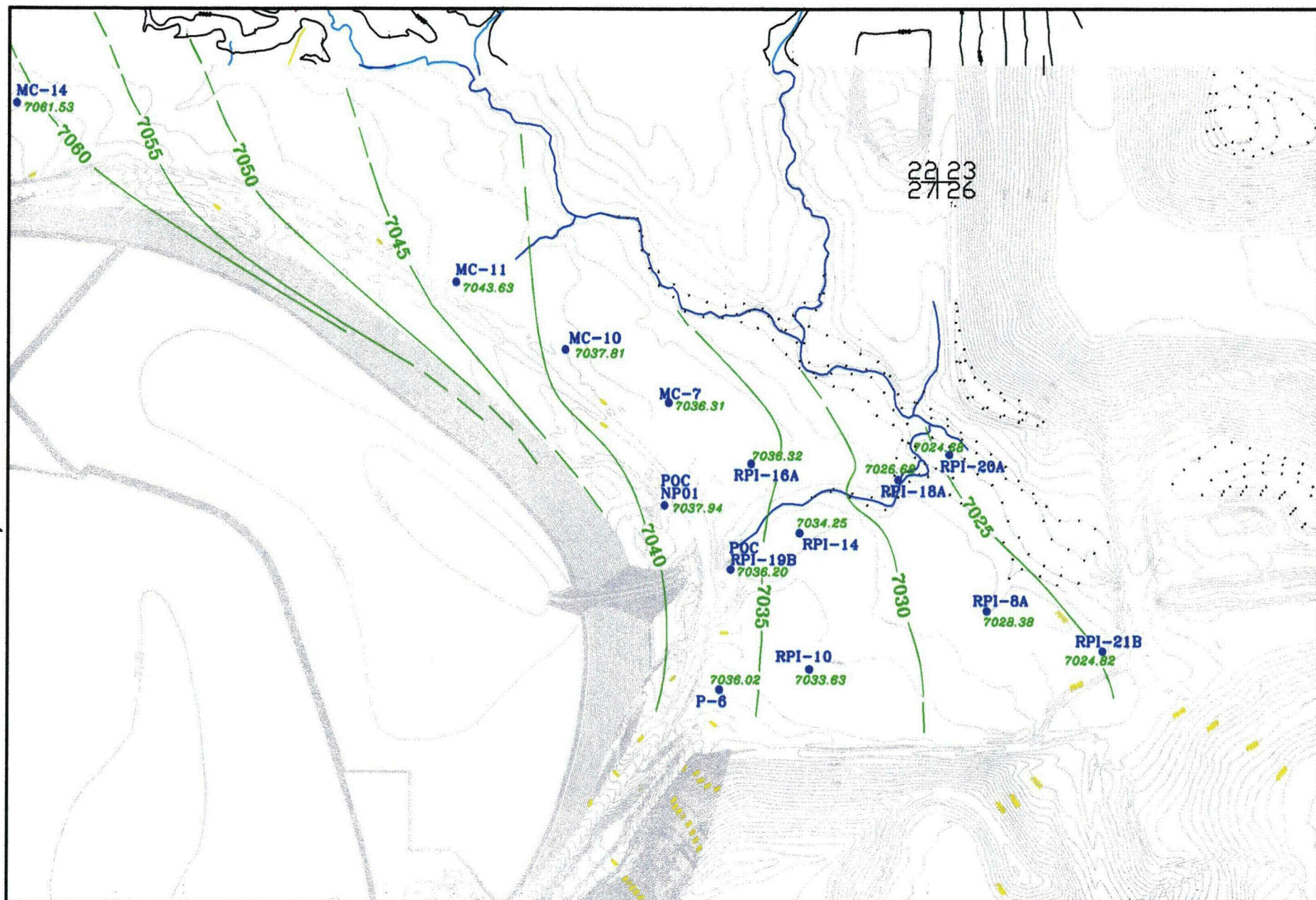
Figure 14 presents the plots of sulfate concentration at surface water sampling locations SW-1A, SC-2 and POE-DS.

Figure 15 presents the November 2006 thorium-230 activities for the Surficial aquifer and in Spring Creek at the surface water sampling sites. All November 2006 thorium-230 activities in ground-water samples and surface-water samples are below the detection level of 0.2 pCi/l. Figure 16 presents the plots of thorium-230 activity versus time for wells MC-14, RPI-14, NP01, RPI-19B, and RPI-20A. Figure 17 presents the plots of thorium-230 activity at surface water sampling locations SW-1A, SC-2 and POE-DS. The sample record for upgradient site SW-1A illustrates the variability of thorium-230 activity with occasional spikes interspersed in the typical below detection limit sample activity.

Figure 18 presents the November 2006 TDS concentrations for the Surficial aquifer and in Spring Creek at the surface water sampling sites. TDS concentration at well RPI-20A reflects the unusually large sulfate concentration in this well in late 2005 with a gradual decline in both TDS and sulfate concentrations in 2006. Like sulfate concentration, recent TDS concentrations have been relatively stable as shown in Figure 19. All TDS concentrations at the monitoring wells and surface water sampling locations are well below the site standards at the POC wells. Figure 20 presents the plots of TDS concentration at surface water sampling locations SW-1A, SC-2 and POE-DS.

Figure 21 presents the November 2006 uranium concentrations for the Surficial aquifer and in Spring Creek at the surface water sampling sites. Uranium concentration increased dramatically at well P-6 through mid 2006, but late 2006 uranium concentrations appear to have stabilized at levels slightly greater than those in mid 2006. Uranium concentration increased modestly at well NP01 but was relatively stable at other locations. All uranium concentrations at the monitoring wells and surface water sampling locations are well below the site standards at the POC wells. Figure 23 presents the plots of uranium concentration at surface water sampling locations SW-1A, SC-2 and POE-DS.

Figure 24 presents concentrations of major constituents and uranium for well P-6. As described in a letter response by Pathfinder Mines Corporation dated November 14, 2006, the changes in water quality in well P-6 are reflective of the ongoing seepage from the tailings and the expected impacts on the area where the Corrective Action Program (CAP) had previously served to contain seepage and restore the Surficial aquifer quality. The modeling included in the ACL application indicates that the continuing seepage from the tailings at a diminishing rate will result in measurable seepage impacts that progress in an easterly direction from the tailings. The expected changes in water quality for wells east of the tailings include a fairly rapid increase in constituent concentrations after the CAP was discontinued, followed by a gradual decline in concentrations as the seepage rate from the tailings diminishes. This typical anticipated response is exhibited in Figure E.3-1 of the ACL Application, with the caveat that there is a four year difference between the modeled end of the CAP and the actual termination of the CAP. The response will also be lagged and attenuated with increasing distance from the tailings. Because well P-6 was operated as a collection well in the CAP and the seepage-impacted ground water extended to the well at the time the CAP was terminated, the increase in concentrations occurred shortly after collection and associated fresh water injection was discontinued in 2005. The constituent concentrations presented in Figure 24 show a fairly rapid reversion to levels that were present prior to significant additions to the CAP in 1995 and 1996.



LEGEND:

7036.5 ● MONITORING WELL WATER-LEVEL ELEVATION (FT-MSL)
 — WATER-LEVEL ELEVATION CONTOURS

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FIGURE 1: LOCATIONS OF
 MONITORING WELLS AND PIEZOMETRIC
 CONTOURS FOR LATE 2006.

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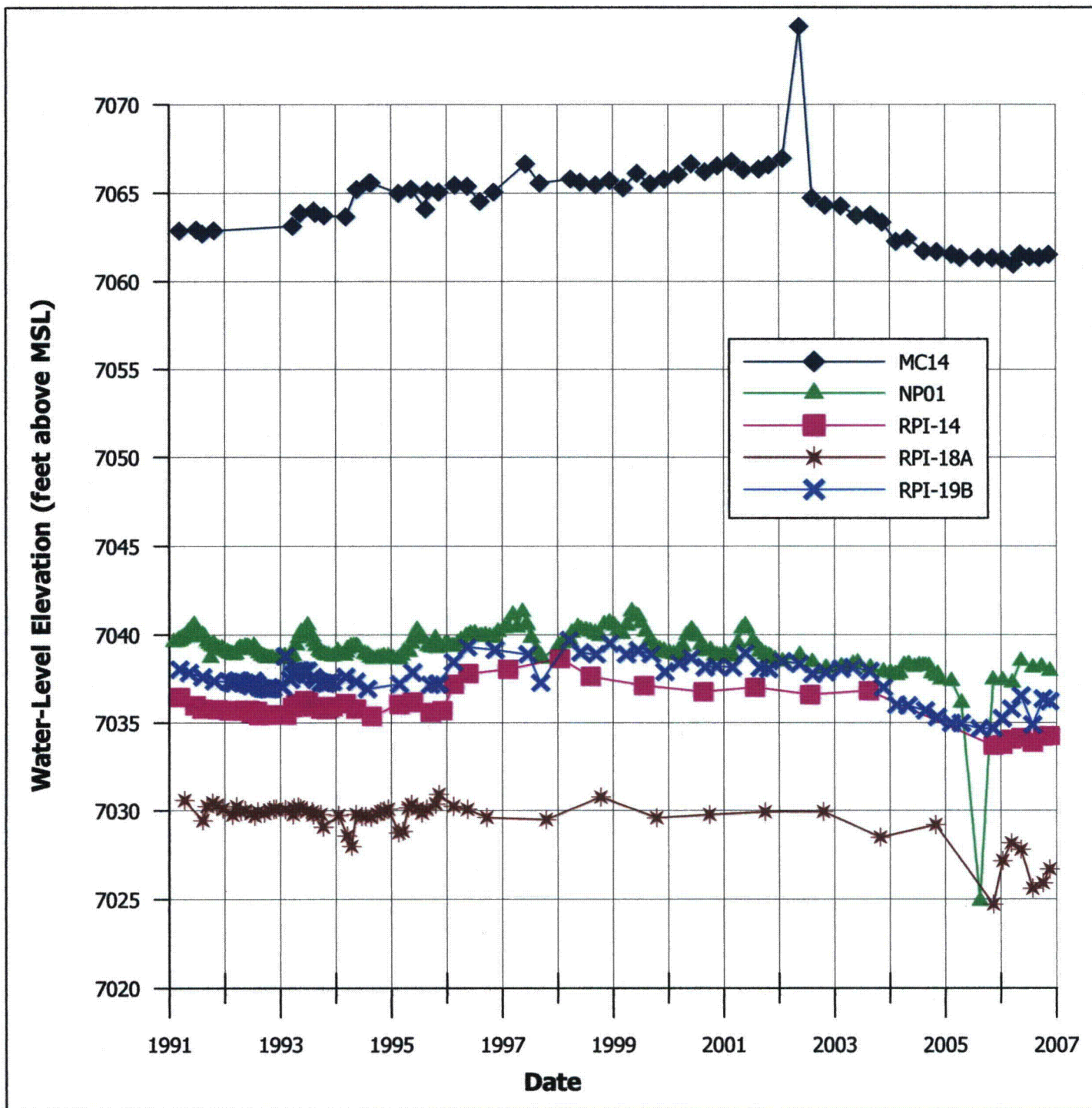
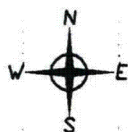
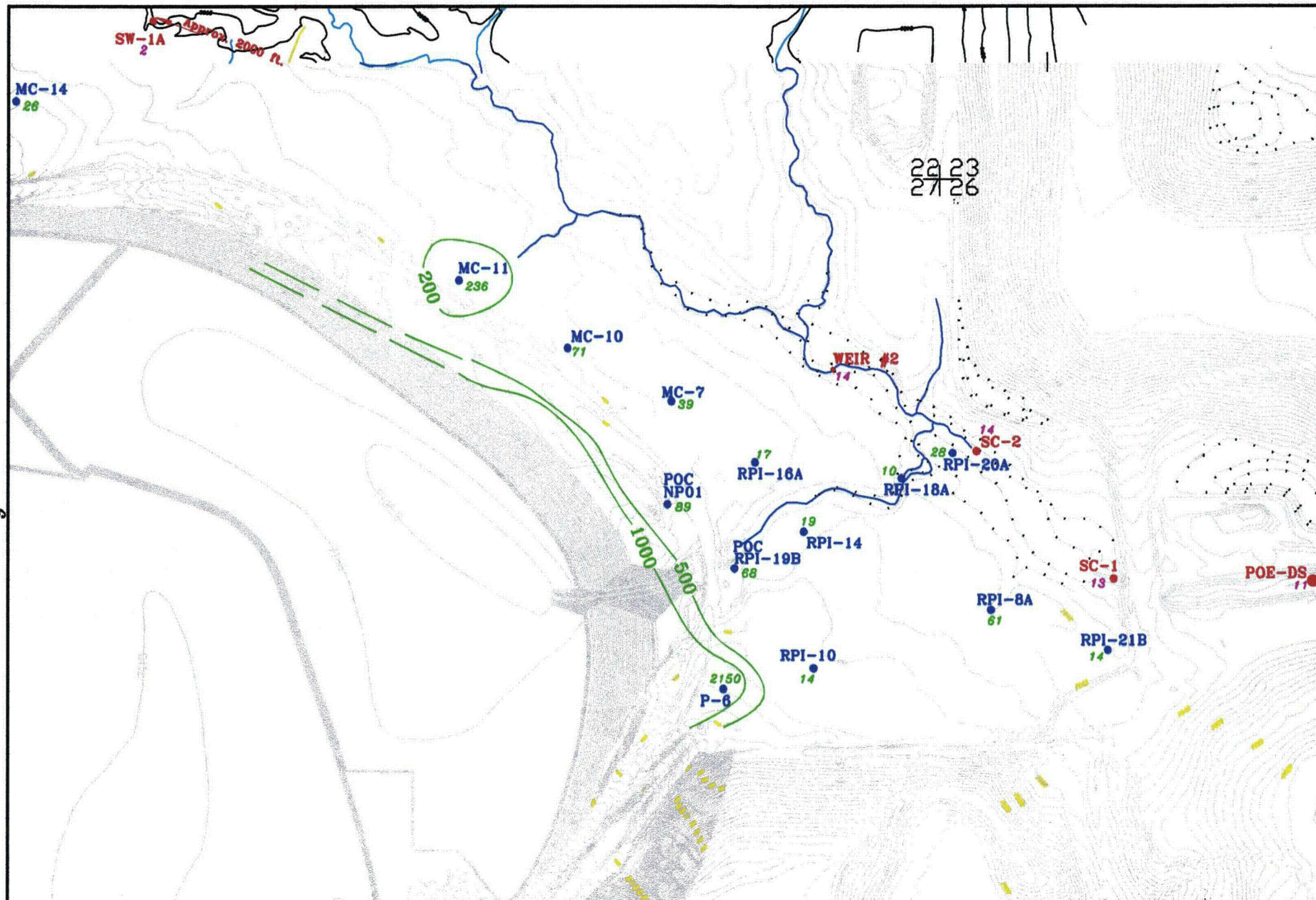


Figure 2. Water-Level Elevation Versus Time For Wells MC-14, RPI-14, NP01, RPI-19B, and RPI-18A



LEGEND:

- MONITORING WELL CHLORIDE CONCENTRATION (mg/l)
- CHLORIDE ISO-CONCENTRATION CONTOURS
- SURFACE WATER CHLORIDE CONCENTRATION (mg/l)

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FIGURE 3. 2006 CHLORIDE CONCENTRATIONS IN SURFICIAL AQUIFER MONITORING WELLS.

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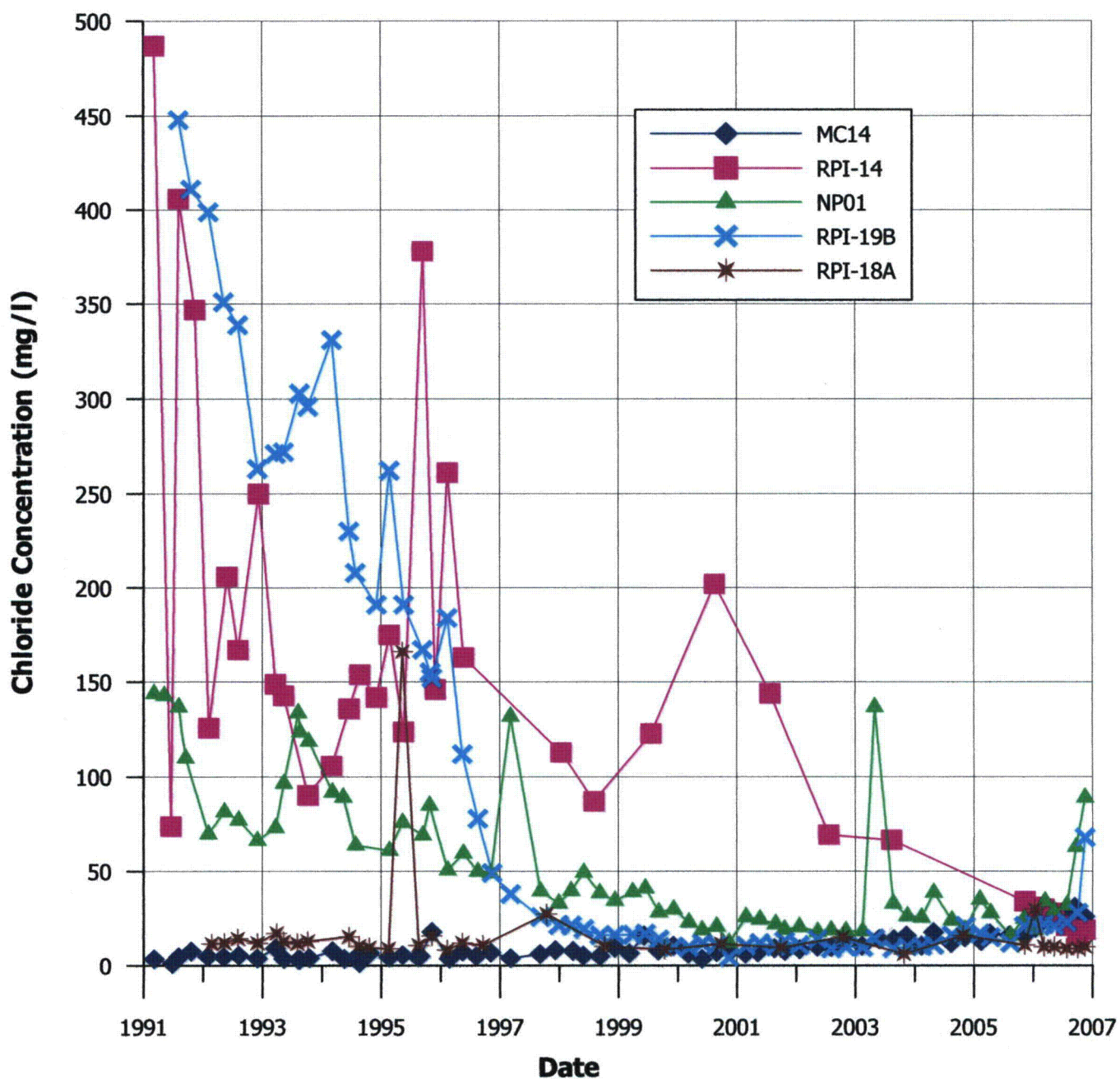


