

Appendix A

Well Completion Information and Conceptual Site Model

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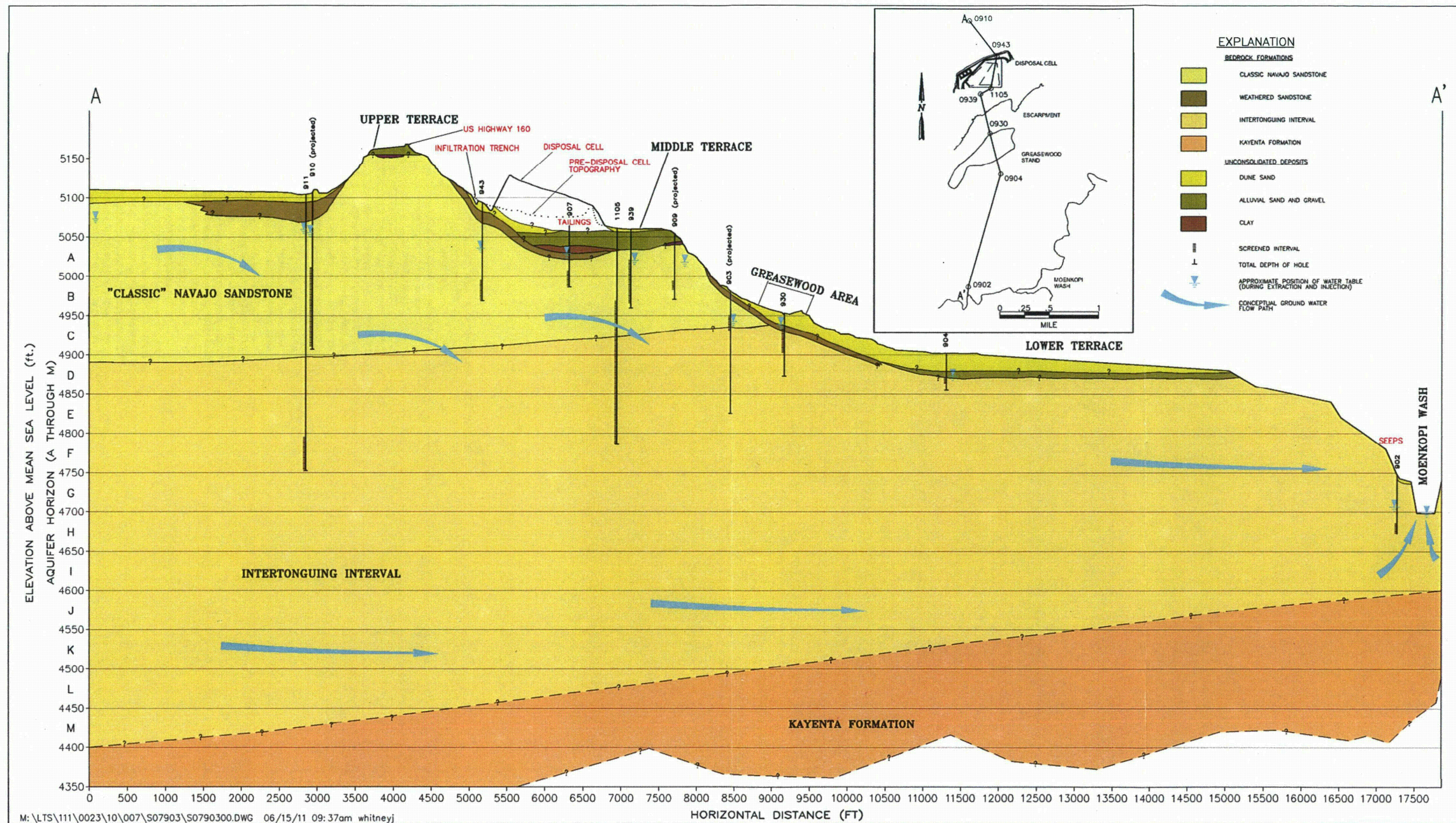
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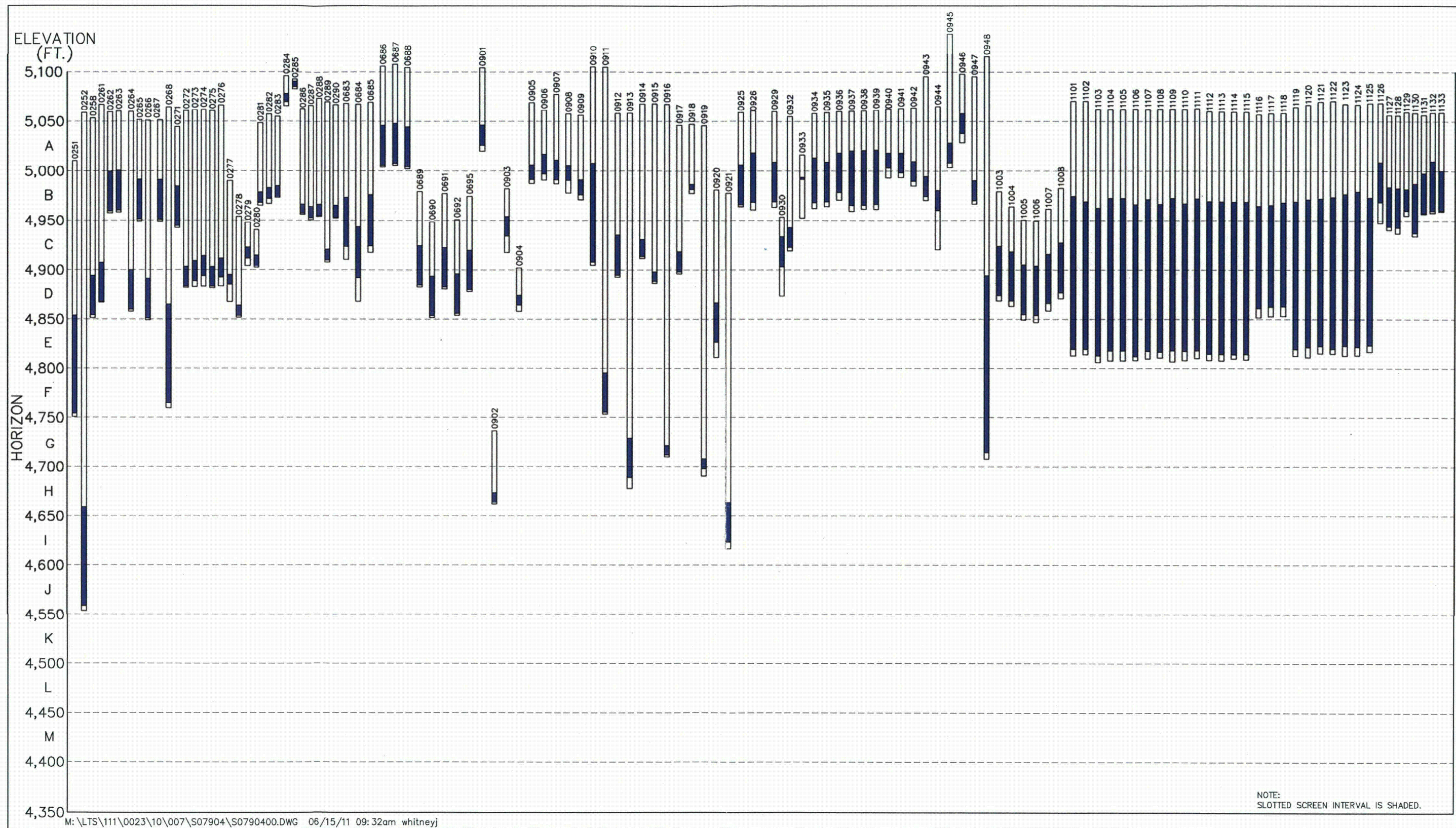


Figure A-2. Well Completions Schematic

Table A-1. Well Completion Information

Well	Type	Horizon	Top Of Screen Elev.	Mid Screen Elev.	Bottom of Screen Elev.	Top of Screen Depth	Mid Screen Depth	Bottom of Screen Depth	Screen Length	Sump Length	Well Depth	Top of Casing Elev.	Ground Elev.	Well Diameter	Boring Started	Decommission Date	State Plane East	State Plane North
0284	MW	A	5079.8	5074.8	5069.8	16.5	21.5	26.5	10.0	1.5	28.0	5098.72	5096.3	2	16-Aug-04		730525	1873562
0285	MW	A	5090.8	5088.3	5085.8	3.0	5.5	8.0	5.0	0.1	8.1	5096.47	5093.8	2	16-Aug-04		731629	1874042
0686	MW	A	5045.5	5025.5	5005.5	60.0	80.0	100.0	40.0	0.3	100.3	5107.97	5105.5	2	28-Mar-00		729978	1873416
0687	MW	A	5047.6	5027.6	5007.6	60.0	80.0	100.0	40.0	0.3	100.3	5109.82	5107.6	2	29-Mar-00		731152	1874024
0688	MW	A	5044.1	5024.1	5004.1	60.0	80.0	100.0	40.0	0.3	100.3	5106.98	5104.1	2	29-Mar-00		731961	1874385
0901	MW	A	5045.8	5035.8	5025.8	58.0	68.0	78.0	20.0	2.0	80.0	5105.46	5103.8	2	16-Oct-84		730185	1875918
0906	MW	A	5016.9	5006.9	4996.9	44.0	54.0	64.0	20.0	2.0	66.0	5062.10	5060.9	2	19-Nov-84		730838	1872181
0907	MW	A	5010.7	5000.7	4990.7	66.5	76.5	86.5	20.0			5079.17	5077.2	2	30-Nov-84	19-Apr-88	731252	1872920
0928	MW	A	5022.1	5009.6	4997.1	30.0	42.5	55.0	25.0	3.0	58.0	5053.99	5052.1	4	20-Oct-95	24-May-00	729401	1870814
0929	MW	A	5010.4	4990.4	4970.4	48.2	68.2	88.2	40.0			5060.82	5058.6	4			728780	1871453
0940	MW	A	5017.9	5010.4	5002.9	45.0	52.5	60.0	15.0	3.0	68.0	5064.77	5062.9	4	01-Nov-95		730130	1872391
0941	MW	A	5018.0	5008.0	4998.0	45.0	55.0	65.0	20.0	3.0	68.0	5065.97	5063.0	4	10-Nov-95		730908	1872398
0945	MW	A	5028.1	5018.1	5008.1	110.0	120.0	130.0	20.0	3.0	133.0	5140.49	5138.1	4	11-Oct-95		730019	1873857
0946	MW	A	5057.6	5047.6	5037.6	40.0	50.0	60.0	20.0	3.3	63.3	5100.50	5097.6	4	02-Nov-95		730547	1873582
0262	MW	B	4999.2	4979.2	4959.2	60.0	80.0	100.0	40.0	0.3	100.3	5061.99	5059.2	2	03-Apr-00		731402	1872012
0263	MW	B	5000.2	4980.2	4960.2	60.0	80.0	100.0	40.0	0.3	100.3	5063.10	5060.2	2	04-Apr-00		731565	1871757
0265	MW	B	4991.1	4971.1	4951.1	60.0	80.0	100.0	40.0	0.3	100.3	5053.88	5051.1	2	16-Apr-00		730382	1870964
0267	MW	B	4990.8	4970.8	4950.8	60.0	80.0	100.0	40.0	0.3	100.3	5053.40	5050.8	2	14-Apr-00		729329	1870707
0271	MW	B	4984.0	4964.0	4944.0	60.0	80.0	100.0	40.0	0.3	100.3	5046.72	5044.0	2	29-Apr-00		728160	1869555