Figure 4. Chloride Concentration Versus Time For Wells MC-14, RPI-14, NP01, RPI-19B, and RPI-18A

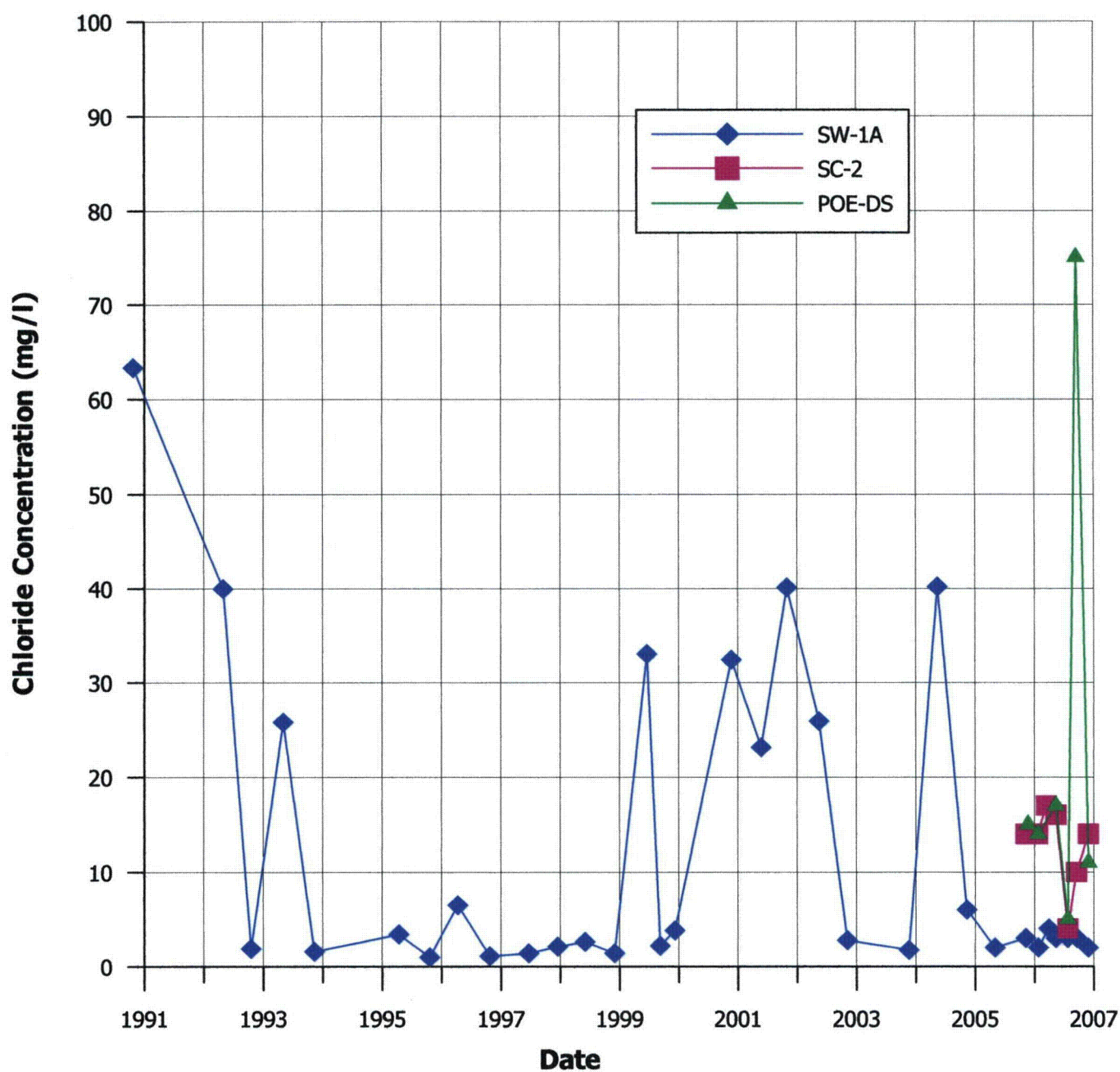
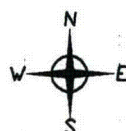
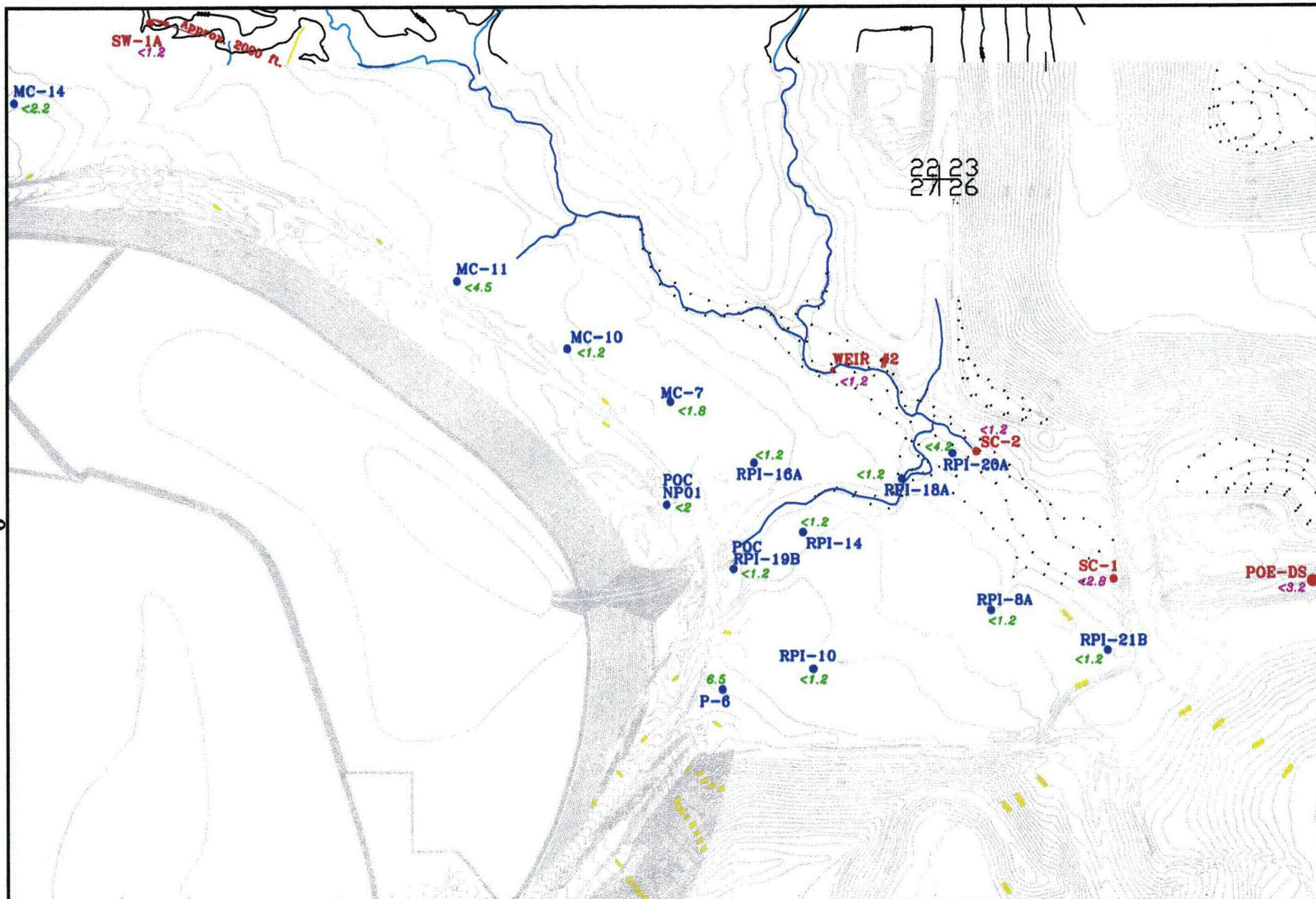


Figure 5. Chloride Concentration Versus Time For Surface Water Sample Locations SW-1A, SC-2, and POE-DS



LEGEND:

- <2.2 MONITORING WELL Ra226+Ra228 ACTIVITY (pCi/l)
- Ra226+Ra228 ISO-ACTIVITY CONTOURS
- <1.2 SURFACE WATER Ra226+Ra228 ACTIVITY (pCi/l)

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FIGURE 6. 2006 Ra226+Ra228
ACTIVITY IN SURFICIAL
AQUIFER MONITORING WELLS.

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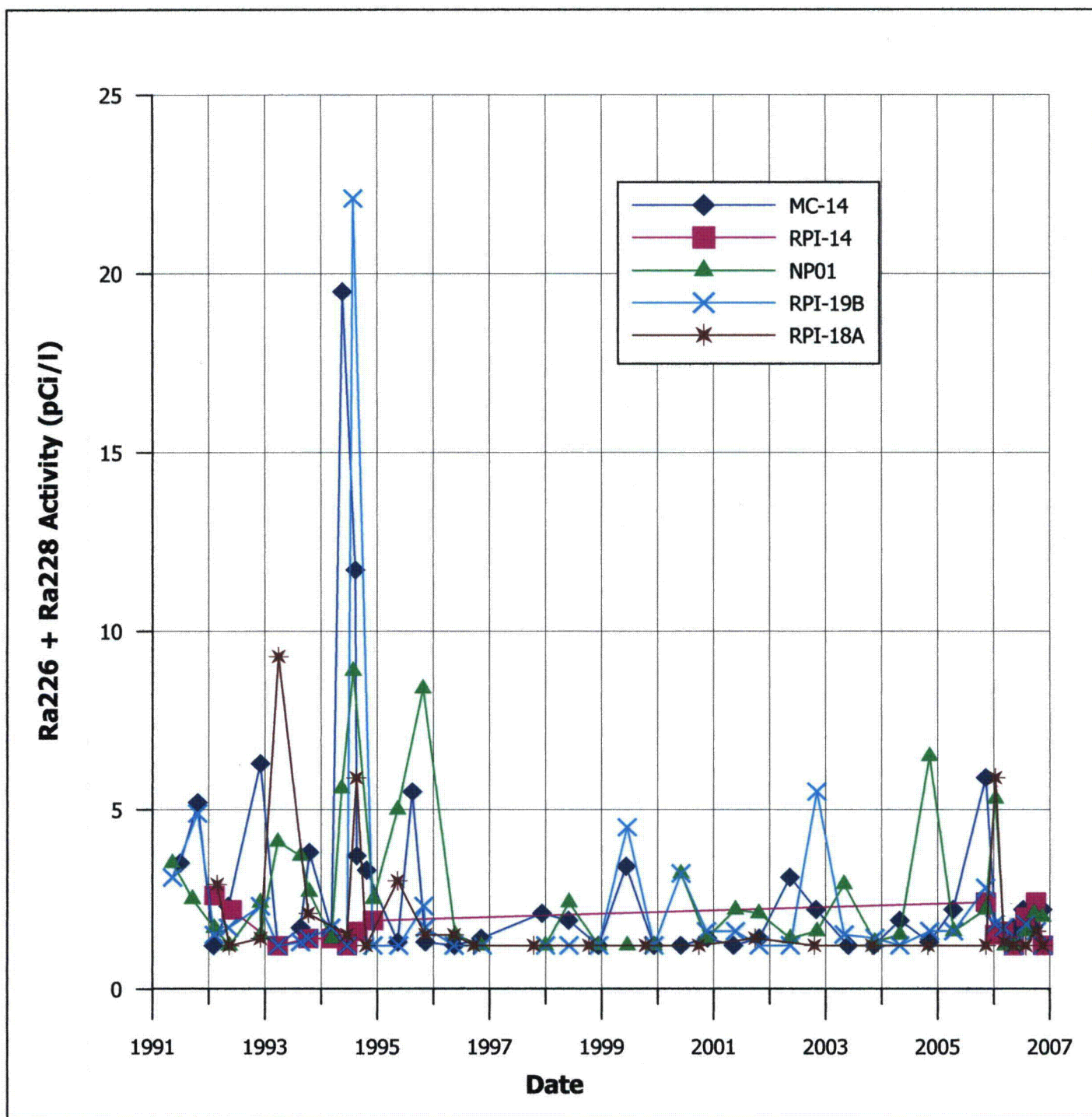


Figure 7. Ra226 + Ra228 Activity Versus Time For Wells MC-14, RPI-14, NP01, RPI-19B and RPI-18A

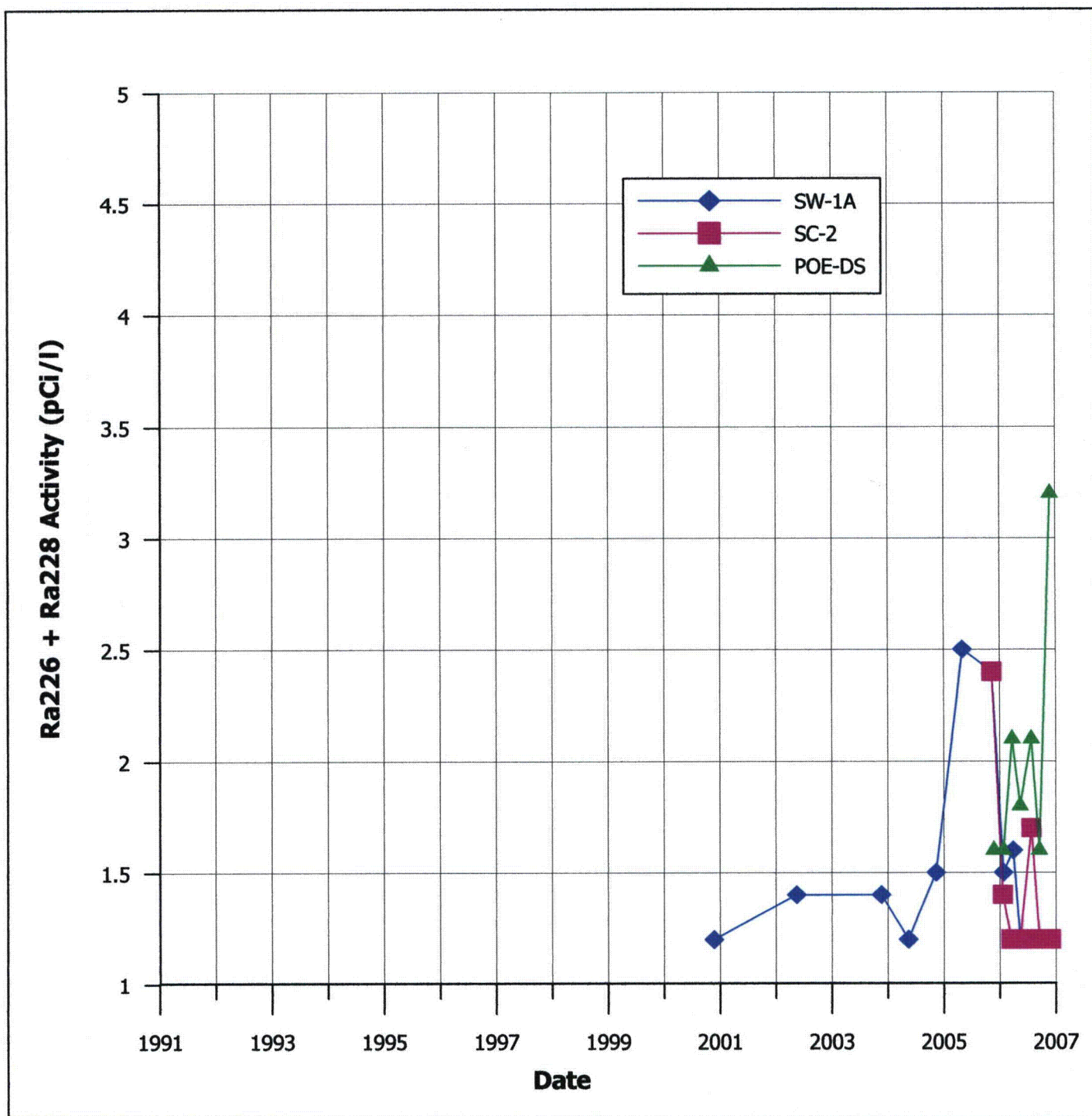
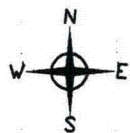
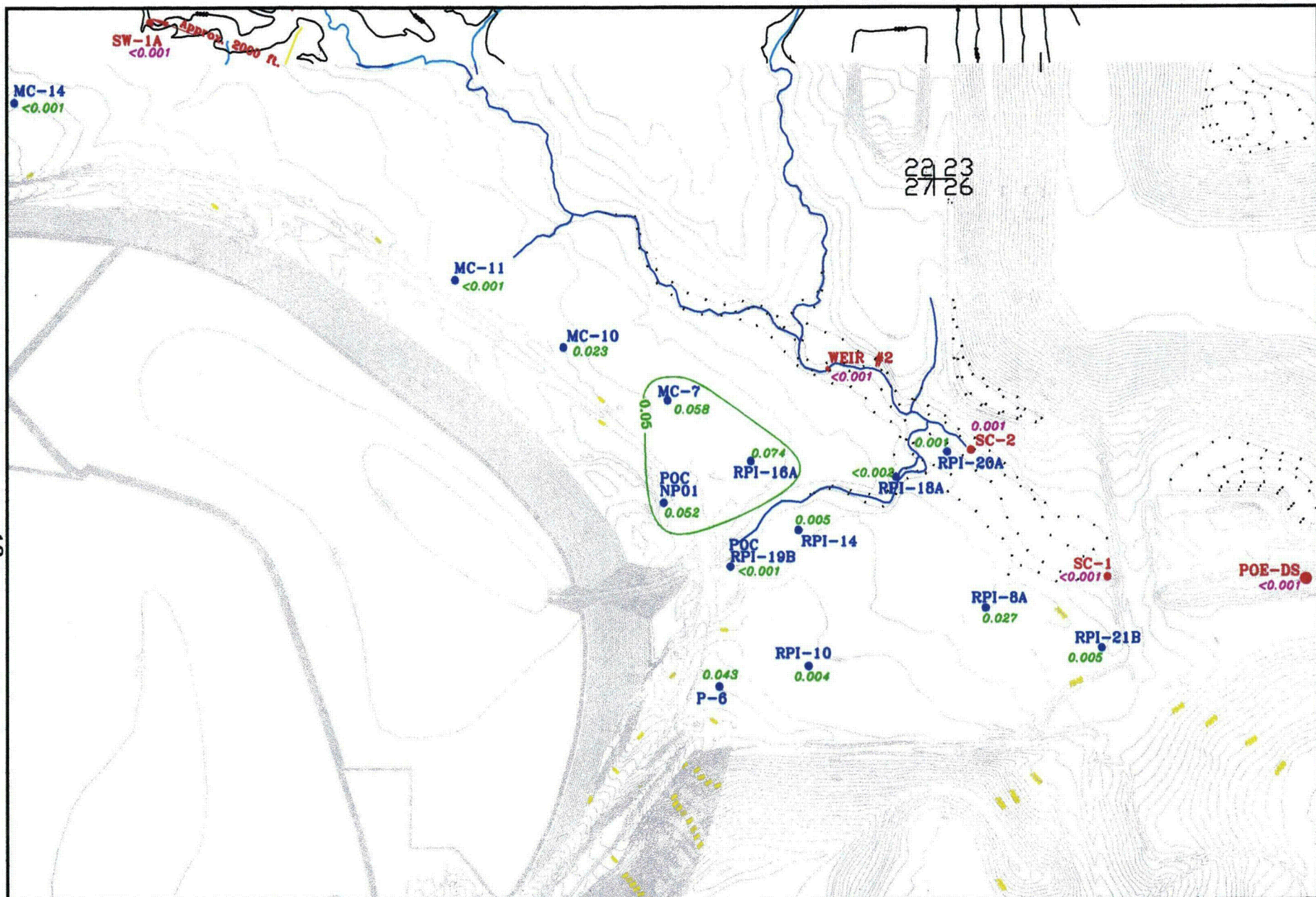