0281	MW	B	4977.8	4972.8	4967.8	70.5	75.5	80.5	10.0	1.5	82.0	5051.00	5048.3	2	11-Aug-04		729714	1870315
0282	MW	B	4983.3	4978.3	4973.3	74.1	79.1	84.1	10.0	1.5	85.6	5060.04	5057.4	2	10-Aug-04		730062	1871168
0283	MW	B	4984.8	4979.8	4974.8	70.5	75.5	80.5	10.0	1.5	82.0	5057.97	5055.3	2	03-Aug-04		730901	1871185
0286	MW	B	4968.84	4963.8	4958.84	93.2	98.2	103.2	10.0	0.4	103.6	5063.99	5062.0	2	13-Mar-07		730128	1872377
0287	MW	B	4962.29	4957.3	4952.29	100.7	105.7	110.7	10.0	0.4	111.1	5065.65	5063.0	2	15-Mar-07		730908	1872386
0288	MW	B	4965.86	4960.9	4955.86	104.0	109.0	114.0	10.0	0.5	114.5	5072.54	5069.9	2	18-Mar-07		729995	1872709
0290	MW	B	4964.33	4959.3	4954.33	102.7	107.7	112.7	10.0	0.4	113.1	5068.91	5067.0	2	17-Mar-07		732633	1872979
0905	MW	B	5006.0	4998.5	4991.0	63.0	70.5	78.0	15.0	2.0	80.0	5072.80	5069.0	2	14-Nov-84	24-May-00	732933	1873200
0908	MW	B	5005.3	4997.8	4990.3	52.0	59.5	67.0	15.0	2.0	69.0	5058.14	5057.3	2	17-Nov-84		729366	1871999
0909	MW	B	4990.8	4983.3	4975.8	65.0	72.5	80.0	15.0	2.0	82.0	5057.17	5055.8	2	18-Nov-84		730927	1871393
0910	MW	B	5007.6	4957.6	4907.6	97.0	147.0	197.0	100.0	1.0	198.0	5106.70	5104.6	4	26-Jul-85		730219	1875840
0918	MW	B	4986.2	4983.7	4981.2	61.0	63.5	66.0	5.0	2.0	68.0	5049.63	5047.2	4	15-Aug-85		727294	1868724
0925	EXT	B	5005.8	4985.8	4965.8	53.0	73.0	93.0	40.0	0.5	93.5	5060.87	5058.8	6	21-Oct-95	24-May-00	729452	1872006
0926	EXT	B	5018.3	4993.3	4968.3	42.2	67.2	92.2	50.0	3.0	95.2	5062.85	5060.5	6	25-Oct-95	17-May-00	730790	1872126
0933	MW	B	4993.3	4992.3	4991.3	23.0	24.0	25.0	2.0			5018.03	5016.3	4	18-Oct-95	24-May-00	731727	1871341
0934	MW	B	5013.0	4990.5	4968.0	45.0	67.5	90.0	45.0	3.0	93.0	5059.73	5058.0	4	02-Nov-95		730018	1871649
0935	MW/EXT	B	5008.8	4988.8	4968.8	50.0	70.0	90.0	40.0	3.0	93.0	5061.50	5058.8	4	28-Oct-95	*	729461	1871978
0936	MW/EXT	B	5017.9	4997.9	4977.9	42.0	62.0	82.0	40.0	3.0	85.0	5062.30	5059.9	6	26-Oct-95	*	730055	1872121
0937	MW	B	5020.2	4992.7	4965.2	40.0	67.5	95.0	55.0	3.0	98.0	5062.80	5060.2	4	09-Nov-95	24-May-00	730790	1872116
0938	MW/EXT	B	5020.4	4992.9	4965.4	40.0	67.5	95.0	55.0	3.0	98.0	5063.64	5060.4	4	26-Oct-95	*	730769	1872124
0939	EXT	B	5021.1	4993.6	4966.1	40.0	67.5	95.0	55.0	3.0	98.0	5063.23	5061.1	6	23-Oct-95	16-May-00	731403	1872132
0942	MW/EXT	B	5009.5	4999.5	4989.5	54.0	64.0	74.0	20.0	3.0	77.0	5066.45	5063.5	4	03-Nov-95	*	731642	1872409