Figure 8. Ra226 + Ra228 Activity Versus Time For Surface Water Sample Locations SW-1A, SC-2 and POE-DS



LEGEND:

- <0.001 MONITORING WELL SELENIUM CONCENTRATION (mg/l)
- 0.05 SELENIUM ISO-CONCENTRATION CONTOURS
- <0.001 SURFACE WATER SELENIUM CONCENTRATION (mg/l)

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TEAM R28W

FIGURE 9. 2006 SELENIUM
CONCENTRATIONS IN SURFICIAL
AQUIFER MONITORING WELLS.DRAWN BY: TGM DATE: 2-2007 Approx. Scale: 1"=700'
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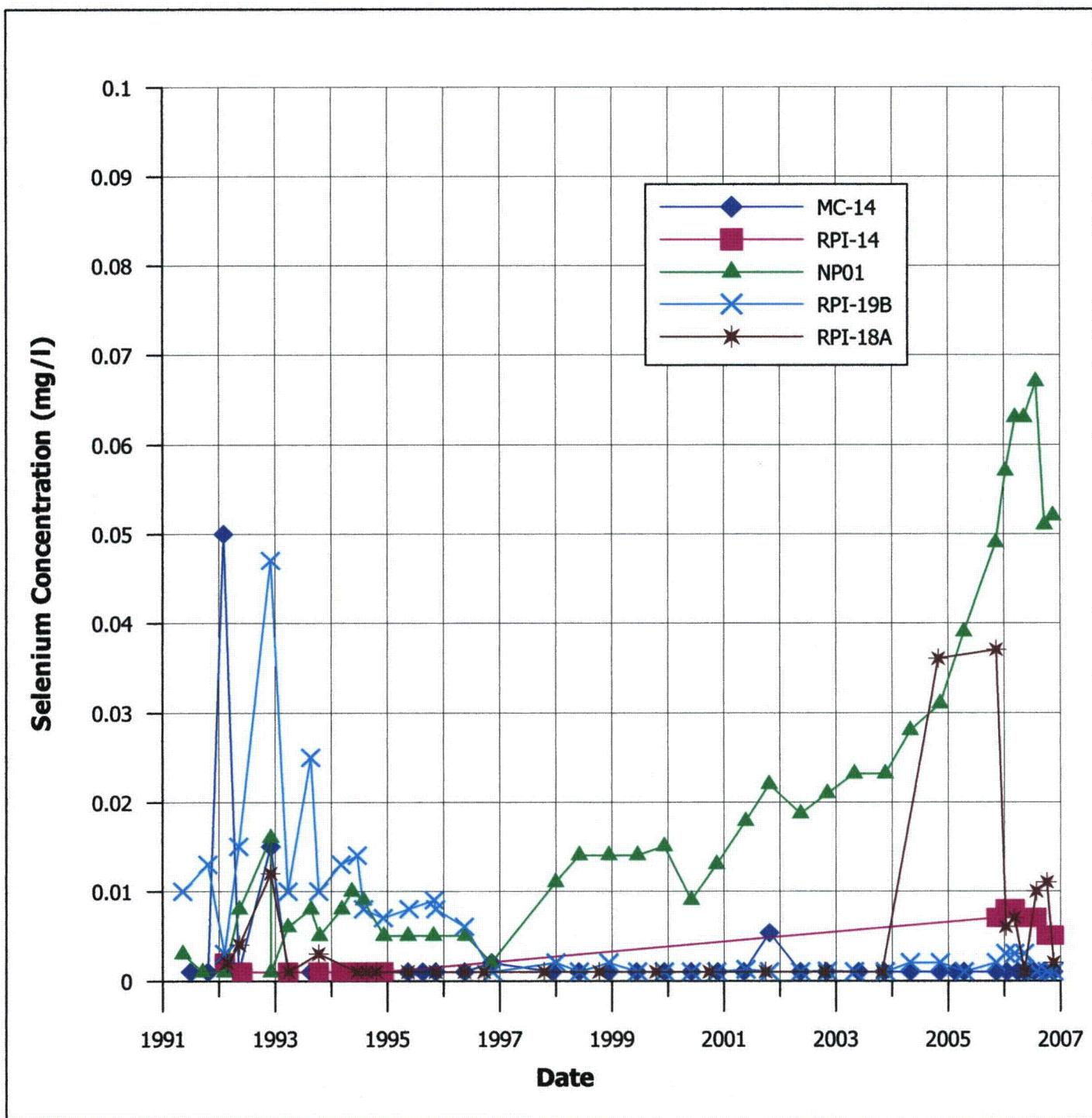


Figure 10. Selenium Concentration Versus Time For Wells MC-14, RPI-14, NP01, RPI-19B, and RPI-18A

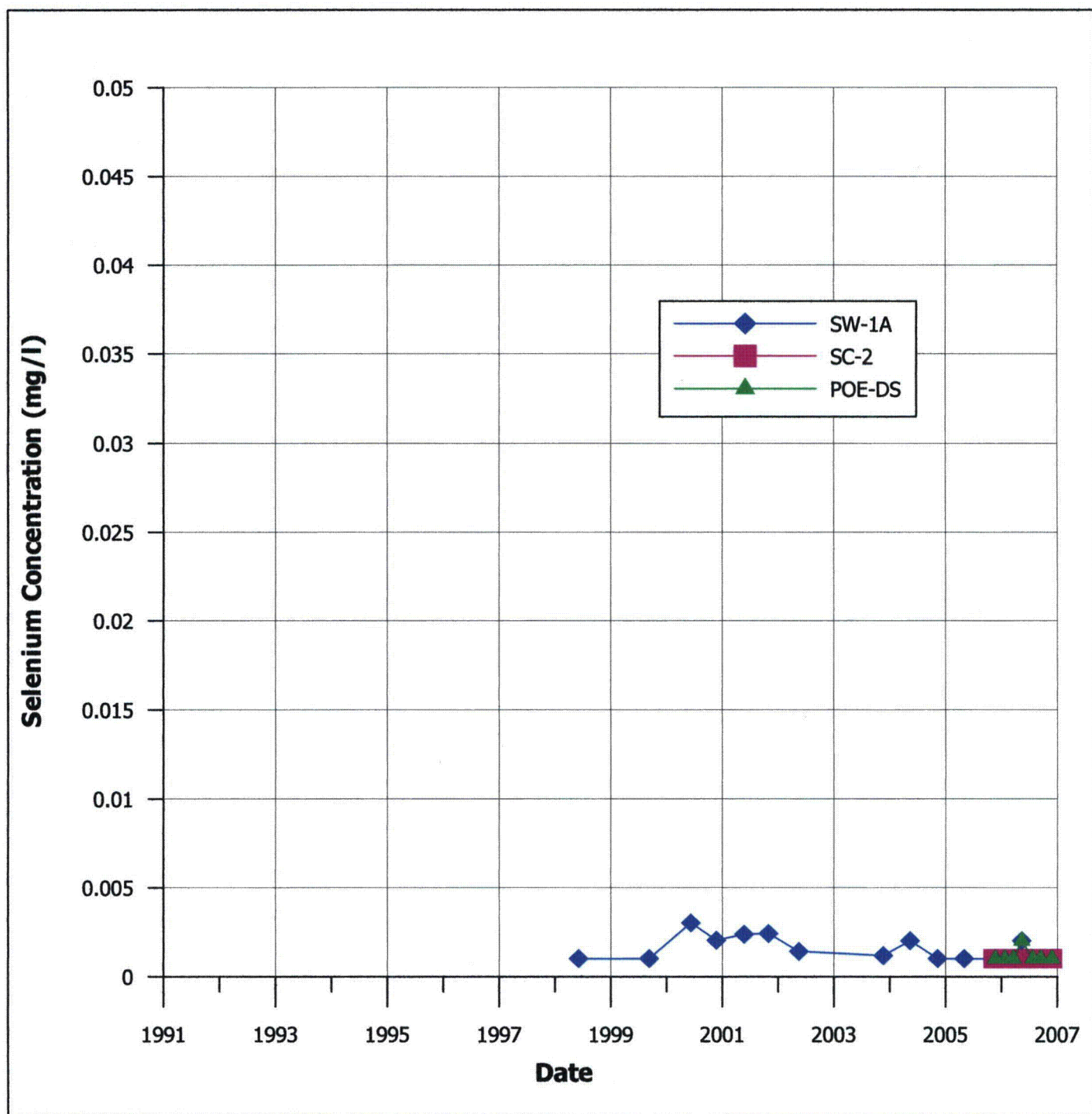
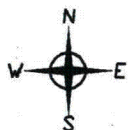
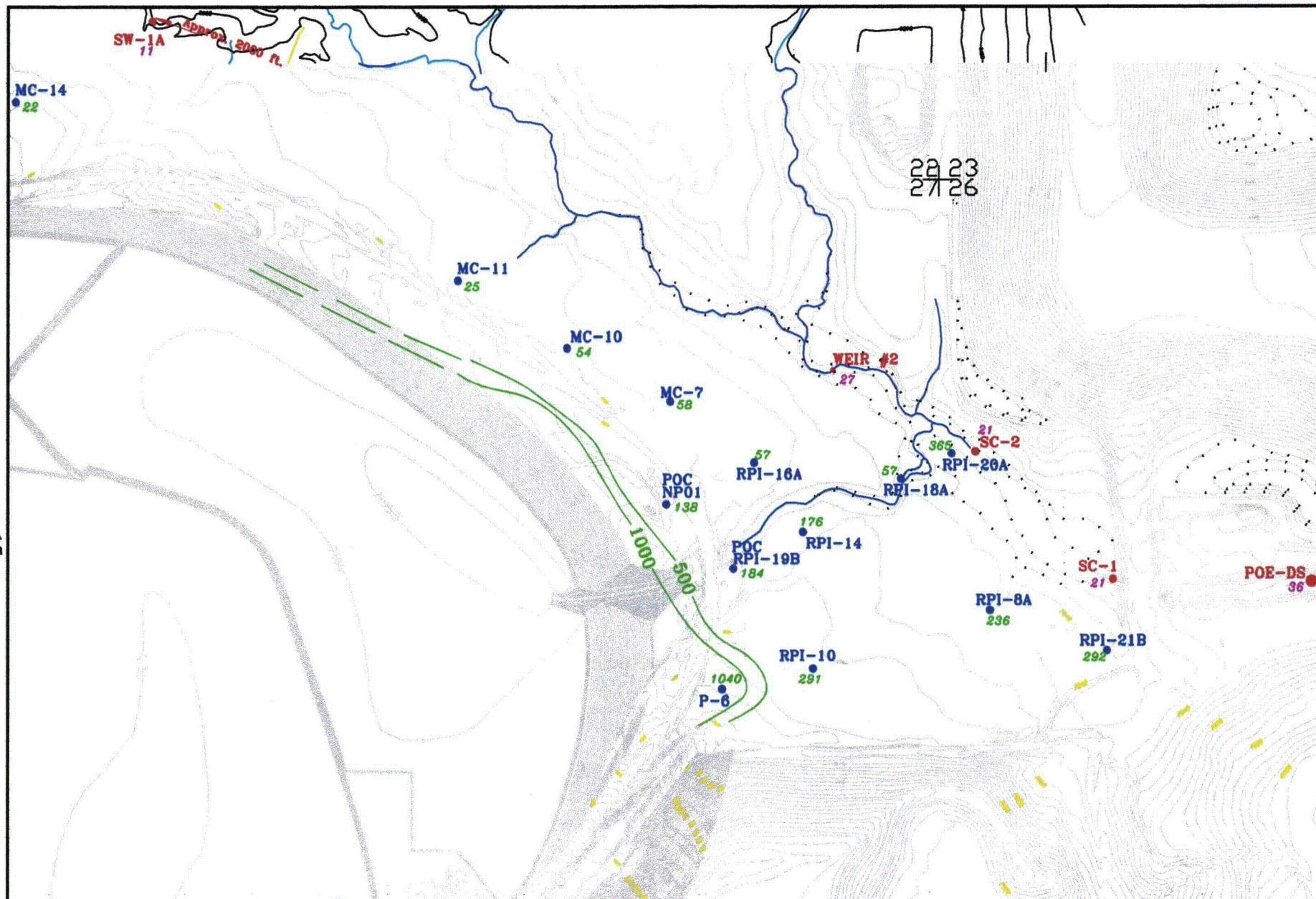


Figure 11. Selenium Concentration Versus Time For Surface Water Sample Locations SW-1A, SC-2, and POE-DS



LEGEND:

- 236 ● MONITORING WELL SULFATE CONCENTRATION (mg/l)
- SULFATE ISO-CONCENTRATION CONTOURS
- 20 ● SURFACE WATER SULFATE CONCENTRATION (mg/l)

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FIGURE 12. 2006 SULFATE
CONCENTRATIONS IN SURFICIAL
AQUIFER MONITORING WELLS.

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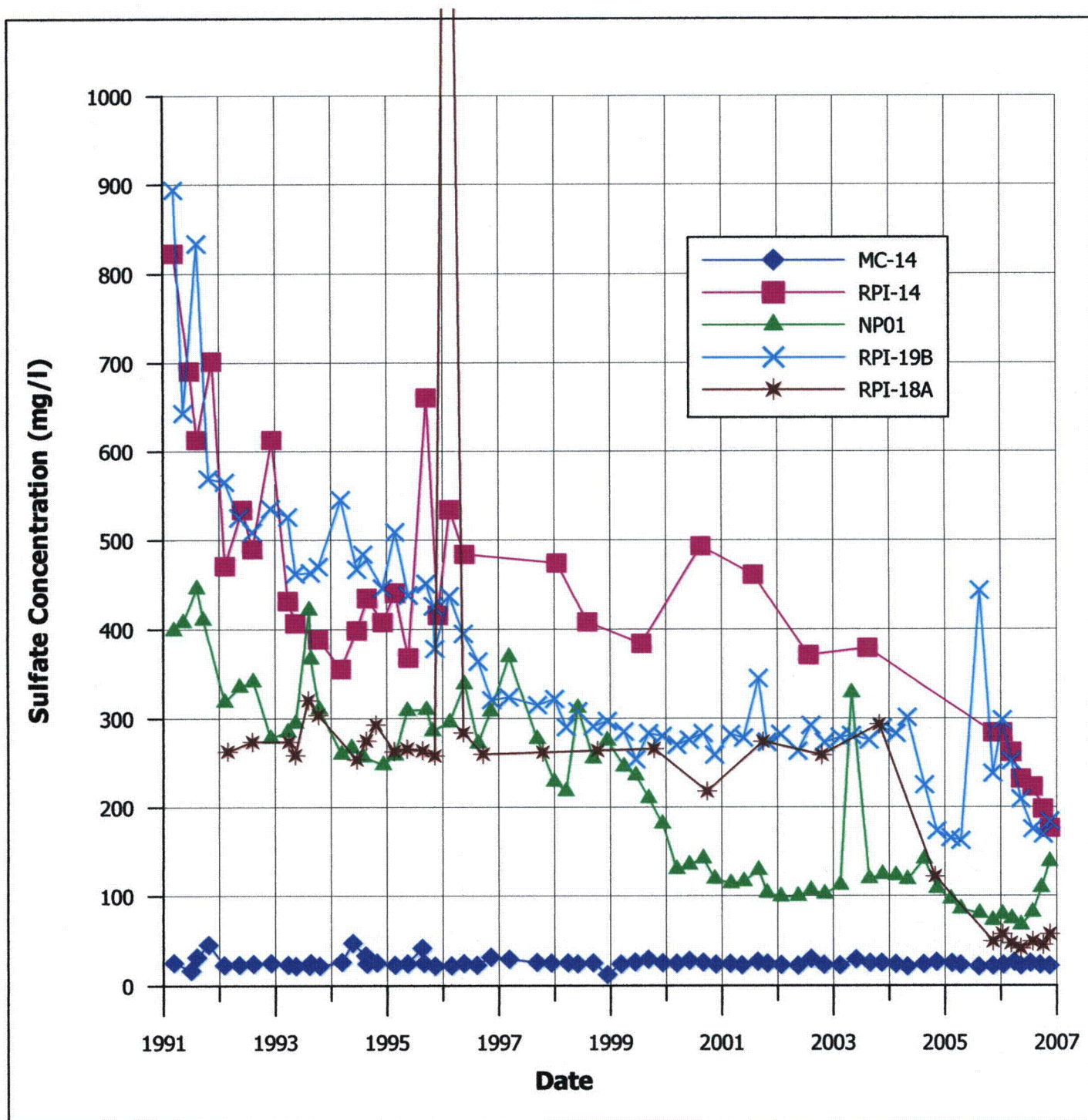


Figure 13. Sulfate Concentration Versus Time For Wells MC-14, RPI-14, NP01, RPI-19B and RPI-18A

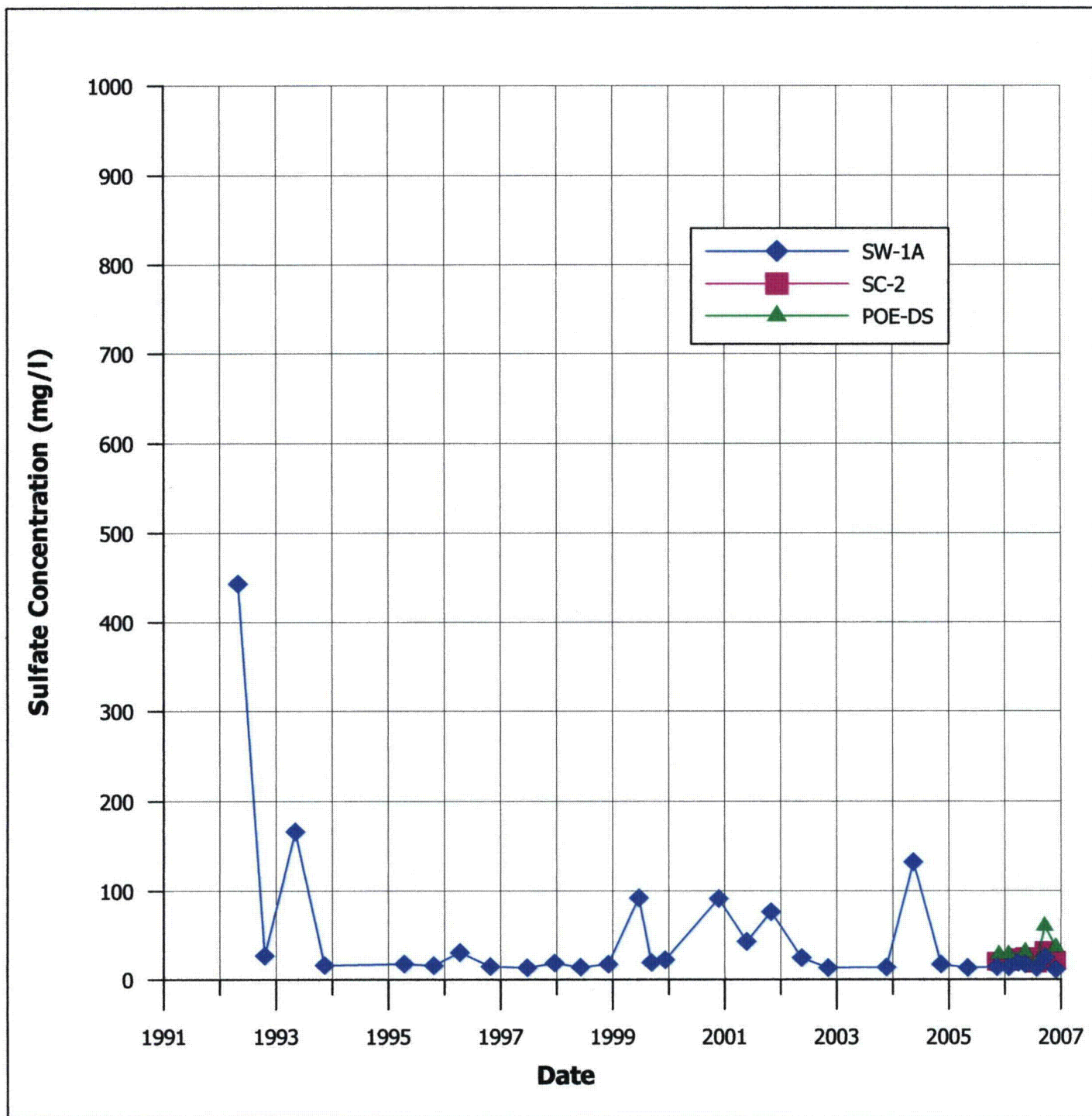
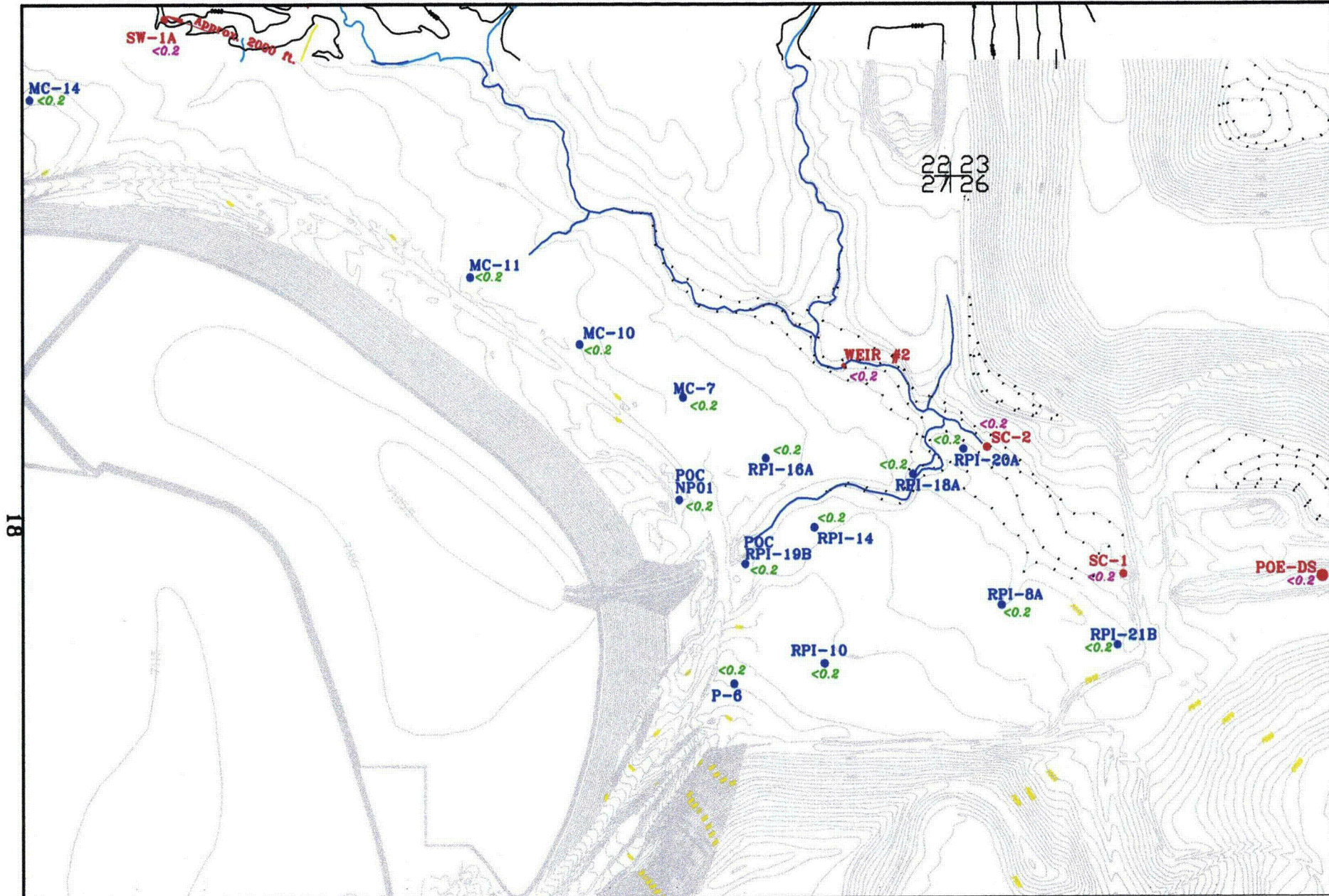
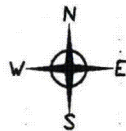


Figure 14. Sulfate Concentration Versus Time For Surface Water Sample Locations SW-1A, SC-2 and POE-DS



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LEGEND:

- <0.2 MONITORING WELL THORIUM-230 ACTIVITY (pCi/l)
- <0.2 SURFACE WATER THORIUM-230 ACTIVITY (pCi/l)

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FIGURE 15. 2006 THORIUM-230
ACTIVITY IN SURFICIAL
AQUIFER MONITORING WELLS.

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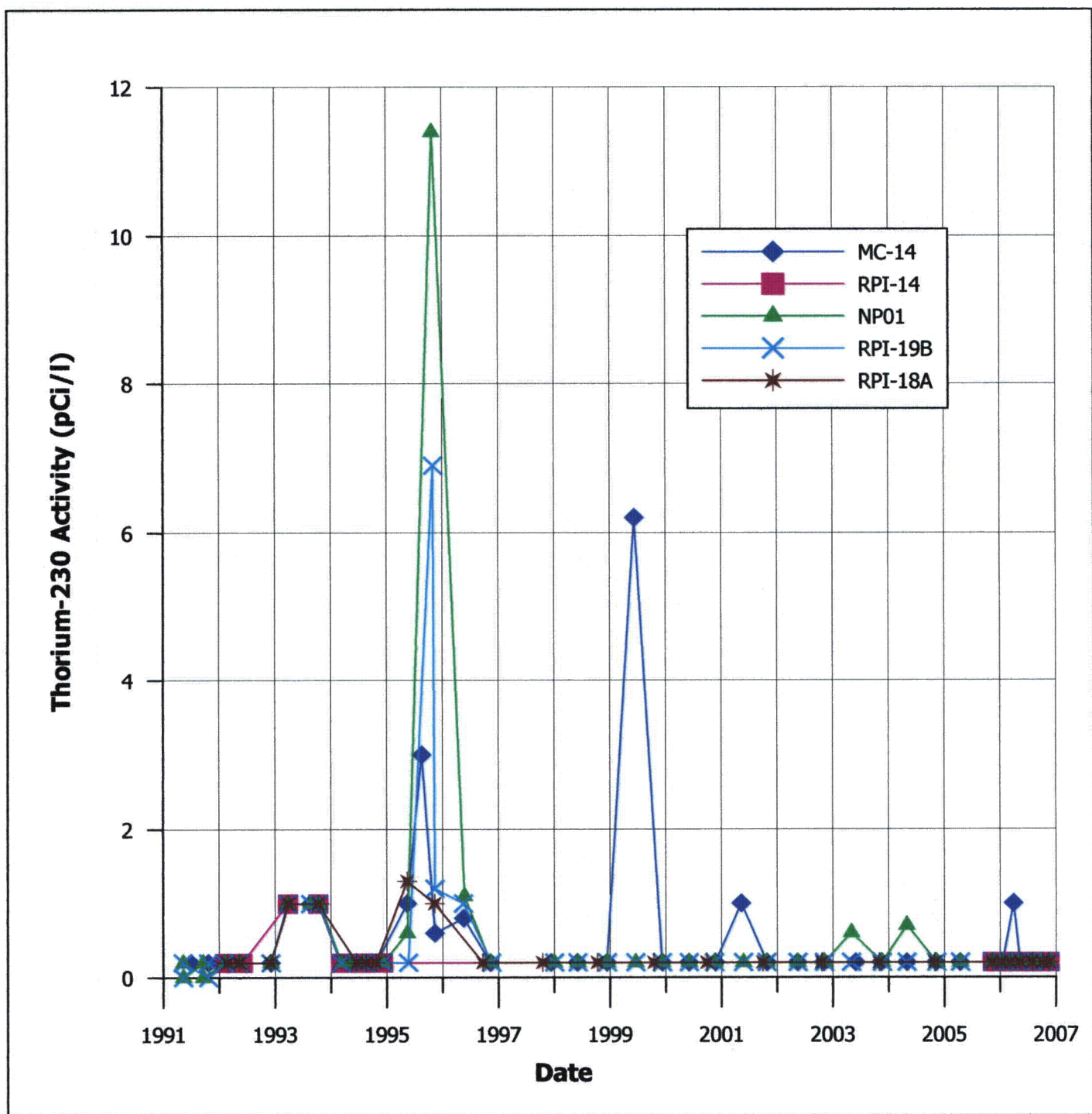


Figure 16. Thorium-230 Activity Versus Time For Wells MC-14, RPI-14, NP01, RPI-19B and RPI-18A

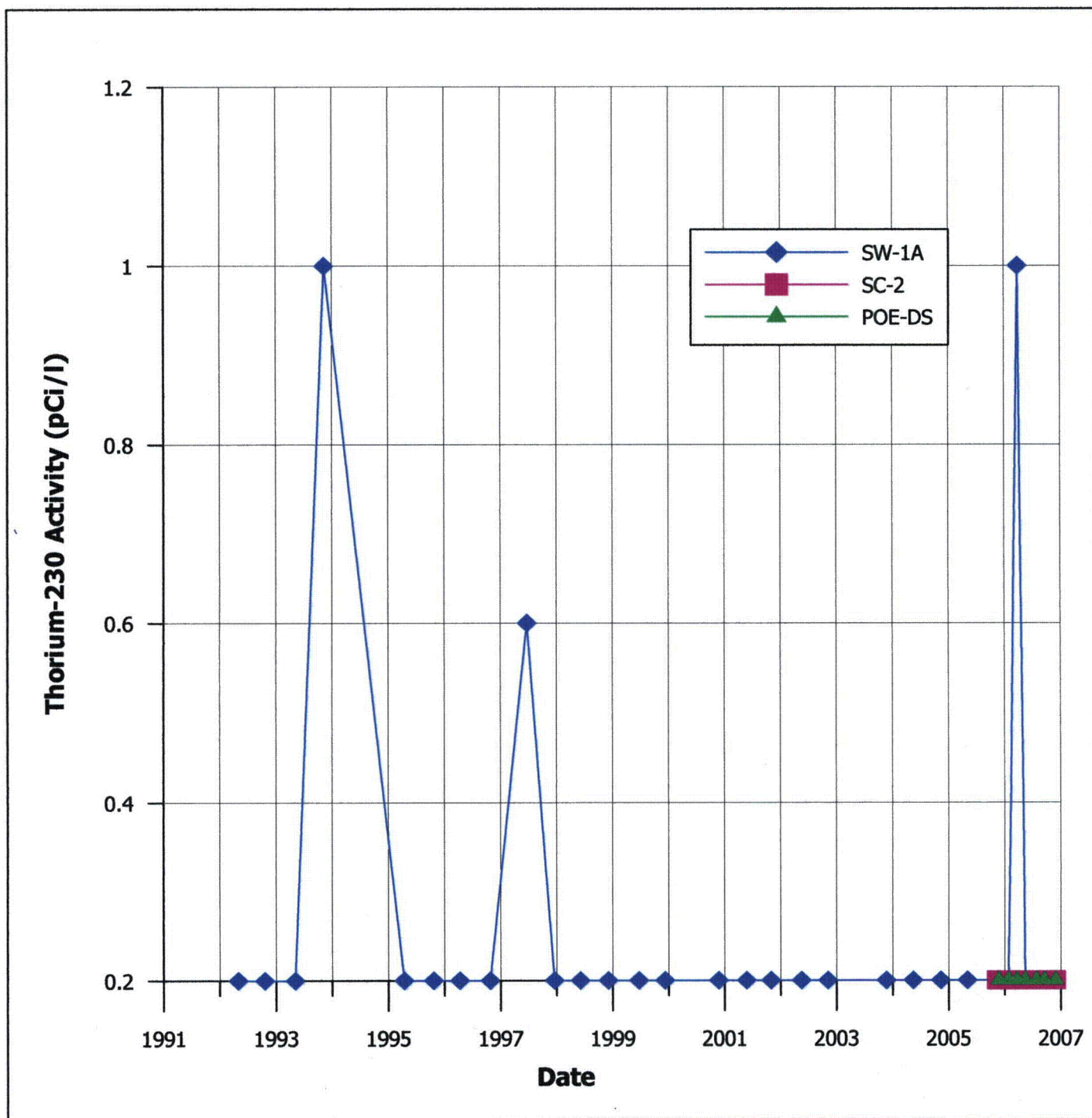
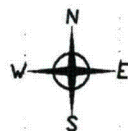
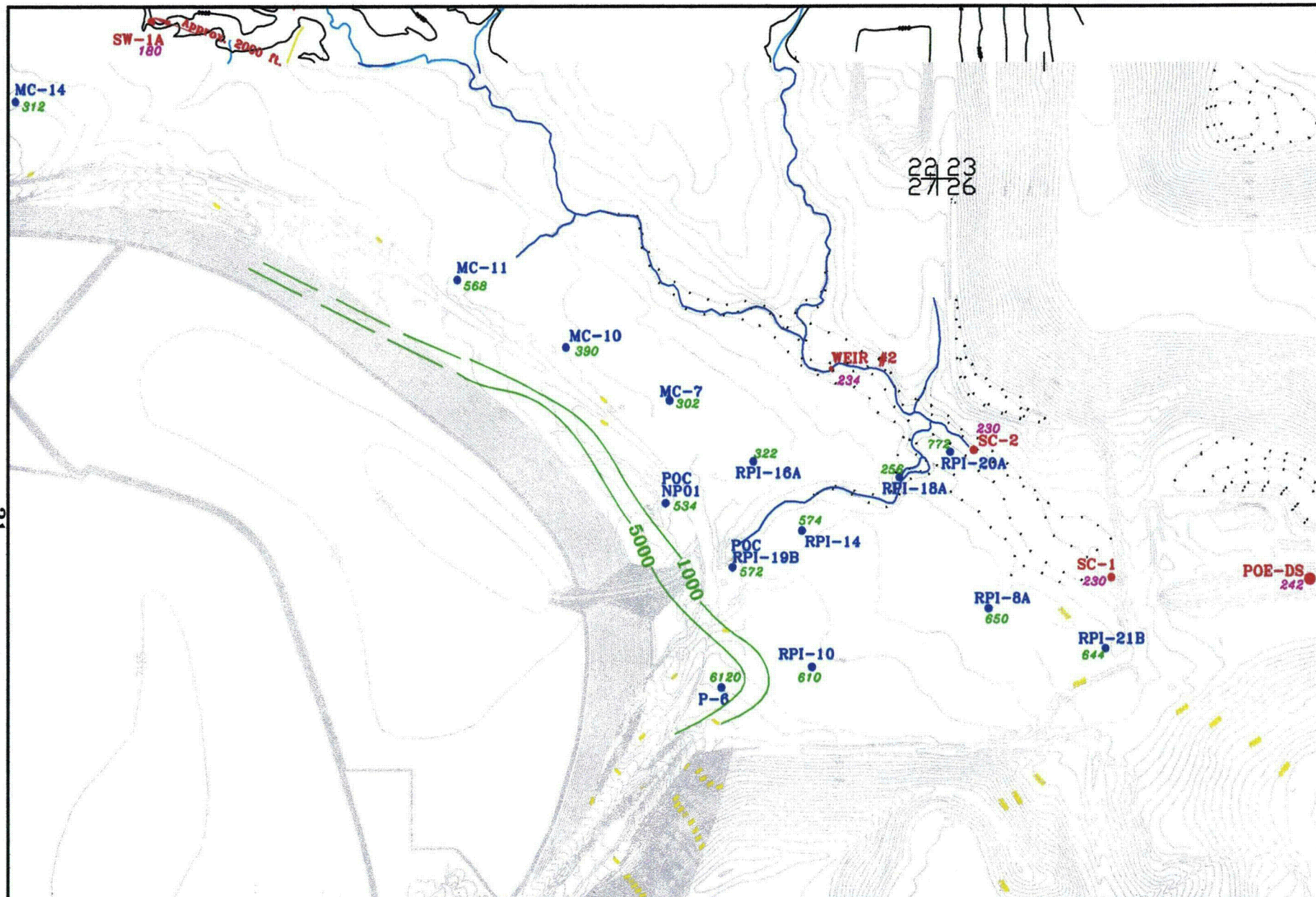


Figure 17. Thorium-230 Activity Versus Time For Surface Water Sample Locations SW-1A, SC-2 and POE-DS



LEGEND:

- MONITORING WELL TDS CONCENTRATION (mg/l)
- TDS ISO-CONCENTRATION CONTOURS
- SURFACE WATER TDS CONCENTRATION (mg/l)

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SHIRLEY BASIN, WYOMING

FIGURE 18. 2006 TDS
CONCENTRATIONS IN SURFICIAL
AQUIFER MONITORING WELLS.