Table A-1 (continued). Well Completion Information

Well	Type	Horizon	Top Of Screen Elev.	Mid Screen Elev.	Bottom of Screen Elev.	Top of Screen Depth	Mid Screen Depth	Bottom of Screen Depth	Screen Length	Sump Length	Well Depth	Top of Casing Elev.		Ground Elev.		Well Diameter	Boring Started	Decommission Date	State Plane East	State Plane North
0943	MW	B	4994.1	4984.1	4974.1	101.0	111.0	121.0	20.0	3.0	124.0	5098.05		5095.1		4	13-Oct-95		731596	1874034
0944	MW	B	4979.9	4969.9	4959.9	85.0	95.0	105.0	20.0	2.0	107.0	5067.00		5064.9		4	04-Nov-95	28-Jul-99	732199	1873007
0947	MW	B	4990.0	4980.0	4970.0	105.0	115.0	125.0	20.0	3.3	128.3	5097.01		5095.0		4	03-Nov-95		732786	1874642
1126	EXT	B	4991.9	4971.9	4951.9	60.0	80.0	100.0	40.0	3.3	103.3	5051.9	**	5051.9	**	4	09-Sep-04		729517	1870728
1127	EXT	B	4984.2	4964.2	4944.2	72.7	92.7	112.7	40.0	3.3	116.0	5056.9	**	5056.9	**	4	11-Sep-04		730044	1871022
1128	EXT	B	4982.3	4962.3	4942.3	72.7	92.7	112.7	40.0	3.3	116.0	5055.0	**	5055.0	**	4	12-Sep-04		730679	1871294
1129	EXT	B	4990.9	4975.9	4960.9	68.2	83.2	98.2	30.0	3.3	101.5	5059.1	**	5059.1	**	4	30-Aug-04		731237	1871690
1130	EXT	B	4987.3	4962.3	4937.3	71.7	96.7	121.7	50.0	3.3	125.0	5059.0	**	5059.0	**	4	29-Jul-04		731699	1871907
1131	EXT	B	4998.1	4978.1	4958.1	59.7	79.7	99.7	40.0	3.3	103.0	5057.8	**	5057.8	**	4	08-Sep-04		732011	1872106
1132	EXT	B	5009.1	4984.1	4959.1	49.7	74.7	99.7	50.0	3.3	103.0	5058.8	**	5058.8	**	4	31-Aug-04		731310	1872015
1133	EXT	B	4999.4	4979.4	4959.4	59.7	79.7	99.7	40.0	3.3	103.0	5059.1	**	5059.1	**	4	02-Sep-04		730850	1871827
0274	MW	C	4913.6	4903.6	4893.6	149.0	159.0	169.0	20.0	1.5	170.5	5064.42		5062.6		2	30-Aug-04		731623	1872403
0276	MW	C	4910.0	4900.0	4890.0	154.5	164.5	174.5	20.0	1.5	176.0	5067.55		5064.5		2	01-Sep-04		732081	1873158
0279	MW	C	4922.1	4917.1	4912.1	26.5	31.5	36.5	10.0	1.5	38.0	4951.04		4948.6		2	15-Aug-04		731494	1870132
0280	MW	C	4922.6	4917.6	4912.6	26.5	31.5	36.5	10.0	1.5	38.0	4951.52		4949.1		2	15-Aug-04		731794	1870289
0289	MW	C	4920.3	4915.3	4910.3	148.3	153.3	158.3	10.0	0.4	163.0	5070.82		5068.6		6	28-Mar-07		729965	1872709
0683	MW	C	4973.2	4948.2	4923.2	95.0	120.0	145.0	50.0	3.0	148.0	5070.64		5068.2		6	31-Aug-99		732661	1872574
0684	MW	C	4943.1	4917.4	4891.8	124.2	149.9	175.5	51.3	2.5	178.0	5070.05		5067.3		6	20-Aug-99		732642	1873521
0685	MW	C	4975.6	4949.7	4923.8	93.7	119.6	145.5	51.8	2.5	148.0	5072.44		5069.3		6	19-Aug-99		732295	1873760
0689	MW	C	4923.9	4903.9	4883.9	55.0	75.0	95.0	40.0	0.3	95.3	4981.63		4978.9		2	31-Mar-00		730439	1869893
0691	MW	C	4921.9	4901.9	4881.9	55.0	75.0	95.0	40.0	0.3	95.3	4979.41		4976.9		2	30-Mar-00		732124	1870872
0903	MW	C	4953.5	4943.5	4933.5	28.0	38.0	48.0	20.0	2.0	50.0	4983.33		4981.5		2	30-Oct-84		731314	1870829
0912	MW	C	4934.7	4914.7	4894.7	123.0	143.0	163.0	40.0	2.0	165.0	5059.97		5057.7		4	12-Aug-85		729324	1871942
0914	MW	C	4930.3	4921.8	4913.3	137.2	145.7	154.2	17.0	2.0	156.2	5070.10		5067.5		4	16-Aug-85		732723	1872119
0917	MW	C	4917.8	4907.8	4897.8	128.0	138.0	148.0	20.0	2.0	150.0	5048.02		5045.8		4	14-Aug-85		727255	1868642
0930	MW	C	4933.0	4918.0	4903.0	20.0	35.0	50.0	30.0	3.0	53.0	4954.96		4953.0		4	23-Oct-95		731257	1870099
0932	MW	C	4942.3	4932.3	4922.3	112.5	122.5	132.5	20.0	2.7	135.2	5057.32		5054.8		4	29-Oct-95		730900	1871401
1008	INJ	C	4926.8	4901.6	4876.4	55.6	80.8	106.0	50.4	2.5	108.5	4980.52		4982.3		6	23-Jul-99		730410	1869916
1116	EXT	C	4964.1	4912.5	4861.0	92.4	143.9	195.5	103.1	2.5	198.0	5053.74		5056.5		6	08-Aug-99		730350	1871702
1117	EXT	C	4965.3	4913.7	4862.1	92.3	143.9	195.5	103.2	2.5	198.0	5054.95		5057.6		6	11-Aug-99		729981	1871688
1118	EXT	C	4967.9	4915.1	4862.3	89.9	142.7	195.5	105.6	2.5	198.0	5055.11		5057.8		6	12-Aug-99		729756	1871695
0258	MW	D	4894.0	4874.0	4854.0	159.0	179.0	199.0	40.0	0.3	199.3	5055.56		5053.0		2	13-Apr-00		732452	1871996
0261	MW	D	4907.0	4887.0	4867.0	160.0	180.0	200.0	40.0	0.3	200.3	5069.69		5067.0		2	01-Apr-00		732565	1871578
0264	MW	D	4899.6	4879.6	4859.6	160.0	180.0	200.0	40.0	0.3	200.3	5062.19		5059.6		2	03-Apr-00		731569	1871746
0266	MW	D	4890.6	4870.6	4850.6	160.0	180.0	200.0	40.0	0.3	200.3	5053.32		5050.6		2	15-Apr-00		730380	1870941
0272	MW	D	4902.8	4892.8	4882.8	159.1	169.1	179.1	20.0	1.5	180.6	5064.24		5061.9		2	28-Aug-04		730112	1872389
0273	MW	D	4909.4	4899.4	4889.4	153.0	163.0	173.0	20.0	1.5	174.5	5064.74		5062.4		2	29-Aug-04		730922	1872397
0275	MW	D	4903.0	4893.0	4883.0	158.2	168.2	178.2	20.0	1.5	179.7	5062.64		5061.2		2	01-Sep-04		732092	1872586
0277	MW	D	4884.0	4879.0	4874.0	95.7	100.7	105.7	10.0	1.5	107.2	4982.35		4979.7		2	12-Aug-04		731290	1870777
0278	MW	D	4862.9	4857.9	4852.9	90.5	95.5	100.5	10.0	1.5	102.0	4956.09		4953.4		2	14-Aug-04		731210	1870104