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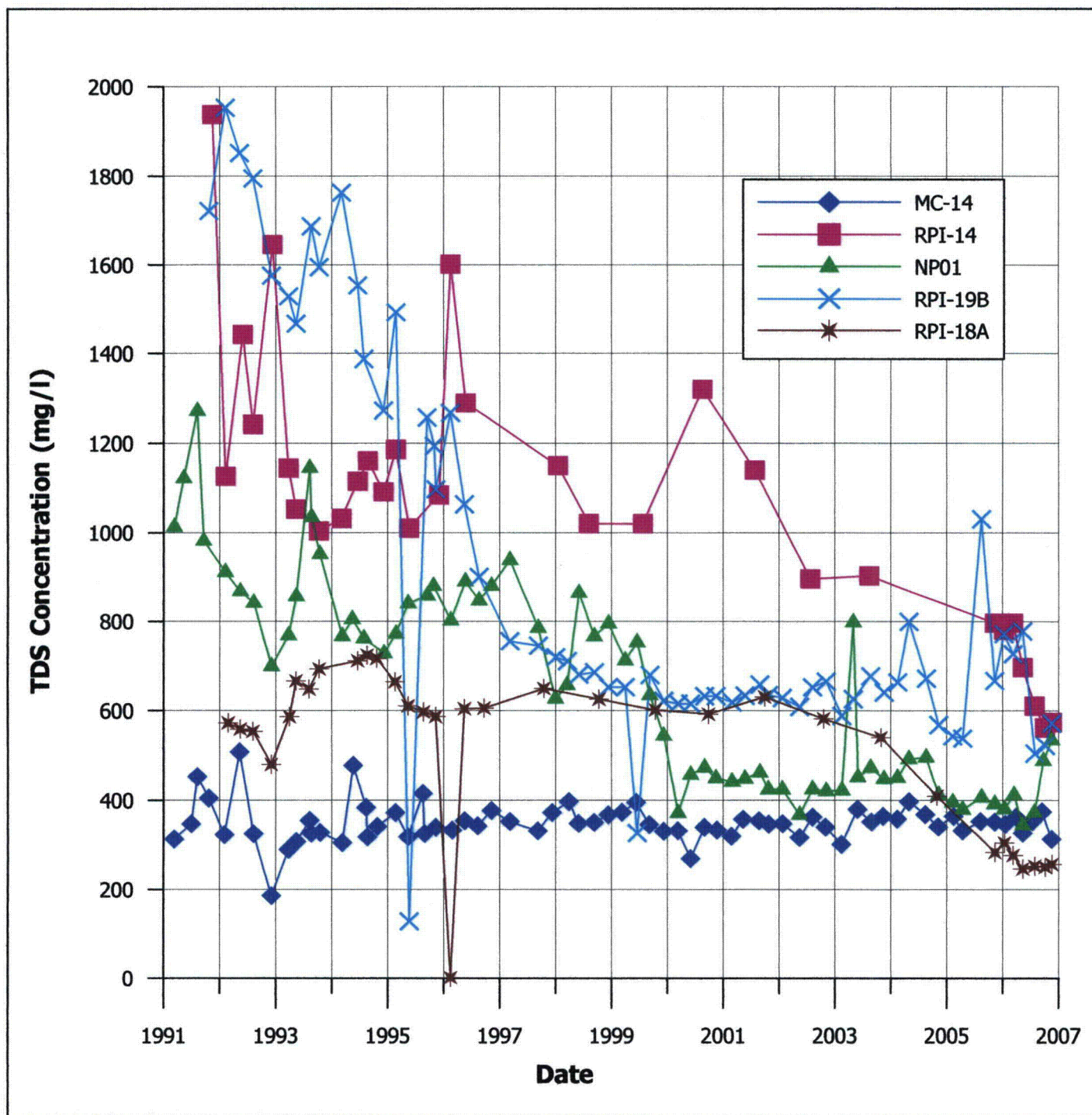


Figure 19. TDS Concentration Versus Time For Wells MC-14, RPI-14, NP01, RPI-19B and RPI-18A

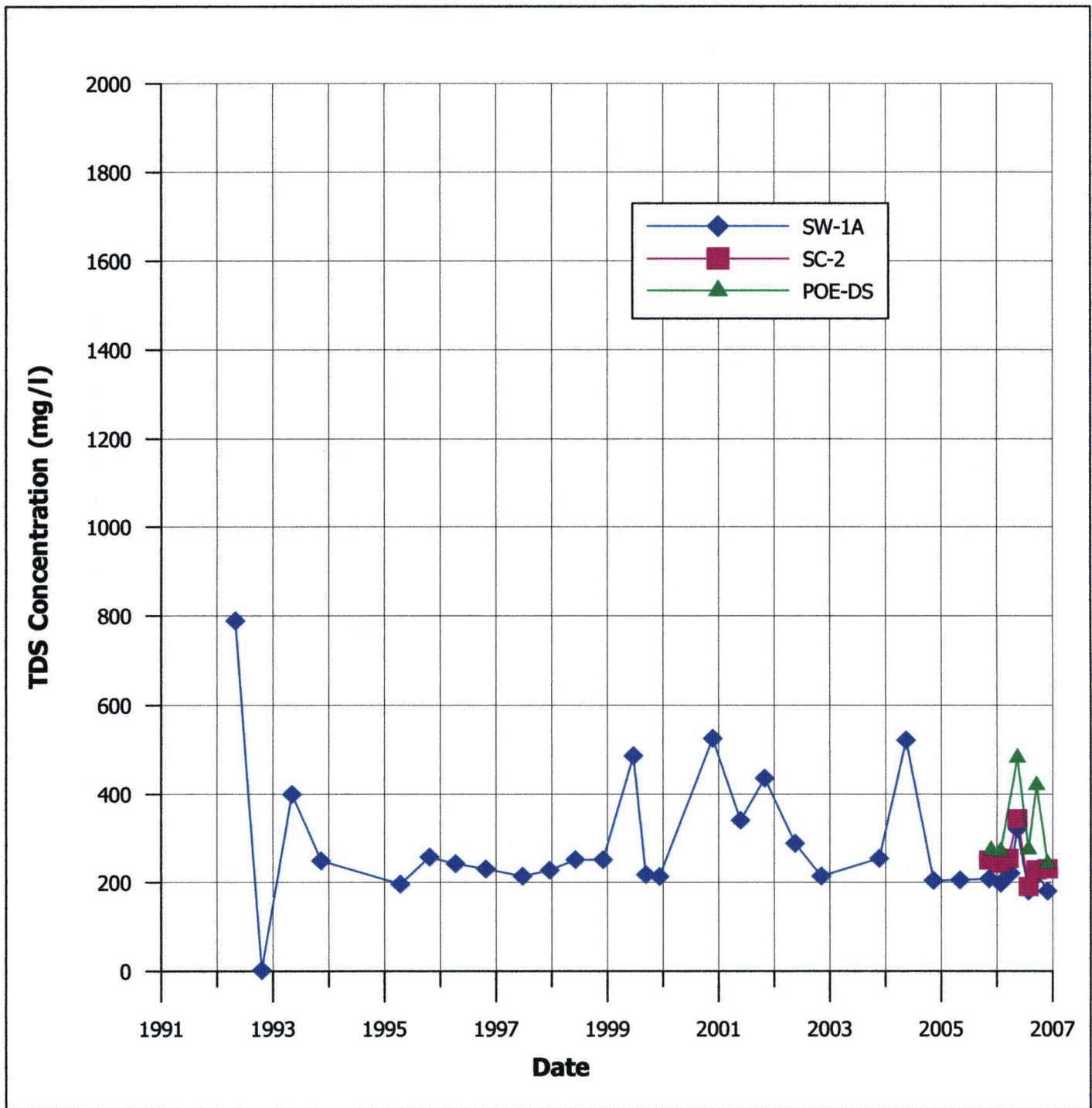
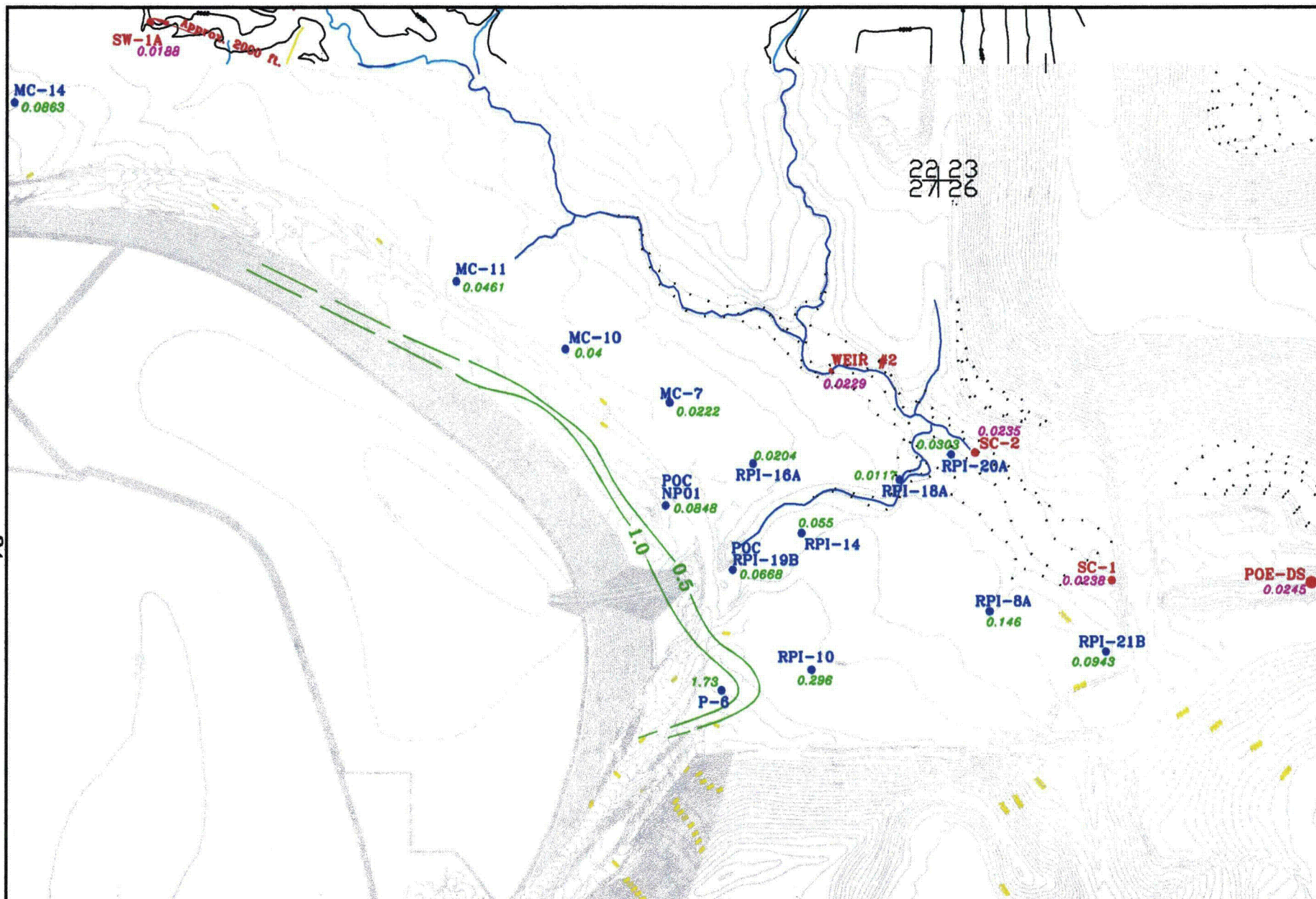


Figure 20. TDS Concentration Versus Time For Surface Water Sample Locations SW-1A, SC-2 and POE-DS



LEGEND:

- 0.0146 ● MONITORING WELL URANIUM CONCENTRATION (mg/l)
- URANIUM ISO-CONCENTRATION CONTOURS
- 0.0235 ● SURFACE WATER URANIUM CONCENTRATION (mg/l)

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SHIRLEY BASIN, WYOMING T28N, R28W

FIGURE 21. 2006 URANIUM
CONCENTRATIONS IN SURFICIAL
AQUIFER MONITORING WELLS.

DRAWN BY: TGM DATE: 2-2007 Approx. Scale: 1"=700'
Seriannu1-07-1st.dwg HYDRO-ENGINEERING L.L.C.

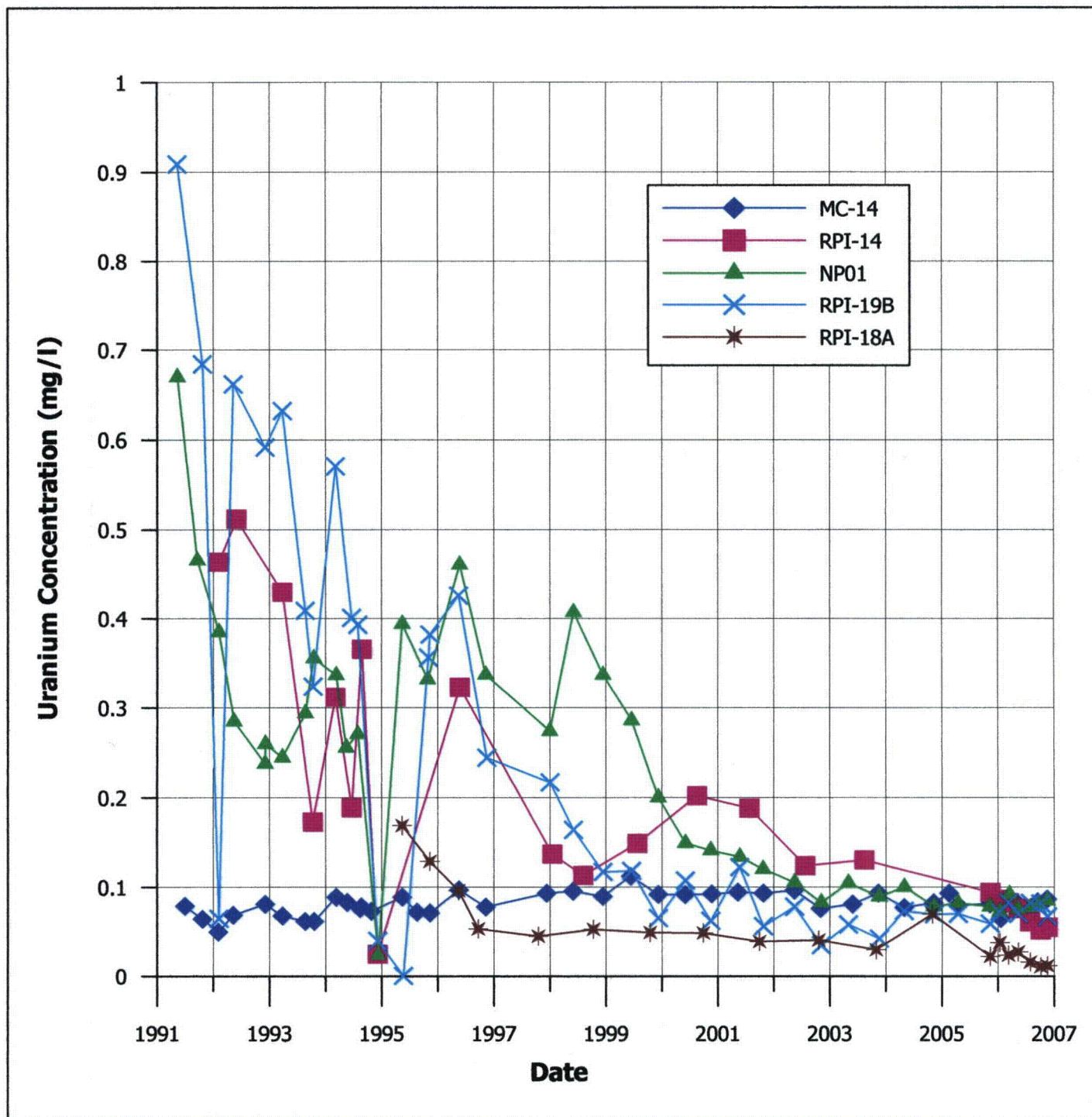


Figure 22. Uranium Concentration Versus Time For Wells MC-14, RPI-14, NP01, RPI-19B and RPI-18A

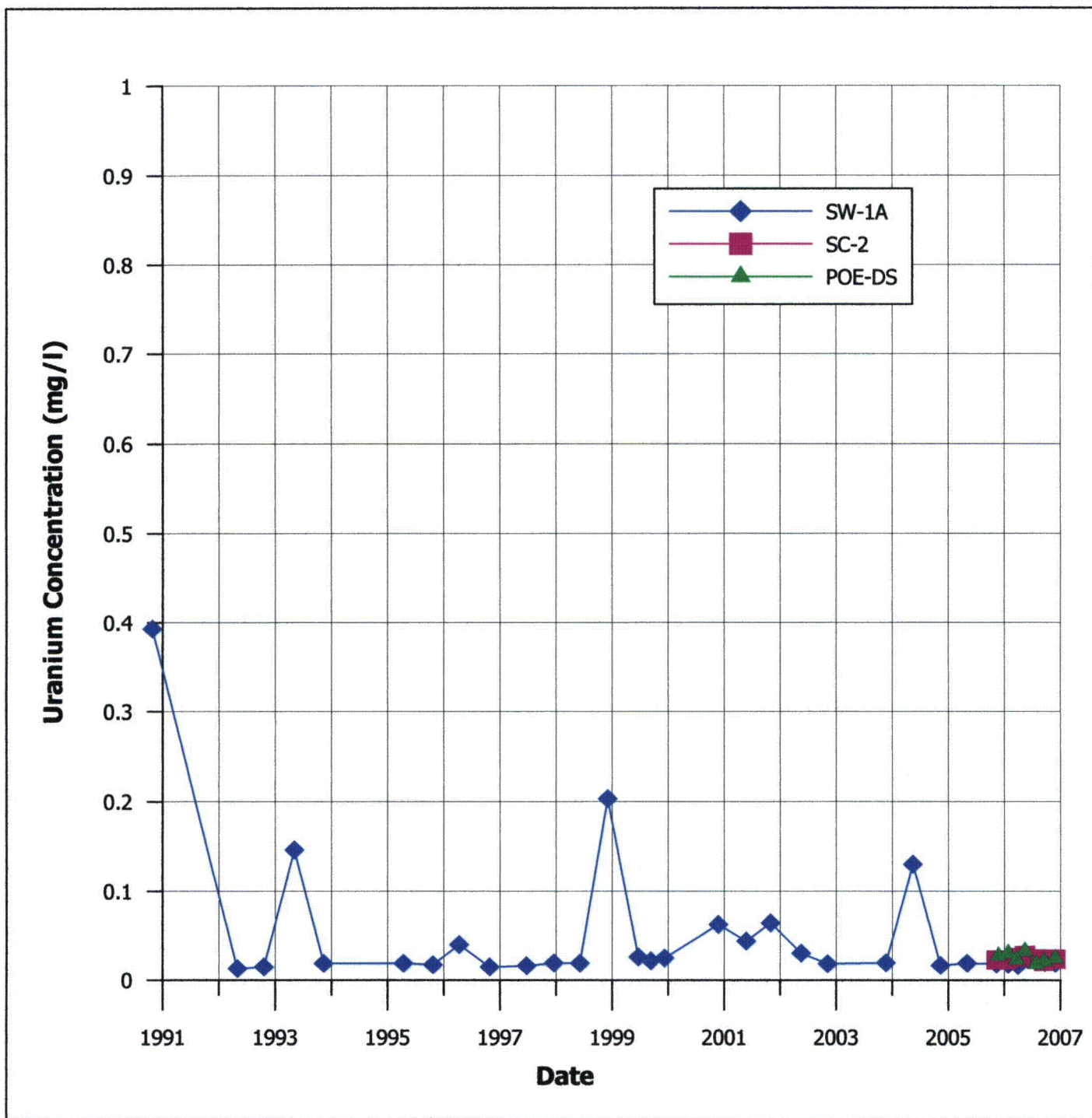


Figure 23. Uranium Concentration Versus Time For Surface Water Sample Locations SW-1A, SC-2 and POE-DS

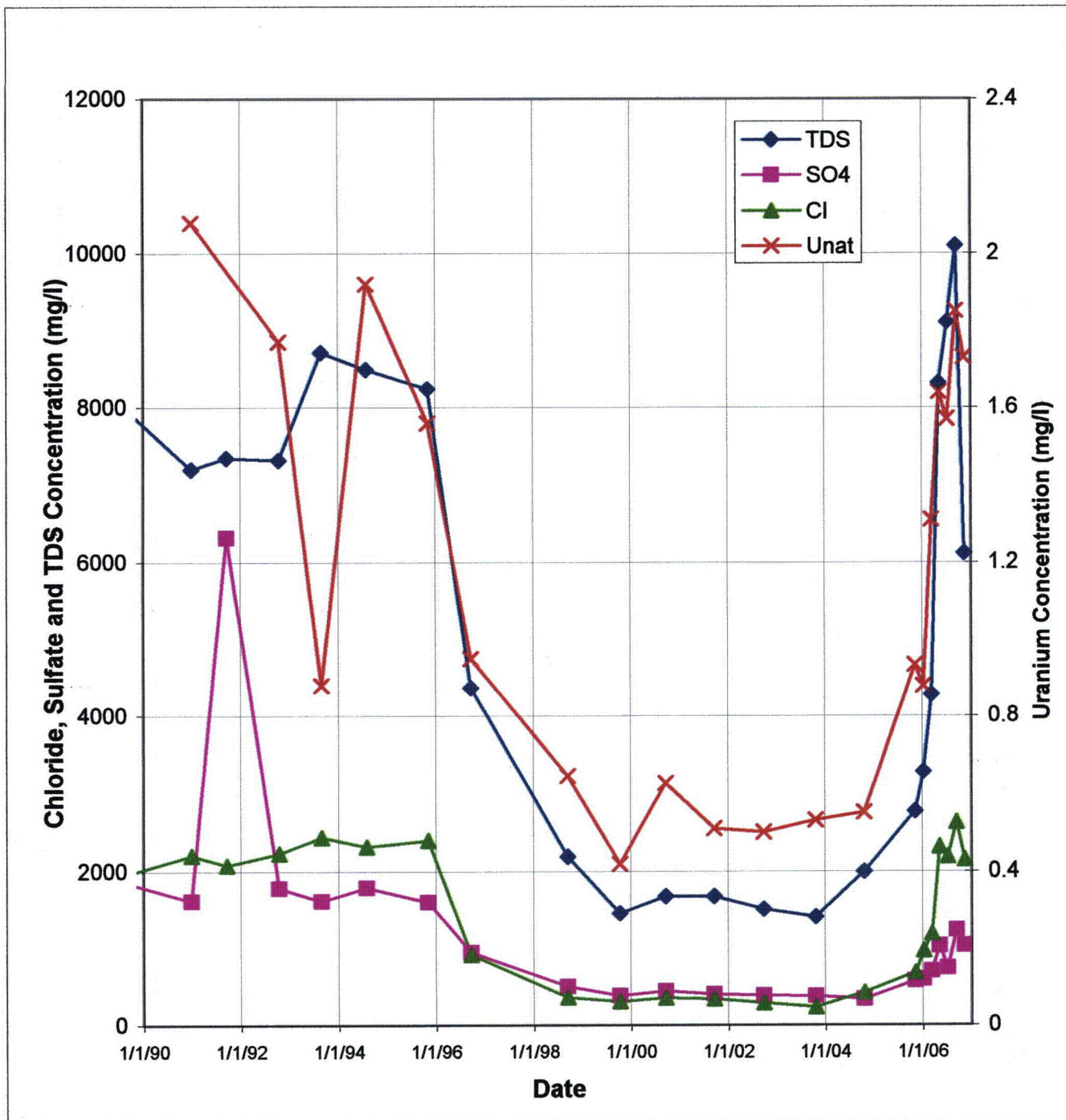


Figure 24. Chloride, Sulfate, TDS and Uranium Concentration Versus Time For Well P-6

TABLE 2. MONITOR WELL WATER-LEVEL AND WATER-QUALITY DATA

Sample Point Name	Date	WL (feet)	WL_ELEV (ft-msl)	pH(f) (std. units)	Cond(f) (µmhos)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Unat (mg/l)	Se (mg/l)
MC07	2/10/2004	12.25	7037.36	7.60	547	374	84.5	14.7	—	—
	4/26/2004	11.72	7037.89	7.50	535	349	50.9	14.9	0.0140	0.044
	8/12/2004	11.92	7037.69	7.90	448	323	51.0	14.0	—	—
	11/4/2004	12.10	7037.51	7.80	441	316	48.0	14.0	0.0112	0.056
	2/3/2005	12.71	7036.90	7.85	446	323	42.0	14.0	—	—
	4/11/2005	12.52	7037.09	7.35	419	262	38.0	13.0	0.0141	0.070
	8/8/2005	12.17	7037.44	7.00	426	279	39.0	13.0	—	—
	11/7/2005	12.80	7036.81	7.57	471	310	37.0	12.0	0.0178	0.079
	1/16/2006	12.85	7036.76	6.85	529	272	40.0	13.0	0.0185	0.083
	3/27/2006	13.64	7035.97	7.41	702	284	43.0	18.0	0.0206	0.083
	5/9/2006	13.00	7036.61	7.77	493	372	41.0	12.0	0.0181	0.080
	7/11/2006	13.01	7036.60	7.40	491	280	41.0	13.0	0.0173	0.084
	9/13/2006	13.17	7036.44	7.37	552	316	44.0	22.0	0.0215	0.067
	11/14/2006	13.30	7036.31	7.26	518	302	58.0	39.0	0.0222	0.058
MC10	6/10/2004	11.15	7041.45	8.10	505	310	41.3	20.7	0.0370	—
	11/21/2005	14.73	7037.87	7.92	518	344	42.0	15.0	0.0303	0.035
	1/16/2006	14.75	7037.85	7.07	654	316	44.0	18.0	0.0247	0.035
	3/27/2006	15.23	7037.37	8.10	556	316	46.0	20.0	0.0254	0.036
	5/9/2006	14.34	7038.26	8.37	560	298	43.0	24.0	0.0240	0.034
	7/11/2006	14.04	7038.56	7.85	536	322	45.0	27.0	0.0247	0.027
	9/13/2006	14.55	7038.05	7.54	642	372	48.0	44.0	0.0381	0.027
	11/14/2006	14.79	7037.81	7.04	579	390	54.0	71.0	0.0400	0.023
MC11	2/11/2004	12.97	7043.54	7.10	966	599	27.2	200.8	—	—
	4/27/2004	12.49	7044.02	7.45	990	657	35.2	123.0	0.0510	0.003
	8/13/2004	12.24	7044.27	8.00	1081	647	35.0	207.0	—	—
	11/4/2004	12.99	7043.52	7.45	950	607	32.0	213.0	0.0480	0.002
	2/3/2005	13.91	7042.60	7.60	1049	675	32.0	226.0	—	—
	4/11/2005	13.63	7042.88	6.85	1023	581	26.0	216.0	0.0483	0.001
	8/9/2005	13.02	7043.49	7.20	1096	613	26.0	218.0	—	—
	11/8/2005	13.68	7042.83	6.61	1131	627	24.0	211.0	0.0464	< 0.001
	1/16/2006	13.61	7042.90	6.37	1439	604	24.0	228.0	0.0441	0.001
	3/27/2006	14.02	7042.49	7.67	1184	614	27.0	222.0	0.0442	< 0.001
	5/9/2006	13.23	7043.28	7.22	1276	624	32.0	239.0	0.0509	0.001
	7/11/2006	12.54	7043.97	7.80	1143	642	23.0	235.0	0.0369	< 0.001
	9/13/2006	12.53	7043.98	7.17	592	642	27.0	221.0	0.0489	< 0.001
	11/14/2006	12.88	7043.63	6.76	804	568	25.0	236.0	0.0461	< 0.001
MC14	2/11/2004	22.44	7062.27	7.20	529	358	24.1	10.5	—	—
	4/27/2004	22.27	7062.44	7.50	560	397	21.2	17.7	0.0770	< 0.001
	8/13/2004	22.98	7061.73	8.05	504	368	24.0	12.0	—	—

TABLE 2. MONITOR WELL WATER-LEVEL AND WATER-QUALITY DATA

Sample Point Name	Date	WL (feet)	WL_ELEV (ft-msl)	pH(f) (std. units)	Cond(f) (µmhos)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Unat (mg/l)	Se (mg/l)
MC14	11/5/2004	23.03	7061.68	7.20	528	340	26.0	15.0	0.0821	< 0.001
	2/14/2005	23.17	7061.54	7.10	530	364	25.0	13.0	0.0931	0.001
	4/11/2005	23.35	7061.36	7.10	530	331	23.0	17.0	0.0797	< 0.001
	8/9/2005	23.36	7061.35	7.35	570	352	21.0	16.0	—	—
	11/8/2005	23.37	7061.34	6.58	610	351	22.0	16.0	0.0812	< 0.001
	1/16/2006	23.45	7061.26	6.80	798	346	23.0	20.0	0.0647	< 0.001
	3/27/2006	23.73	7060.98	7.80	610	362	26.0	24.0	0.0797	< 0.001
	5/9/2006	23.15	7061.56	7.89	616	326	22.0	27.0	0.0812	< 0.001
	7/11/2006	23.32	7061.39	7.45	607	352	25.0	27.0	0.0744	< 0.001
	9/13/2006	23.34	7061.37	7.50	1132	374	23.0	31.0	0.0834	< 0.001
	11/14/2006	23.18	7061.53	7.31	430	312	22.0	26.0	0.0863	< 0.001
NP01	1/2/2004	13.98	7037.83	—	—	—	—	—	—	—
	2/2/2004	14.08	7037.73	—	—	—	—	—	—	—
	2/12/2004	14.11	7037.70	7.30	659	450	122.6	25.6	—	—
	3/4/2004	14.00	7037.81	—	—	—	—	—	—	—
	4/1/2004	13.54	7038.27	—	—	—	—	—	—	—
	4/28/2004	13.51	7038.30	8.00	677	492	118.0	38.6	0.1000	0.028
	5/3/2004	13.51	7038.30	—	—	—	—	—	—	—
	6/7/2004	13.65	7038.16	—	—	—	—	—	—	—
	7/6/2004	13.55	7038.26	—	—	—	—	—	—	—
	8/2/2004	13.58	7038.23	—	—	—	—	—	—	—
	8/18/2004	13.58	7038.23	7.70	649	495	141.0	24.0	—	—
	9/10/2004	13.60	7038.21	—	—	—	—	—	—	—
	10/1/2004	14.02	7037.79	—	—	—	—	—	—	—
	11/1/2004	14.15	7037.66	—	—	—	—	—	—	—
	11/8/2004	14.05	7037.76	7.30	578	411	108.0	19.0	0.0784	0.031
	12/1/2004	14.38	7037.43	—	—	—	—	—	—	—
	2/7/2005	14.45	7037.36	7.10	653	395	96.0	35.0	—	—
	4/14/2005	15.69	7036.12	7.20	575	379	85.0	28.0	0.0818	0.039
	8/15/2005	26.90	7024.91	7.45	636	406	80.0	16.0	—	—
	11/8/2005	14.38	7037.43	6.75	658	392	72.0	25.0	0.0783	0.049
	1/11/2006	14.41	7037.40	7.05	571	380	79.0	19.0	0.0723	0.057
	3/14/2006	14.56	7037.25	8.10	655	412	74.0	34.0	0.0920	0.063
	5/10/2006	13.30	7038.51	7.69	704	344	67.0	29.0	0.0754	0.063
	7/26/2006	13.69	7038.12	7.30	715	372	81.0	32.0	0.0770	0.067
	9/21/2006	13.62	7038.19	6.91	701	488	109.0	63.0	0.0807	0.051
	11/15/2006	13.87	7037.94	6.55	806	534	138.0	89.0	0.0848	0.052
P-6	10/20/2004	27.72	7030.48	6.40	2110	2000	337.0	424.0	0.5520	0.092
	11/10/2005	24.21	7033.99	4.76	3800	2770	577.0	689.0	0.9330	0.073

TABLE 2. MONITOR WELL WATER-LEVEL AND WATER-QUALITY DATA

Sample Point Name	Date	WL (feet)	WL_ELEV (ft-msl)	pH(f) (std. units)	Cond(f) (µmhos)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Unat (mg/l)	Se (mg/l)
P-6	1/11/2006	23.81	7034.39	5.98	4200	3280	600.0	970.0	0.8790	0.068
	3/14/2006	23.90	7034.30	6.88	5700	4280	703.0	1190.0	1.3100	0.074
	5/10/2006	22.25	7035.95	6.57	8810	8320	1030.0	2320.0	1.6400	0.051
	7/11/2006	22.11	7036.09	6.60	5840	9100	749.0	2190.0	1.5700	0.044
	9/15/2006	22.13	7036.07	5.82	6400	10100	1240.0	2630.0	1.8500	0.034
	11/15/2006	22.18	7036.02	6.24	4700	6120	1040.0	2150.0	1.7300	0.043
RPI-8A	6/28/2004	8.81	7030.59	7.70	906	692	326.0	13.0	0.1030	< 0.001
	11/10/2005	11.39	7028.01	6.72	893	580	198.0	15.0	0.1190	0.029
	1/10/2006	11.02	7028.38	6.46	856	566	206.0	15.0	0.1490	0.035
	3/8/2006	11.11	7028.29	7.12	923	590	183.0	16.0	0.1300	0.033
	5/10/2006	10.89	7028.51	7.86	932	654	194.0	19.0	0.1510	0.033
	7/26/2006	10.94	7028.46	7.40	1033	530	205.0	16.0	0.1410	0.036
	9/21/2006	11.00	7028.40	7.30	691	562	226.0	16.0	0.1210	0.032
	11/15/2006	11.02	7028.38	6.94	743	650	236.0	61.0	0.1460	0.027
RPI-10	2/11/2004	14.29	7035.12	7.00	869	682	292.3	10.9	—	—
	8/19/2004	15.37	7034.04	7.65	828	656	295.0	11.0	—	—
	2/7/2005	16.62	7032.79	6.90	844	638	305.0	11.0	—	—
	11/10/2005	16.80	7032.61	8.26	889	638	283.0	11.0	0.2980	0.003
	1/9/2006	11.73	7037.68	6.02	1178	794	284.0	7.0	0.3160	0.003
	3/8/2006	16.78	7032.63	7.36	909	668	276.0	11.0	0.2920	0.004
	5/10/2006	16.13	7033.28	7.49	934	650	276.0	12.0	0.3300	0.004
	7/26/2006	15.75	7033.66	7.30	1032	640	276.0	11.0	0.3190	0.004
	10/2/2006	15.70	7033.71	6.65	775	700	316.0	15.0	0.3010	0.004
RPI-14	11/15/2006	15.78	7033.63	6.84	722	610	291.0	14.0	0.2960	0.004
	11/10/2005	8.21	7033.69	6.38	1327	796	284.0	34.0	0.0940	0.007
	1/9/2006	8.16	7033.74	6.73	888	780	284.0	31.0	0.0861	0.008
	3/8/2006	7.85	7034.05	7.54	1128	796	262.0	30.0	0.0822	0.008
	5/11/2006	7.75	7034.15	7.58	1294	696	232.0	28.0	0.0762	0.007
	7/26/2006	8.04	7033.86	7.50	1239	610	223.0	21.0	0.0610	0.007
	10/2/2006	7.67	7034.23	7.43	793	562	198.0	16.0	0.0519	0.005
	11/16/2006	7.65	7034.25	7.25	782	574	176.0	19.0	0.0550	0.005
RPI-16A	10/28/2004	10.71	7036.89	7.20	527	362	66.0	34.0	0.0203	0.049
	11/10/2005	11.21	7036.39	6.82	608	381	71.0	19.0	0.0228	0.056
	1/12/2006	11.51	7036.09	6.69	567	396	73.0	33.0	0.0215	0.065
	3/9/2006	11.80	7035.80	7.23	555	352	62.0	15.0	0.0224	0.073
	5/11/2006	11.14	7036.46	7.89	570	300	53.0	16.0	0.0227	0.076
	7/27/2006	11.33	7036.27	7.50	623	318	59.0	17.0	0.0236	0.082
	10/2/2006	11.20	7036.40	7.16	431	316	60.0	16.0	0.0215	0.072