Table A-1 (continued). Well Completion Information

Well	Type	Horizon	Top Of Screen Elev.	Mid Screen Elev.	Bottom of Screen Elev.	Top of Screen Depth	Mid Screen Depth	Bottom of Screen Depth	Screen Length	Sump Length	Well Depth	Top of Casing Elev.	Ground Elev.	Well Diameter	Boring Started	Decommission Date	State Plane East	State Plane North
0690	MW	D	4893.3	4873.3	4853.3	55.0	75.0	95.0	40.0	0.3	95.3	4950.87	4948.3	2	30-Mar-00		731521	1870140
0692	MW	D	4895.6	4875.6	4855.6	55.0	75.0	95.0	40.0	0.3	95.3	4953.31	4950.6	2	05-Apr-00		731821	1870303
0695	MW	D	4919.3	4899.3	4879.3	55.0	75.0	95.0	40.0	0.3	95.3	4976.83	4974.3	2	06-Apr-00		732566	1870896
0904	MW	D	4873.8	4868.8	4863.8	28.0	33.0	38.0	10.0	2.0	40.0	4904.11	4901.8	2	07-Nov-84		731808	1868036
0915	MW	D	4897.8	4892.8	4887.8	170.0	175.0	180.0	10.0	2.0	182.0	5070.84	5067.8	4	24-Aug-85		732740	1872209
1003	INJ	D	4923.4	4898.4	4873.4	55.5	80.5	105.5	50.0	2.5	108.0	4976.58	4978.9	6	26-Jul-99		732101	1870898
1004	INJ	D	4918.1	4893.1	4868.1	45.5	70.5	95.5	50.0	2.5	98.0	4961.55	4963.6	6	27-Jul-99		731892	1870544
1005	INJ	D	4904.7	4879.7	4854.7	45.5	70.5	95.5	50.0	2.5	98.0	4947.83	4950.2	6	25-Jul-99		731496	1870168
1006	INJ	D	4903.7	4878.7	4853.7	45.7	70.7	95.7	50.0	2.5	98.2	4947.08	4949.5	6	24-Jul-99		731233	1869918
1007	INJ	D	4915.6	4890.5	4865.4	45.8	70.9	96.0	50.2	2.5	98.5	4958.56	4961.4	6	23-Jul-99		730770	1869861
1101	EXT	D	4974.2	4896.5	4818.9	96.1	173.8	251.5	155.4	2.5	254.0	5067.29	5070.4	6	24-Aug-99		732223	1872970
1102	EXT	D	4968.8	4893.8	4818.8	101.5	176.5	251.5	150.0	2.5	254.0	5066.76	5070.3	6	24-Aug-99		732225	1872670
1103	EXT	D	4962.3	4887.3	4812.3	100.0	175.0	250.0	150.0	2.5	252.5	5059.56	5062.3	6	30-Jul-99		731896	1872407
1104	EXT	D	4972.3	4894.8	4817.3	90.0	167.5	245.0	155.0	3.0	248.0	5059.57	5062.3	6	01-Aug-99		731527	1872404
1105	EXT	D	4972.1	4894.6	4817.1	90.0	167.5	245.0	155.0	3.0	248.0	5059.33	5062.1	6	02-Aug-99		731304	1872401
1106	EXT	D	4966.0	4888.7	4811.4	96.5	173.8	251.1	154.6	2.9	254.0	5059.73	5062.5	6	03-Aug-99		731081	1872400
1107	EXT	D	4971.2	4894.0	4816.8	91.1	168.3	245.5	154.4	2.5	248.0	5059.51	5062.3	6	03-Aug-99		730858	1872398
1108	EXT	D	4966.1	4891.1	4816.1	96.3	171.3	246.3	150.0	2.5	248.8	5059.62	5062.4	6	03-Aug-99		730634	1872396
1109	EXT	D	4972.1	4894.7	4817.3	90.3	167.7	245.1	154.8	2.9	248.0	5059.64	5062.4	6	04-Aug-99		730410	1872394
1110	EXT	D	4966.8	4891.8	4816.8	95.5	170.5	245.5	150.0	2.5	248.0	5059.47	5062.3	6	07-Aug-99		730187	1872392
1111	EXT	D	4971.9	4894.7	4817.5	90.7	167.9	245.1	154.4	2.5	247.6	5059.87	5062.6	6	06-Aug-99		729993	1872392
1112	EXT	D	4969.1	4891.6	4814.1	90.5	168.0	245.5	155.0	2.5	248.0	5057.08	5059.6	6	17-Aug-99		730494	1872064
1113	EXT	D	4968.7	4891.2	4813.7	90.5	168.0	245.5	155.0	2.5	248.0	5058.54	5059.2	6	17-Aug-99		730196	1872061
1114	EXT	D	4968.5	4891.0	4813.6	90.6	168.0	245.5	154.9	2.5	248.0	5056.25	5059.1	6	11-Aug-99		729896	1872057
1115	EXT	D	4968.6	4891.2	4813.7	90.5	168.0	245.5	155.0	2.5	248.0	5056.36	5059.2	6	07-Aug-99		729596	1872055
1119	EXT	D	4968.7	4893.7	4818.7	95.3	170.3	245.3	150.0	2.5	247.8	5061.19	5064.0	6	31-Jul-99		731894	1872667
1120	EXT	D	4971.0	4896.0	4821.0	95.5	170.5	245.5	150.0	2.5	248.0	5063.60	5066.5	6	28-Jul-99		731891	1872967
1121	EXT	D	4972.0	4897.0	4822.0	97.5	172.5	247.5	150.0	2.5	250.0	5066.61	5069.5	6	28-Jul-99		731889	1873267
1122	EXT	D	4973.4	4896.3	4819.2	96.9	174.0	251.1	154.2	2.9	254.0	5067.31	5070.3	6	26-Aug-99		732221	1873269
1123	EXT	D	4976.2	4899.2	4822.2	91.0	168.0	245.0	154.0	3.0	248.0	5064.54	5067.2	6	02-Sep-99		732508	1873222
1124	EXT	D	4978.7	4899.9	4821.1	87.9	166.7	245.5	157.6	2.5	248.0	5063.86	5066.6	6	23-Aug-99		732512	1872972
1125	EXT	D	4972.8	4897.8	4822.8	95.5	170.5	245.5	150.0	2.5	248.0	5065.47	5068.3	6	25-Aug-99		732515	1872671
0251	MW	E	4858.9	4808.9	4758.9	200.0	250.0	300.0	100.0	0.3	300.3	5061.25	5058.9	2	28-Apr-00		730215	1871999
0268	MW	E	4864.5	4814.5	4764.5	200.0	250.0	300.0	100.0	0.3	300.3	5067.24	5064.5	2	15-May-00		732301	1872430
0920	MW	E	4866.0	4846.0	4826.0	114.4	134.4	154.4	40.0	2.0	156.4	4982.97	4980.4	4	30-Jul-85		731262	1870737
0948	EXDS	E	4893.9	4803.9	4713.9	221.5	311.5	401.5	180.0	5.0	406.5	5117.80	5115.4	4	17-Oct-95		733915	1875516
0911	MW	F	4795.2	4775.2	4755.2	309.4	329.4	349.4	40.0	2.0	351.4	5106.96	5104.6	4	18-Jul-85		730265	1875920
0913	MW	G	4729.2	4709.2	4689.2	328.7	348.7	368.7	40.0	2.0	370.7	5060.16	5057.9	4	02-Aug-85		729327	1871871
0916	MW	G	4721.7	4716.7	4711.7	345.7	350.7	355.7	10.0	2.0	357.7	5070.00	5067.4	4	22-Aug-85		732811	1872146
0919	MW	G	4707.9	4702.9	4697.9	337.7	342.7	347.7	10.0	2.0	349.7	5048.56	5045.6	4	26-Aug-85		727353	1868654
0902	MW	H	4673.7	4668.7	4663.7	63.0	68.0	73.0	10.0	2.0	75.0	4737.42	4736.7	2	02-Dec-84		730179	1862292