TABLE 2. MONITOR WELL WATER-LEVEL AND WATER-QUALITY DATA

Sample Point Name	Date	WL (feet)	WL_ELEV (ft-msl)	pH(f) (std. units)	Cond(f) (µmhos)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Unat (mg/l)	Se (mg/l)
RPI-16A	11/16/2006	11.28	7036.32	6.83	504	322	57.0	17.0	0.0204	0.074
RPI-18A	10/28/2004	2.66	7029.19	7.65	577	409	122.0	16.0	0.0696	0.036
	11/10/2005	7.14	7024.71	6.29	320	283	49.0	11.0	0.0222	0.037
	1/12/2006	4.69	7027.16	6.35	428	304	57.0	30.0	0.0376	0.006
	3/9/2006	3.68	7028.17	7.10	448	276	47.0	10.0	0.0236	0.007
	5/11/2006	4.06	7027.79	7.57	453	246	41.0	10.0	0.0274	< 0.001
	7/27/2006	6.25	7025.60	7.60	522	252	49.0	9.0	0.0159	0.010
	10/3/2006	5.95	7025.90	6.48	418	250	45.0	9.0	0.0107	0.011
	11/16/2006	5.17	7026.68	6.70	406	256	57.0	10.0	0.0117	< 0.002
RPI-19B	2/13/2004	10.81	7036.00	7.85	947	663	282.9	10.4	—	—
	4/28/2004	10.84	7035.97	7.50	1063	799	301.0	10.8	0.0730	0.002
	8/19/2004	11.13	7035.68	7.80	901	671	225.0	16.0	—	—
	11/8/2004	11.49	7035.32	7.65	793	568	173.0	21.0	0.0693	0.002
	2/8/2005	11.84	7034.97	7.10	854	543	165.0	17.0	—	—
	4/14/2005	11.85	7034.96	7.10	800	538	162.0	15.0	0.0700	0.001
	8/15/2005	12.15	7034.66	7.35	1444	1030	443.0	12.0	—	—
	11/9/2005	12.13	7034.68	6.37	1018	666	238.0	21.0	0.0588	0.002
	1/9/2006	11.57	7035.24	6.93	1153	772	298.0	22.0	0.0720	0.003
	3/9/2006	11.03	7035.78	7.53	1179	726	252.0	22.0	0.0826	0.003
	5/11/2006	10.29	7036.52	7.57	925	778	209.0	21.0	0.0700	0.003
	7/27/2006	11.93	7034.88	7.60	870	504	175.0	23.0	0.0820	< 0.001
	10/3/2006	10.45	7036.36	6.70	758	522	169.0	28.0	0.0815	< 0.001
	11/16/2006	10.61	7036.20	6.82	825	572	184.0	68.0	0.0668	< 0.001
RPI-20A	2/13/2004	5.48	7026.13	—	—	—	—	—	—	—
	4/28/2004	5.25	7026.36	7.30	1022	753	260.0	21.9	0.0190	0.001
	8/19/2004	5.86	7025.75	6.95	691	498	154.0	21.0	—	—
	11/8/2004	5.58	7026.03	7.50	718	515	185.0	25.0	0.0059	0.001
	2/8/2005	5.89	7025.72	7.15	822	536	168.0	22.0	—	—
	4/20/2005	5.85	7025.76	6.85	674	425	100.0	19.0	0.0118	< 0.001
	8/15/2005	7.00	7024.61	7.28	837	560	151.0	38.0	—	—
	11/9/2005	5.74	7025.87	6.46	1856	1390	763.0	28.0	0.0146	< 0.001
	1/10/2006	6.60	7025.01	6.03	1440	1060	539.0	26.0	0.0182	0.001
	3/9/2006	6.54	7025.07	7.52	1439	1040	481.0	26.0	0.0192	0.001
	5/11/2006	6.13	7025.48	7.31	1484	986	454.0	21.0	0.0690	< 0.001
	7/31/2006	* 7.83	7023.78	—	—	—	—	—	—	—
	10/3/2006	7.20	7024.41	6.64	948	772	320.0	25.0	0.0355	0.003
	11/28/2006	6.93	7024.68	6.95	982	772	365.0	28.0	0.0303	0.001
RPI-21B	2/13/2004	7.44	7029.20	7.90	889	652	377.2	9.8	—	—

*Insufficient water to sample

TABLE 2. MONITOR WELL WATER-LEVEL AND WATER-QUALITY DATA

Sample Point Name	Date	WL (feet)	WL_ELEV (ft-msl)	pH(f) (std. units)	Cond(f) (µmhos)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Unat (mg/l)	Se (mg/l)
RPI-21B	4/28/2004	7.72	7028.92	7.45	855	673	279.0	10.1	0.0810	0.001
	8/19/2004	8.57	7028.07	7.95	841	640	284.0	10.0	—	—
	11/8/2004	9.13	7027.51	7.65	818	631	284.0	11.0	0.0648	0.003
	2/8/2005	9.85	7026.79	7.25	904	624	288.0	11.0	—	—
	4/20/2005	9.80	7026.84	7.25	910	608	280.0	12.0	0.0671	0.002
	8/15/2005	11.15	7025.49	6.85	907	652	270.0	723.0	—	—
	11/9/2005	11.18	7025.46	6.51	954	647	274.0	11.0	0.0679	0.002
	1/10/2006	11.44	7025.20	6.17	933	624	285.0	10.0	0.0763	0.002
	3/14/2006	11.79	7024.85	7.39	998	634	261.0	13.0	0.0916	0.002
	5/11/2006	11.38	7025.26	7.77	960	684	263.0	13.0	0.0684	< 0.001
	7/31/2006	11.72	7024.92	7.40	855	626	296.0	13.0	0.0945	0.005
	10/3/2006	11.74	7024.90	6.94	790	628	280.0	13.0	0.0865	0.005
	11/28/2006	11.82	7024.82	7.26	832	644	292.0	14.0	0.0943	0.005

TABLE 2. MONITOR WELL WATER-LEVEL AND WATER-QUALITY DATA (cont'd.)

Sample Point Name	Date	Th230 (pCi/l)	Th230(e) (pCi/l)	Ra226 (pCi/l)	Ra226(e) (pCi/l)	Ra228 (pCi/l)	Ra228(e) (pCi/l)	Ra226+228 (pCi/l)	Alpha (pCi/l)
MC07	4/26/2004	< 0.200	—	< 0.200	—	< 1.000	—	< 1.20	< 1.00
	11/4/2004	< 0.200	—	< 0.200	—	< 1.000	—	< 1.20	1.50
	4/11/2005	< 0.200	—	0.400	± 0.30	< 1.000	—	< 1.40	1.10
	11/7/2005	< 0.200	—	1.500	± 0.60	< 1.000	—	< 2.50	1.10
	1/16/2006	< 0.200	—	0.400	± 0.30	< 1.000	—	< 1.40	< 1.00
	3/27/2006	< 1.000	—	0.700	± 0.40	< 1.000	—	< 1.70	< 1.00
	5/9/2006	< 0.200	—	< 0.200	± 0.20	< 1.000	—	< 1.20	< 1.00
	7/11/2006	< 0.200	—	1.300	± 0.40	< 1.000	—	< 2.30	1.60
	9/13/2006	< 0.200	—	< 0.200	0.20	< 1.000	—	< 1.20	1.80
	11/14/2006	< 0.200	—	0.800	0.50	< 1.000	—	< 1.80	1.00
MC10	11/21/2005	< 0.200	—	0.800	± 0.40	< 1.000	—	< 1.80	1.80
	1/16/2006	< 0.200	—	< 0.200	—	< 1.000	—	< 1.20	< 1.00
	3/27/2006	< 1.000	—	< 0.200	± 0.20	< 1.000	—	< 1.20	< 1.00
	5/9/2006	< 0.200	—	< 0.200	± 0.20	< 1.000	—	< 1.20	< 1.00
	7/11/2006	< 0.200	—	0.800	± 0.30	< 1.000	—	< 1.80	1.50
	9/13/2006	< 0.200	—	< 0.200	0.20	< 1.000	—	< 1.20	1.70
	11/14/2006	< 0.200	—	< 0.200	0.20	< 1.000	—	< 1.20	< 1.00
MC11	4/27/2004	0.600	± 0.300	2.800	± 0.60	2.300	± 1.20	5.10	4.00
	11/4/2004	< 0.200	—	2.400	± 0.50	< 1.000	—	< 3.40	3.00
	4/11/2005	< 0.200	—	3.800	± 0.70	< 1.000	—	< 4.80	3.40
	11/8/2005	< 0.200	—	1.800	± 0.50	1.700	± 0.90	3.50	3.80
	1/16/2006	< 0.200	—	1.900	± 0.50	< 1.000	—	< 2.90	2.50
	3/27/2006	< 1.000	—	3.300	± 0.70	1.600	± 1.00	4.90	3.50
	5/9/2006	< 0.200	—	3.100	± 0.60	< 1.000	—	< 4.10	2.70
	7/11/2006	< 0.200	—	5.200	± 0.80	1.500	± 0.80	6.70	6.10
	9/13/2006	< 0.200	—	3.100	0.60	< 1.000	—	< 4.10	4.10
	11/14/2006	< 0.200	—	3.500	0.80	< 1.000	—	< 4.50	3.60
MC14	4/27/2004	< 0.200	—	0.900	± 0.40	< 1.000	—	< 1.90	1.00
	11/5/2004	< 0.200	—	0.300	± 0.30	< 1.000	—	< 1.30	< 1.00
	2/14/2005	—	—	0.900	± 0.20	—	—	—	—
	4/11/2005	< 0.200	—	1.200	± 0.40	< 1.000	—	< 2.20	1.90
	11/8/2005	< 0.200	—	4.900	± 0.80	< 1.000	—	< 5.90	1.70
	1/16/2006	< 0.200	—	0.600	± 0.30	< 1.000	—	< 1.60	1.00
	3/27/2006	< 1.000	—	0.500	± 0.30	< 1.000	—	< 1.50	1.00
	5/9/2006	< 0.200	—	0.700	± 0.30	< 1.000	—	< 1.70	< 1.00
	7/11/2006	< 0.200	—	1.200	± 0.40	< 1.000	—	< 2.20	2.90
	9/13/2006	< 0.200	—	0.700	0.30	< 1.000	—	< 1.70	1.40
	11/14/2006	< 0.200	—	1.200	0.50	< 1.000	—	< 2.20	1.40

TABLE 2. MONITOR WELL WATER-LEVEL AND WATER-QUALITY DATA (cont'd.)

Sample Point Name	Date	Th230 (pCi/l)	Th230(e) (pCi/l)	Ra226 (pCi/l)	Ra226(e) (pCi/l)	Ra228 (pCi/l)	Ra228(e) (pCi/l)	Ra226+228 (pCi/l)	Alpha (pCi/l)
NP01	4/28/2004	0.700	± 0.500	0.500	± 0.30	< 1.000	---	< 1.50	< 1.00
	11/8/2004	< 0.200	---	< 0.200	---	6.300	± 1.30	< 6.50	< 1.00
	4/14/2005	< 0.200	---	0.600	± 0.30	< 1.000	---	< 1.60	< 1.00
	11/8/2005	< 0.200	---	1.200	± 0.40	< 1.000	---	< 2.20	1.20
	1/11/2006	< 0.200	---	0.800	± 0.30	4.500	± 1.00	5.30	1.10
	3/14/2006	< 0.200	---	< 0.200	± 0.20	< 1.000	---	< 1.20	< 1.00
	5/10/2006	< 0.200	---	< 0.200	± 0.20	< 1.000	---	< 1.20	< 1.00
	7/26/2006	< 0.200	---	0.600	0.40	< 1.000	---	< 1.60	< 1.00
	9/21/2006	< 0.200	---	1.100	0.40	< 1.000	---	< 2.10	< 1.00
	11/15/2006	< 0.200	---	1.000	0.50	< 1.000	---	< 2.00	1.30
P-6	10/20/2004	< 0.200	---	0.800	± 0.40	< 1.000	---	< 1.80	1.20
	11/10/2005	< 0.200	---	2.500	± 0.50	4.100	± 1.00	6.60	2.20
	1/11/2006	< 0.200	---	2.600	± 0.60	5.100	± 1.00	7.70	1.80
	3/14/2006	< 0.200	---	1.500	± 0.50	2.100	± 0.80	3.60	2.50
	5/10/2006	< 0.200	---	1.600	± 0.40	< 1.000	---	< 2.60	1.90
	7/11/2006	< 0.200	---	3.800	± 0.60	1.400	± 0.70	5.20	5.40
	9/15/2006	< 0.200	---	3.700	0.70	< 1.000	---	< 4.70	6.50
	11/15/2006	< 0.200	---	4.800	0.90	1.700	0.90	6.50	4.30
RPI-8A	6/28/2004	< 0.200	---	0.400	± 0.30	< 1.000	---	< 1.40	---
	11/10/2005	< 0.200	---	0.800	± 0.40	< 1.000	---	< 1.80	< 1.00
	1/10/2006	< 0.200	---	0.700	± 0.40	1.200	± 0.90	1.90	< 1.00
	3/8/2006	< 0.200	---	< 0.200	± 0.20	< 1.000	---	< 1.20	1.00
	5/10/2006	< 0.200	---	< 0.200	± 0.20	< 1.000	---	< 1.20	< 1.00
	7/26/2006	< 0.200	---	1.600	0.50	< 1.000	---	< 2.60	1.40
	9/21/2006	< 0.200	---	1.100	0.40	< 1.000	---	< 2.10	< 1.00
	11/15/2006	< 0.200	---	< 0.200	0.20	< 1.000	---	< 1.20	< 1.00
RPI-10	11/10/2005	< 0.200	---	1.800	± 0.50	< 1.000	---	< 2.80	< 1.00
	1/9/2006	< 0.200	---	0.900	± 0.50	< 1.000	---	< 1.90	< 1.00
	3/8/2006	< 0.200	---	1.000	± 0.40	< 1.000	---	< 2.00	1.90
	5/10/2006	< 0.200	---	< 0.200	± 0.20	< 1.000	---	< 1.20	< 1.00
	7/26/2006	< 0.200	---	1.400	0.50	< 1.000	---	< 2.40	1.60
	10/2/2006	< 0.200	---	3.200	0.60	< 1.000	---	< 4.20	4.50
	11/15/2006	< 0.200	---	< 0.200	0.20	< 1.000	---	< 1.20	< 1.00
RPI-14	11/10/2005	< 0.200	---	0.700	± 0.30	1.700	± 0.90	2.40	< 1.00
	1/9/2006	< 0.200	---	0.500	± 0.30	< 1.000	---	< 1.50	< 1.00
	3/8/2006	< 0.200	---	0.600	± 0.40	< 1.000	---	< 1.60	1.20
	5/11/2006	< 0.200	---	< 0.200	± 0.20	< 1.000	---	< 1.20	< 1.00
	7/26/2006	< 0.200	---	1.000	0.40	< 1.000	---	< 2.00	< 1.00

TABLE 2. MONITOR WELL WATER-LEVEL AND WATER-QUALITY DATA (cont'd.)

Sample Point Name	Date	Th230 (pCi/l)	Th230(e) (pCi/l)	Ra226 (pCi/l)	Ra226(e) (pCi/l)	Ra228 (pCi/l)	Ra228(e) (pCi/l)	Ra226+228 (pCi/l)	Alpha (pCi/l)
RPI-14	10/2/2006	< 0.200	—	1.400	0.40	< 1.000	—	< 2.40	< 1.00
	11/16/2006	< 0.200	—	< 0.200	0.20	< 1.000	—	< 1.20	< 1.00
RPI-16A	10/28/2004	< 0.200	—	< 0.200	± 1.00	1.600	—	< 1.80	< 1.00
	11/10/2005	< 0.200	—	0.500	± 0.30	< 1.000	—	< 1.50	< 1.00
	1/12/2006	0.200	—	0.600	± 0.30	4.100	± 1.00	4.70	< 1.00
	3/9/2006	< 0.200	—	< 0.200	± 0.20	< 1.000	—	< 1.20	1.10
	5/11/2006	< 0.200	—	< 0.200	± 0.20	< 1.000	—	< 1.20	< 1.00
	7/27/2006	< 0.200	—	0.600	0.40	< 1.000	—	< 1.60	< 1.00
	10/2/2006	< 0.200	—	< 0.200	0.20	< 1.000	—	< 1.20	< 1.00
	11/16/2006	< 0.200	—	< 0.200	0.20	< 1.000	—	< 1.20	< 1.00
RPI-18A	10/28/2004	< 0.200	—	< 0.200	—	< 1.000	—	< 1.20	< 1.00
	11/10/2005	< 0.200	—	< 0.200	—	< 1.000	—	< 1.20	< 1.00
	1/12/2006	< 0.200	—	0.500	± 0.30	5.400	± 1.00	5.90	< 1.00
	3/9/2006	< 0.200	—	0.300	± 0.30	< 1.000	—	< 1.30	1.30
	5/11/2006	< 0.200	—	< 0.200	± 0.20	< 1.000	—	< 1.20	< 1.00
	7/27/2006	< 0.200	—	< 0.200	0.20	< 1.000	—	< 1.20	< 1.00
	10/3/2006	< 0.200	—	0.600	0.30	< 1.000	—	< 1.60	1.10
	11/16/2006	< 0.200	—	< 0.200	0.20	< 1.000	—	< 1.20	< 1.00
RPI-19B	4/28/2004	< 0.200	—	< 0.200	—	< 1.000	—	< 1.20	< 1.00
	11/8/2004	< 0.200	—	0.600	± 0.50	< 1.000	—	< 1.60	< 1.00
	4/14/2005	< 0.200	—	0.600	± 0.30	< 1.000	—	< 1.60	1.50
	11/9/2005	< 0.200	—	1.200	± 0.40	1.600	± 0.90	2.80	1.40
	1/9/2006	< 0.200	—	0.800	± 0.60	< 1.000	—	< 1.80	< 1.00
	3/9/2006	< 0.200	—	0.700	± 0.40	< 1.000	—	< 1.70	1.60
	5/11/2006	< 0.200	—	< 0.200	± 0.20	< 1.000	—	< 1.20	< 1.00
	7/27/2006	< 0.200	—	0.800	0.60	< 1.000	—	< 1.80	< 1.00
	10/3/2006	< 0.200	—	0.600	0.30	< 1.000	—	< 1.60	< 1.00
	11/16/2006	< 0.200	—	< 0.200	0.20	< 1.000	—	< 1.20	< 1.00
RPI-20A	4/28/2004	< 0.200	—	0.400	± 0.30	< 1.000	—	< 1.40	< 1.00
	11/8/2004	< 0.200	—	< 0.200	—	< 1.000	—	< 1.20	< 1.00
	4/20/2005	0.200	± 0.200	0.200	± 0.30	< 1.000	—	< 1.20	< 1.00
	11/9/2005	< 0.200	—	2.300	± 0.50	1.700	± 0.90	4.00	2.20
	1/10/2006	< 0.200	—	1.400	± 0.40	1.300	± 0.90	2.70	< 1.00
	3/9/2006	< 0.200	—	0.500	± 0.30	< 1.000	—	< 1.50	1.20
	5/11/2006	< 0.200	—	0.500	± 0.30	< 1.000	—	< 1.50	1.00
	10/3/2006	< 0.200	—	0.600	0.30	< 1.000	—	< 1.60	< 1.00
	11/28/2006	< 0.200	—	< 0.200	0.20	4.000	0.90	< 4.20	< 1.00
RPI-21B	4/28/2004	< 0.200	—	0.600	± 0.40	< 1.000	—	< 1.60	< 1.00

TABLE 2. MONITOR WELL WATER-LEVEL AND WATER-QUALITY DATA (cont'd.)

Sample Point Name	Date	Th230 (pCi/l)	Th230(e) (pCi/l)	Ra226 (pCi/l)	Ra226(e) (pCi/l)	Ra228 (pCi/l)	Ra228(e) (pCi/l)	Ra226+228 (pCi/l)	Alpha (pCi/l)
RPI-21B	11/8/2004	< 0.200	—	0.400	± 0.30	< 1.000	—	< 1.40	< 1.00
	4/20/2005	0.200	± 0.200	0.800	± 0.40	< 1.000	—	< 1.80	< 1.00
	11/9/2005	< 0.200	—	1.100	± 0.40	< 1.000	—	< 2.10	1.10
	1/10/2006	< 0.200	—	0.700	± 0.40	1.300	± 1.00	2.00	< 1.00
	3/14/2006	< 0.200	—	< 0.200	± 0.20	< 1.000	—	< 1.20	< 1.00
	5/11/2006	< 0.200	—	< 0.200	± 0.20	< 1.000	—	< 1.20	< 1.00
	7/31/2006	< 0.200	—	< 0.200	0.20	< 1.000	—	< 1.20	< 1.00
	10/3/2006	< 0.200	—	1.600	0.50	< 1.000	—	< 2.60	2.40
	11/28/2006	< 0.200	—	< 0.200	0.20	< 1.000	—	< 1.20	< 1.00

TABLE 2. MONITOR WELL WATER-LEVEL AND WATER-QUALITY DATA (cont'd.)

Sample Point Name	Date	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Cr (mg/l)	Mo (mg/l)	Ni (mg/l)	Pb (mg/l)	NO3+NO2 (mg/l)
MC07	2/10/2004	—	—	—	—	—	—	—	—	1.03
	4/26/2004	0.002	0.038	< 0.001	< 0.001	0.002	0.006	< 0.003	< 0.001	0.98
	8/12/2004	—	—	—	—	—	—	—	—	0.93
	11/4/2004	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	1.00
	2/3/2005	—	—	—	—	—	—	—	—	0.90
	4/11/2005	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.40
	8/8/2005	—	—	—	—	—	—	—	—	0.50
	11/7/2005	0.005	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	1/16/2006	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.30
	3/27/2006	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	—	0.50
	5/9/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.30
	7/11/2006	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.20
	9/13/2006	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	11/14/2006	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.50
MC10	11/21/2005	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.70
	1/16/2006	0.006	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	1.10
	3/27/2006	0.008	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	—	0.50
	5/9/2006	0.006	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.20
	7/11/2006	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.20
	9/13/2006	0.005	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	11/14/2006	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
MC11	2/11/2004	—	—	—	—	—	—	—	—	< 0.10
	4/27/2004	0.002	0.094	< 0.001	< 0.001	0.002	< 0.001	0.004	< 0.001	0.10
	8/13/2004	—	—	—	—	—	—	—	—	< 0.10
	11/4/2004	0.002	0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	2/3/2005	—	—	—	—	—	—	—	—	0.20
	4/11/2005	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	8/9/2005	—	—	—	—	—	—	—	—	< 0.10
	11/8/2005	0.002	0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	1/16/2006	0.002	0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	3/27/2006	0.002	0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	—	< 0.10
	5/9/2006	0.002	0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	7/11/2006	0.003	0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	9/13/2006	0.002	0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	11/14/2006	0.002	0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
MC14	2/11/2004	—	—	—	—	—	—	—	—	< 0.10
	4/27/2004	0.004	0.058	< 0.001	< 0.001	< 0.001	0.002	0.002	< 0.001	< 0.10
	8/13/2004	—	—	—	—	—	—	—	—	< 0.10
	11/5/2004	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10

TABLE 2. MONITOR WELL WATER-LEVEL AND WATER-QUALITY DATA (cont'd.)

Sample Point Name	Date	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Cr (mg/l)	Mo (mg/l)	Ni (mg/l)	Pb (mg/l)	NO3+NO2 (mg/l)
MC14	2/14/2005	0.004	< 0.100	—	< 0.005	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	4/11/2005	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	8/9/2005	—	—	—	—	—	—	—	—	< 0.10
	11/8/2005	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	1/16/2006	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	3/27/2006	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	—	< 0.10
	5/9/2006	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	7/11/2006	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	9/13/2006	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	11/14/2006	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
NP01	2/12/2004	—	—	—	—	—	—	—	—	0.79
	4/28/2004	0.005	0.048	< 0.001	< 0.001	0.002	0.006	0.004	< 0.001	0.82
	8/18/2004	—	—	—	—	—	—	—	—	1.90
	11/8/2004	0.006	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	1.20
	2/7/2005	—	—	—	—	—	—	—	—	0.60
	4/14/2005	0.005	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.50
	8/15/2005	—	—	—	—	—	—	—	—	0.30
	11/8/2005	0.006	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.80
	1/11/2006	0.006	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	1.00
	3/14/2006	0.005	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.30
	5/10/2006	0.005	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	7/26/2006	0.006	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	1.00
	9/21/2006	0.005	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.10
	11/15/2006	0.005	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.80
P-6	10/20/2004	0.006	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	9.30
	11/10/2005	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	4.30
	1/11/2006	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	5.30
	3/14/2006	0.005	0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	1.80
	5/10/2006	0.006	0.200	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	2.60
	7/11/2006	0.007	0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.60
	9/15/2006	0.005	0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	11/15/2006	0.010	0.200	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	1.60
RPI-8A	11/10/2005	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	1.10
	1/10/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.60
	3/8/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	1.60
	5/10/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	7/26/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	1.50
	9/21/2006	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.40
	11/15/2006	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.80

TABLE 2. MONITOR WELL WATER-LEVEL AND WATER-QUALITY DATA (cont'd.)

Sample Point Name	Date	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Cr (mg/l)	Mo (mg/l)	Ni (mg/l)	Pb (mg/l)	NO3+NO2 (mg/l)
RPI-10	2/11/2004	—	—	—	—	—	—	—	—	0.36
	8/19/2004	—	—	—	—	—	—	—	—	0.35
	2/7/2005	—	—	—	—	—	—	—	—	0.20
	11/10/2005	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.30
	1/9/2006	0.001	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.20
	3/8/2006	0.001	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.20
	5/10/2006	0.001	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	7/26/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.30
	10/2/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.20
	11/15/2006	0.001	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.20
RPI-14	11/10/2005	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.80
	1/9/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.60
	3/8/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.80
	5/11/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	7/26/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.50
	10/2/2006	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.20
	11/16/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.40
RPI-16A	10/28/2004	0.009	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	1.00
	11/10/2005	0.009	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.90
	1/12/2006	0.008	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.60
	3/9/2006	0.009	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	1.00
	5/11/2006	0.008	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	7/27/2006	0.009	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	1.00
	10/2/2006	0.009	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.40
	11/16/2006	0.009	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.60
RPI-18A	10/28/2004	0.007	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.20
	11/10/2005	0.007	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.30
	1/12/2006	0.005	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	3/9/2006	0.005	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	5/11/2006	0.005	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	7/27/2006	0.006	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	10/3/2006	0.005	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	11/16/2006	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
RPI-19B	2/13/2004	—	—	—	—	—	—	—	—	0.34
	4/28/2004	0.002	0.038	< 0.001	< 0.001	< 0.001	0.003	0.008	< 0.001	0.22
	8/19/2004	—	—	—	—	—	—	—	—	0.16
	11/8/2004	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	2/8/2005	—	—	—	—	—	—	—	—	< 0.10

TABLE 2. MONITOR WELL WATER-LEVEL AND WATER-QUALITY DATA (cont'd.)

Sample Point Name	Date	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Cr (mg/l)	Mo (mg/l)	Ni (mg/l)	Pb (mg/l)	NO3+NO2 (mg/l)
RPI-19B	4/14/2005	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	8/15/2005	—	—	—	—	—	—	—	—	0.10
	11/9/2005	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.20
	1/9/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.20
	3/9/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.10
	5/11/2006	0.005	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	7/27/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	10/3/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	11/16/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
RPI-20A	4/28/2004	0.018	0.037	< 0.001	< 0.001	< 0.001	0.001	0.007	< 0.001	< 0.10
	8/19/2004	—	—	—	—	—	—	—	—	< 0.10
	11/8/2004	0.023	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	2/8/2005	—	—	—	—	—	—	—	—	< 0.10
	4/20/2005	0.023	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	8/15/2005	—	—	—	—	—	—	—	—	< 0.10
	11/9/2005	0.024	0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	1/10/2006	0.021	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	3/9/2006	0.021	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	5/11/2006	0.002	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	10/3/2006	0.017	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	11/28/2006	0.016	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
RPI-21B	2/13/2004	—	—	—	—	—	—	—	—	0.33
	4/28/2004	0.004	0.034	< 0.001	< 0.001	< 0.001	0.007	0.006	< 0.001	0.28
	8/19/2004	—	—	—	—	—	—	—	—	0.31
	11/8/2004	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.40
	2/8/2005	—	—	—	—	—	—	—	—	0.20
	4/20/2005	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.10
	8/15/2005	—	—	—	—	—	—	—	—	< 0.10
	11/9/2005	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.20
	1/10/2006	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.20
	3/14/2006	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	5/11/2006	0.017	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	7/31/2006	0.004	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	0.40
	10/3/2006	0.005	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10
	11/28/2006	0.003	< 0.100	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050	< 0.10

TABLE 3. SURFACE WATER MONITORING DATA

Sample Point Name	Date	pH(f) (std. units)	Cond(f) (µmhos)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Unat (mg/l)	Se (mg/l)	NO3+NO2 (mg/l)
POE-DS	11/21/2005	5.05	431	273	28	15.0	0.0272	0.001	< 0.1
	1/23/2006	6.28	452	270	28	14.0	0.0301	0.001	0.1
	3/20/2006	7.17	416	—	—	—	0.0227	< 0.001	—
	5/12/2006	7.95	464	482	31	17.0	0.0326	0.002	< 0.1
	7/24/2006	7.80	412	274	17	5.0	0.0180	< 0.001	< 0.1
	9/15/2006	7.42	358	420	60	75.0	0.0210	< 0.001	< 0.1
	11/27/2006	6.18	355	242	36	11.0	0.0245	< 0.001	0.3
SC1	11/21/2005	6.33	424	260	27	18.0	0.0253	< 0.001	< 0.1
	1/19/2006	6.51	375	252	20	13.0	0.0227	0.001	0.1
	3/20/2006	7.82	398	—	—	—	0.0220	0.002	—
	5/12/2006	8.30	427	276	27	16.0	0.0311	< 0.001	< 0.1
	7/24/2006	8.50	357	192	16	5.0	0.0242	< 0.001	< 0.1
	9/15/2006	7.44	288	230	33	9.0	0.0199	< 0.001	< 0.1
	11/27/2006	6.36	400	230	21	13.0	0.0238	< 0.001	< 0.1
SC2	11/8/2005	6.50	389	250	20	14.0	0.0228	< 0.001	0.2
	1/19/2006	6.48	379	243	20	14.0	0.0227	0.001	0.1
	3/15/2006	8.29	421	254	24	17.0	0.0256	0.001	< 0.1
	5/12/2006	8.47	414	344	25	16.0	0.0277	0.001	< 0.1
	7/24/2006	8.20	358	190	18	4.0	0.0240	< 0.001	< 0.1
	9/15/2006	7.81	261	228	32	10.0	0.0210	< 0.001	< 0.1
	11/27/2006	6.37	372	230	21	14.0	0.0235	< 0.001	< 0.1
SW-1A	5/13/2004	7.15	751	521	132	40.2	0.1300	0.002	< 0.1
	11/9/2004	7.20	287	204	17	6.0	0.0164	< 0.001	0.4
	5/2/2005	6.80	265	205	13	2.0	0.0189	0.001	< 0.1
	11/8/2005	6.91	324	208	14	3.0	0.0181	< 0.001	0.4
	1/23/2006	6.24	315	198	14	2.0	0.0178	0.001	0.3
	3/28/2006	7.60	308	220	19	4.0	0.0165	< 0.001	0.2
	5/12/2006	8.53	321	320	17	3.0	0.0238	0.002	0.4
	7/24/2006	8.75	308	180	13	3.0	0.0202	< 0.001	< 0.1
	9/18/2006	7.69	297	218	25	3.0	0.0198	0.001	< 0.1
	11/27/2006	6.74	267	180	11	2.0	0.0188	< 0.001	< 0.1
WEIR 2	11/21/2005	6.27	424	280	21	18.0	0.0232	< 0.001	0.3
	1/19/2006	6.66	637	252	19	13.0	0.0218	0.001	0.3
	3/15/2006	7.82	432	252	21	17.0	0.0256	0.001	0.5
	5/12/2006	8.43	409	206	23	15.0	0.0265	< 0.001	< 0.1
	7/24/2006	8.60	373	204	16	4.0	0.0228	< 0.001	< 0.1
	9/18/2006	7.54	358	234	21	9.0	0.0241	< 0.001	< 0.1
	11/27/2006	6.92	362	234	27	14.0	0.0229	< 0.001	< 0.1

TABLE 3. SURFACE WATER MONITORING DATA (cont'd)

Sample Point Name	Date	Th230 (pCi/l)	Th230(e) (pCi/l)	Ra226 (pCi/l)	Ra226(e) (pCi/l)	Ra228 (pCi/l)	Ra228(e) (pCi/l)	Ra226+228 (pCi/l)	Alpha (pCi/l)	Alpha(e) (pCi/l)
POE-DS	11/21/2005	< 0.20	—	0.6	± 0.4	< 1.0	—	< 1.6	1.8	± 1.2
	1/23/2006	< 0.20	—	0.6	± 0.4	< 1.0	—	< 1.6	< 1.0	—
	3/20/2006	< 0.20	—	1.1	± 0.5	< 1.0	—	< 2.1	1.1	± 1.0
	5/12/2006	< 0.20	—	0.8	± 0.3	< 1.0	—	< 1.8	< 1.0	—
	7/24/2006	< 0.20	—	1.1	± 0.8	< 1.0	—	< 2.1	1.4	± 0.7
	9/15/2006	< 0.20	—	0.6	± 0.3	< 1.0	—	< 1.6	< 1.0	—
	11/27/2006	< 0.20	—	< 0.2	± 0.2	3.0	0.9	< 3.2	< 1.0	—
SC1	11/21/2005	< 0.20	—	0.5	± 0.3	< 1.0	—	< 1.5	< 1.0	—
	1/19/2006	< 0.20	—	0.6	± 0.3	< 1.0	—	< 1.6	< 1.0	—
	3/20/2006	< 0.20	—	< 0.2	± 0.2	< 1.0	—	< 1.2	< 1.0	—
	5/12/2006	< 0.20	—	0.5	± 0.3	< 1.0	—	< 1.5	< 1.0	—
	7/24/2006	< 0.20	—	1.2	± 0.5	< 1.0	—	< 2.2	1.6	± 0.7
	9/15/2006	< 0.20	—	< 0.2	± 0.2	< 1.0	—	< 1.2	1.0	± 0.5
	11/27/2006	< 0.20	—	< 0.2	± 0.2	2.6	0.9	< 2.8	< 1.0	—
SC2	11/8/2005	< 0.20	—	1.4	± 0.6	< 1.0	—	< 2.4	1.0	± 0.7
	1/19/2006	< 0.20	—	0.4	± 0.3	< 1.0	—	< 1.4	< 1.0	—
	3/15/2006	< 0.20	—	< 0.2	± 0.2	< 1.0	—	< 1.2	< 1.0	—
	5/12/2006	< 0.20	—	< 0.2	± 0.2	< 1.0	—	< 1.2	< 1.0	—
	7/24/2006	< 0.20	—	0.7	± 0.4	< 1.0	—	< 1.7	1.7	± 0.8
	9/15/2006	< 0.20	—	< 0.2	± 0.2	< 1.0	—	< 1.2	< 1.0	—
	11/27/2006	< 0.20	—	< 0.2	± 0.2	< 1.0	—	< 1.2	< 1.0	—
SW-1A	5/13/2004	< 0.20	—	< 0.2	—	< 1.0	—	< 1.2	< 1.0	—
	11/9/2004	< 0.20	—	< 0.2	—	1.3	± 1.2	< 1.5	< 1.0	—
	5/2/2005	< 0.20	—	1.2	± 0.6	1.3	± 1.1	2.5	< 1.0	—
	11/8/2005	< 0.20	—	0.8	± 0.4	1.6	± 0.9	2.4	< 1.0	—
	1/23/2006	< 0.20	—	0.5	± 0.4	< 1.0	—	< 1.5	< 1.0	—
	3/28/2006	< 1.00	—	0.6	± 0.3	< 1.0	—	< 1.6	< 1.0	—
	5/12/2006	< 0.20	—	< 0.2	± 0.2	< 1.0	—	< 1.2	< 1.0	—
	7/24/2006	< 0.20	—	< 0.2	± 0.2	< 1.0	—	< 1.2	< 1.0	—
	9/18/2006	< 0.20	—	< 0.2	± 0.2	< 1.0	—	< 1.2	< 1.0	—
WEIR 2	11/27/2006	< 0.20	—	< 0.2	± 0.2	< 1.0	—	< 1.2	< 1.0	—
	11/21/2005	< 0.20	—	0.6	± 0.3	< 1.0	—	< 1.6	1.0	± 1.0
	1/19/2006	< 0.20	—	0.5	± 0.3	< 1.0	—	< 1.5	1.2	± 0.7
	3/15/2006	< 0.20	—	< 0.2	± 0.2	< 1.0	—	< 1.2	< 1.0	—
	5/12/2006	< 0.20	—	< 0.2	± 0.2	< 1.0	—	< 1.2	< 1.0	—
	7/24/2006	< 0.20	—	< 0.2	± 0.2	< 1.0	—	< 1.2	1.5	± 0.7
	9/18/2006	< 0.20	—	0.9	± 0.4	< 1.0	—	< 1.9	< 1.0	—
	11/27/2006	< 0.20	—	< 0.2	± 0.2	< 1.0	—	< 1.2	< 1.0	—

TABLE 3. SURFACE WATER MONITORING DATA (cont'd)

Sample Point Name	Date	As (mg/l)	Ba (mg/l)	Be (mg/l)	Cd (mg/l)	Cr (mg/l)	Mo (mg/l)	Pb (mg/l)	Ni (mg/l)
POE-DS	11/21/2005	0.006	0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	1/23/2006	0.005	0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	3/20/2006	0.004	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	5/12/2006	0.004	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	7/24/2006	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	9/15/2006	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	11/27/2006	0.005	0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
SC1	11/21/2005	0.005	0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	1/19/2006	0.005	0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	3/20/2006	0.004	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	5/12/2006	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	7/24/2006	0.007	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	9/15/2006	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	11/27/2006	0.005	0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
SC2	11/8/2005	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	1/19/2006	0.005	0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	3/15/2006	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	5/12/2006	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	7/24/2006	0.006	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	9/15/2006	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	11/27/2006	0.005	0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
SW-1A	5/13/2004	0.003	0.09	< 0.001	< 0.001	< 0.001	0.004	< 0.001	0.003
	11/9/2004	0.004	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	5/2/2005	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	11/8/2005	0.004	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	1/23/2006	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	3/28/2006	0.004	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	—	< 0.050
	5/12/2006	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	7/24/2006	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	9/18/2006	0.004	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
WEIR 2	11/27/2006	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	11/21/2005	0.005	0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	1/19/2006	0.005	0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	3/15/2006	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	5/12/2006	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	7/24/2006	0.006	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	9/18/2006	0.005	< 0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050
	11/27/2006	0.005	0.10	< 0.010	< 0.010	< 0.050	< 0.100	< 0.050	< 0.050