Table A-1 (continued). Well Completion Information

Well	Type	Horizon	Top Of Screen Elev.	Mid Screen Elev.	Bottom of Screen Elev.	Top of Screen Depth	Mid Screen Depth	Bottom of Screen Depth	Screen Length	Sump Length	Well Depth	Top of Casing Elev.		Ground Elev.		Well Diameter	Boring Started	Decommission Date	State Plane East	State Plane North
0252	MW	I	4658.9	4608.9	4558.9	400.0	450.0	500.0	100.0	0.4	500.4	5061.30		5058.9		4	26-Apr-00		730232	1871993
0254	MW	I	4662.7	4612.7	4562.7	400.0	450.0	500.0	100.0	0.4	500.4	5065.38		5062.7		4	03-May-00	13-Aug-05	730951	1872411
0256	MW	I	4664.0	4614.0	4564.0	400.0	450.0	500.0	100.0	0.4	500.4	5066.58		5064.0		4	13-May-00	14-Aug-05	732277	1872437
0921	MW	I	4663.7	4643.7	4623.7	313.2	333.2	353.2	40.0	2.0	355.2	4979.08		4976.9		4	22-Jul-85		731379	1870742
0253	MW	M	4458.8	4408.8	4358.8	600.0	650.0	700.0	100.0	0.4	700.4	5061.11		5058.8		4	18-Apr-00	11-Apr-01	730213	1871974
0255	MW	M	4462.3	4412.3	4362.3	600.0	650.0	700.0	100.0	0.4	700.4	5064.89		5062.3		4	01-May-00	12-Aug-05	730947	1872387
0257	MW	M	4463.4	4413.4	4363.4	600.0	650.0	700.0	100.0	0.4	700.4	5066.40		5063.4		4	11-May-00	11-Aug-05	732278	1872414
0968	EXDS	NA	5000.4	4699.9	4399.4	106.0	406.5	707.0	601.0	0.0	707.0	5107.00		5106.4		10	1-Feb-55		730180	1875689
0970	EXDS	NA	5007.7	4705.2	4402.7	100.0	402.5	705.0	605.0	0.0	705.0	5109.53		5107.7		10	1-Sep-55		730653	1876567
0971	EXDS	NA	4985.3	4693.8	4402.3	117.0	408.5	700.0	583.0	0.0	700.0	5104.00		5102.3		10	1-Nov-55		731590	1878306
0972	EXDS	NA	5039.7	4724.7	4409.7	100.0	415.0	730.0	630.0	0.0	730.0	5141.07		5139.7		10	1-Jun-56		728031	1877986

All dimensions in feet except well diameter in inches.

All depths are relative to ground surface.

* = Converted to extraction well in August 2005.

MW = monitoring well.

EXT = Groundwater remediation extraction well.

INJ = Groundwater remediation injection well.

EXDS = Extraction well domestic supply, completed in Navajo Sandstone. Four wells, previously owned by Rare Metals—0968, 0970, 0971, and 0972 (sampled in 1982 and 1985 only)—are located north of the site, near upgradient monitoring wells 0901, 0910, and 0911.

Well 0948 (single sampling in 1995), located about 1,500 ft east of the site, is used to supply the Tuba City site treatment facility with domestic non-potable water. Water levels are still measured annually at wells 0948, 0968, and 0970.

** = Approximate.

Appendix B

Groundwater Sample Results for Contaminants of Concern: August 2010, February 2011, and the Baseline Period

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Table B-1. Baseline, July 2010, and February 2011 Molybdenum Concentrations

Well Number	Horizon	Baseline Molybdenum Concentration (mg/L)	Year Sampled, Baseline	July 2010 Molybdenum Concentration (mg/L)	February 2011 Molybdenum Concentration (mg/L)
0686	A	0.0015U	2002	0.00054	
0687	A	0.0113	2002	0.0026	
0688	A	0.0015U	2002	0.0033	
0901	A	0.00078	2001	0.00054	
0906	A	0.0137	2002	0.0017	0.00394
0929	A	0.0015U	2002	0.00032	0.000451BU
0940	A	0.0015U	2002	0.0036	0.00133BU*
0941	A	0.0284	2002	0.013	0.0144
0945	A	0.0015U	2002	0.00063	
0946	A			0.00049	
0262	B	0.432	2001	1.1	0.951
0263	B	0.192	2001	0.016	0.0335
0265	B	0.00046	2001	0.000047B	0.000518B
0267	B	0.0015U	2002	0.00011	0.000455B
0271	B	0.0015U	2002	0.00031	
0281	B			0.00095*	0.00083B
0282	B			0.0005	0.000435B
0286	B			0.00076	0.000645B*
0287	B			0.097	0.122
0288	B			0.000082B	0.000301B
0290	B			0.00033	0.000542BU
0908	B	0.0015U	2002	0.00039	0.000427BU*
0909	B	0.0015U	2002	0.00026*	Dry
0910	B			0.00049	
0934	B	0.0015U	2002	0.00014B	0.000619BU
0935	B	0.0015U	2002	0.000064U	0.000165U
0936	B	0.0015U	2002	0.0013	0.223
0938	B	0.001U	1999	0.011	0.00623
0942	B	0.021	2002	0.011	0.00721
0943	B	0.0015U	2002	0.00079	
0947	B	0.0015U	2002	0.00044	
1129	B			0.75	
1130	B			0.049	
1132	B			1.8	
1133	B			0.013	
0274	C			0.00042	0.000651B
0276	C			0.00048	0.00204BU
0279	C			0.00063	
0280	C			0.00051	
0289	C			0.00032	0.00112BU
0683	C	0.0015U	2002	0.0005	
0684	C	0.0015U	2002	0.00047	
0685	C	0.0015U	2002	0.0004	
0689	C	0.0015U	2002	0.00044	
0691	C	0.0015U	2002	0.000056B	0.000311BU
0903	C	0.0015U	2002	0.00029	
0912	C	0.0003U	2001	0.00016	
0914	C	0.00081	2001	0.00084	
0917	C	0.0013	2001		
0930	C	0.0015U	2002	0.00022	0.000277BU

Table B-1 (continued). Baseline, July 2010, and February 2011 Molybdenum Concentrations

Well Number	Horizon	Baseline Molybdenum Concentration (mg/L)	Year Sampled, Baseline	July 2010 Molybdenum Concentration (mg/L)	February 2011 Molybdenum Concentration (mg/L)
0932	C	0.0018U	2002	0.00044	0.00186BU
1008	C	0.0015U	2002		
1116	C	0.0015U	2002	0.00012	
1117	C	0.0015U	2002	0.00013	
1118	C	0.00063	2000	0.00044	
0258	D	0.0026	2001	0.00044	0.00112B
0261	D	0.0031	2001	0.00046	
0264	D	0.00058	2001	0.00039	0.000931B
0266	D			0.00035	0.000564B
0272	D			0.00025	0.00205BU
0273	D			0.03	0.0266
0275	D			0.0003B	0.000407B
0277	D			0.0002	
0278	D	0.0015U	2002	0.00036	
0690	D	0.0015U	2002	0.00025	
0692	D	0.0015U	2002	0.000078B	
0695	D	0.00077	2001	0.00065	
0904	D	0.00054	2001	0.00062	
0915	D	0.0004U	2000	0.00056	
1003	D	0.0004U	2000	0.00017	
1004	D	0.0004U	2000	0.00038	
1005	D	0.0004U	2000		
1006	D	0.0015U	2002	0.00036	
1007	D	0.0015U	2002	0.00028	
1101	D	0.0015U	2002	0.00048B	
1102	D	0.0916	2002	0.00016U	
1103	D	2.96	2002	0.0039	
1104	D	1.26	2002	0.042	
1105	D	0.16	2002	0.89	
1106	D	0.0015U	2002	0.088	
1107	D	0.0015U	2002	0.065	
1108	D	0.0015U	2002	0.00096	
1109	D	0.0015U	2002	0.00084	
1110	D	0.0015U	2002	0.0002	
1111	D	0.0015U	2002	0.000064U	
1112	D	0.0027	2002	0.00023	
1113	D	0.0015U	2002	0.00016	
1114	D	0.0053	2002	0.0071	
1115	D	0.0815	2002	0.00016	
1119	D	0.105	2002	0.0064	
1120	D	0.0003U	2001	0.026	
1121	D	0.00081	2001	0.022	
1122	D	0.0015U	2002	0.0011	
1123	D	0.0015U	2002	0.00016U	
1124	D	0.0015U	2002	0.00017B	
1125	D	0.0015U	2002	0.00042	
0251	E	0.0015U	2002	0.00022	0.00126B
0268	E	0.0015U	2002	0.00027	0.000481B
0920	E	0.0003U	2001	0.0003	
0911	F			0.00023	
0913	G	0.0003U	2001	0.00014	

Table B-1 (continued). Baseline, July 2010, and February 2011 Molybdenum Concentrations

Well Number	Horizon	Baseline Molybdenum Concentration (mg/L)	Year Sampled, Baseline	July 2010 Molybdenum Concentration (mg/L)	February 2011 Molybdenum Concentration (mg/L)
0916	G	0.00096	2001	0.00097	
0252	I	0.0015U	2002	0.00016	0.000822B
0921	I	0.0003U	2001	0.00022	

B = Result between instrument detection limit and contract required detection limit.

U = Analytical result below detection limit.

Values in red exceed the corresponding groundwater remediation target for molybdenum, 0.1 mg/L (see Table 1 of main report). Well numbers with groundwater concentrations greater than the remediation target during this reporting period are also listed in red.

* Denotes filtered sample. Samples are generally not filtered (as reflected above), except in cases when turbidity is greater than 10 Nephelometric Turbidity Units (NTUs).

Table B-2. Baseline, July 2010, and February 2011 Nitrate Concentrations (as NO₃)

Well Number	Horizon	Baseline Nitrate Concentration (mg/L)	Year Sampled, Baseline	July 2010 Nitrate Concentration (mg/L)	February 2011 Nitrate Concentration (mg/L)
0686	A	32.2	2002	8.4	
0687	A	60.6	2002	7.5	
0688	A	35.1	2002	30	
0901	A	13	2001	15	
0906	A	1470	2002	1550	1520
0929	A	69.5	2002	66	76.1
0940	A	1800	2002	2120	2200 *
0941	A	358	2002	1110	1060
0945	A	12.7	2002	22	
0946	A			10	
0262	B	380	2001	841	841
0263	B	1140	2001	1020	996
0265	B	720	2001	708	717
0267	B	1640	2002	1370	1410
0271	B	15.6	2002	15	
0281	B			170 *	158
0282	B			150	173
0286	B			664	779 *
0287	B			1200	1170
0288	B			240	281
0290	B			75	125
0908	B	651	2002	841	1040 *
0909	B	485	2002	708 *	Dry
0910	B			14	
0934	B	2320	2002	1730	1730
0935	B	525	2002	1060	1250
0936	B	2950	2002	885	801
0938	B	1450	1999	1590	1520
0942	B	1360	2002	974	810
0943	B	22.1	2002	10	
0947	B	12.5	2002	14	
1129	B			487	
1130	B			443	
1132	B			1200	
1133	B			150	
0274	C			14	14.3
0276	C			14	14.6
0279	C			44	
0280	C			12	
0289	C			230	114
0683	C	14.1	2002	15	
0684	C	13.9	2002	15	
0685	C	14.3	2002	14	
0689	C	14.3	2002	11	
0691	C	298	2002	270	277
0903	C	54.8	2002	49	
0912	C	403	2001	270	
0914	C	13	2001	12	
0917	C	15.7	2001		
0930	C	50.9	2002	58	65.5

Table B-2 (continued). Baseline, July 2010, and February 2011 Nitrate Concentrations (as NO₃)

Well Number	Horizon	Baseline Nitrate Concentration (mg/L)	Year Sampled, Baseline	July 2010 Nitrate Concentration (mg/L)	February 2011 Nitrate Concentration (mg/L)
0932	C	25.3	2002		
1008	C	106	2002		
1116	C	225	2002	230	
1117	C	164	2002	430	
1118	C	15	2000	664	
0258	D	14	2001	15	14.7
0261	D	24.3	2001	15	
0264	D	14	2001	41	43.6
0266	D			14	14.4
0272	D			16	16.6
0273	D			270	239
0275	D			1150	1110
0277	D			13	
0278	D	12.5	2002	13	
0690	D	12.5	2002	10	
0692	D	25.4	2002	13	
0695	D	5.13	2001	23	
0904	D	14.1	2001	6.6	
0915	D	176	2000	14	
1003	D	49.1	2000	270	
1004	D	14.5	2000	39	
1005	D	14.1	2000		
1006	D	15.3	2000	14	
1007	D	438	2002	14	
1101	D	650	2002	310	
1102	D	1120	2002	487	
1103	D	993	2002	1060	
1104	D	648	2002	487	
1105	D	614	2002	885	
1106	D	1060	2002	310	
1107	D	1410	2002	1020	
1108	D	798	2002	664	
1109	D	227	2002	443	
1110	D	421	2002	210	
1111	D	617	2002	708	
1112	D	143	2002	170	
1113	D	228	2002	120	
1114	D	766	2002	350	
1115	D	468	2002	350	
1119	D	493	2002	708	
1120	D	573	2002	170	
1121	D	403	2001	58	
1122	D	954	2002	190	
1123	D	643	2002	120	
1124	D	781	2002	576	
1125	D	104	2002	31	
0251	E	426	2002	20	14.5
0268	E	15.4	2002	75	83.2
0920	E	14.8	2001	15	
0911	F			14	
0913	G	12.4	2001	13	

Table B-2 (continued). Baseline, July 2010, and February 2011 Nitrate Concentrations as (NO₃)

Well Number	Horizon	Baseline Nitrate Concentration (mg/L)	Year Sampled, Baseline	July 2010 Nitrate Concentration (mg/L)	February 2011 Nitrate Concentration (mg/L)
0916	G	11.6	2001	9.3	
0252	I	15.3	2002	10	10.3
0921	I	11	2001	11	

Values in red exceed the corresponding groundwater remediation target for nitrate (as NO₃), 44 mg/L (see Table 1 of main report). Well numbers with groundwater concentrations greater than the remediation target during this reporting period are also listed in red.

* Denotes filtered sample. Samples are generally not filtered (as reflected above), except in cases when turbidity is greater than 10 NTUs.

Table B-3. Baseline, July 2010, and February 2011 Selenium Concentrations

Well Number	Horizon	Baseline Selenium Concentration (mg/L)	Year Sampled, Baseline	July 2010 Selenium Concentration (mg/L)	February 2011 Selenium Concentration (mg/L)
0686	A	0.0088	2002	0.001	
0687	A	0.0145	2002	0.00047	
0688	A	0.0033	2002	0.0091	
0901	A	0.0024	2001	0.0031	
0906	A	0.0335	2002	0.022	0.0205
0929	A	0.0028	2002	0.0023	0.00241B
0940	A	0.105	2002	0.072	0.0897 *
0941	A	0.0348	2002	0.099	0.117
0945	A	0.0035	2002	0.0027	
0946	A			0.00063	
0262	B	0.0621	2001	0.091	0.0817
0263	B	0.0632	2001	0.043	0.0461
0265	B	0.0071	2001	0.0072	0.00605
0267	B	0.0532	2002	0.058	0.0626
0271	B	0.0016	2002	0.0015	
0281	B			0.0022 *	0.00183B
0282	B			0.0015	0.00171B
0286	B			0.019	0.0257 *
0287	B			0.12	0.119
0288	B			0.0029	0.00242B
0290	B			0.0025	0.00323B
0908	B	0.0163	2002	0.029	0.0283 *
0909	B	0.0224	2002	0.054 *	Dry
0910	B			0.0014	
0934	B	0.0116	2002	0.012	0.00974
0935	B	0.0195	2002	0.019	0.0131
0936	B	0.0869	2002	0.017	0.0315
0938	B	0.0432	1999	0.051	0.0719
0942	B	0.0348	2002	0.045	0.086
0943	B	0.0021	2002	0.00035	
0947	B	0.0019	2002	0.0018	
1129	B			0.065	
1130	B			0.017	
1132	B			0.14	
1133	B			0.014	
0274	C			0.0014	0.0015U
0276	C			0.0017	0.00202B
0279	C			0.0023	
0280	C			0.0019	
0289	C			0.0036	0.00222B
0683	C	0.0022	2002	0.0018	
0684	C	0.0019	2002	0.0016	
0685	C	0.0017	2002	0.0016	
0689	C	0.0014	2002	0.0013	
0691	C	0.0046	2002	0.0041	0.00287B
0903	C	0.0023	2002	0.0019	
0912	C	0.0137	2001	0.0076	
0914	C	0.0016	2001	0.0012	
0917	C	0.002	2002		
0930	C	0.0019	2002	0.0019	0.0026B

Table B-3 (continued). Baseline, July 2010, and February 2011 Selenium Concentrations

Well Number	Horizon	Baseline Selenium Concentration (mg/L)	Year Sampled, Baseline	July 2010 Selenium Concentration (mg/L)	February 2011 Selenium Concentration (mg/L)
0932	C	0.0018	2002	0.0015	0.00162B
1008	C	0.0028	2002		
1116	C	0.0028	2002	0.0036	
1117	C	0.0018	2000	0.011	
1118	C	0.0021	2001	0.02	
0258	D	0.0018	2001	0.0017	0.0015U
0261	D	0.0013	2001	0.0017	
0264	D			0.0018	0.00151B
0266	D			0.0011	0.0015U
0272	D			0.0012	0.0015U
0273	D			0.024	0.017
0275	D			0.031	0.0338
0277	D	0.0014	2002	0.0014	
0278	D	0.0022	2002	0.0013	
0690	D	0.0019	2002	0.0013	
0692	D	0.0131	2001	0.0015	
0695	D	0.0019	2001	0.002	
0904	D	0.003	2000	0.013	
0915	D	0.0021	2000	0.0017	
1003	D	0.0013	2000	0.0036	
1004	D	0.0013	2000	0.0017	
1005	D	0.0188	2002		
1006	D	0.0121	2002	0.0012	
1007	D	0.0613	2002	0.0013	
1101	D	0.0344	2002	0.02	
1102	D	0.0871	2002	0.022	
1103	D	0.0925	2002	0.036	
1104	D	0.0903	2002	0.028	
1105	D	0.0704	2002	0.066	
1106	D	0.0372	2002	0.025	
1107	D	0.0081	2002	0.068	
1108	D	0.0172	2002	0.038	
1109	D	0.0154	2002	0.018	
1110	D	0.0025	2002	0.0073	
1111	D	0.0035	2002	0.016	
1112	D	0.0362	2002	0.0047	
1113	D	0.029	2002	0.0027	
1114	D	0.0563	2002	0.011	
1115	D	0.0455	2002	0.014	
1119	D	0.0137	2001	0.03	
1120	D	0.0016	2001	0.017	
1121	D	0.002	2002	0.0041	
1122	D	0.0558	2002	0.025	
1123	D	0.0449	2002	0.017	
1124	D	0.0186	2002	0.03	
1125	D	0.0025	2002	0.002	
0251	E	0.0035	2002	0.00091	0.0015U
0268	E	0.0018	2002	0.0018	0.00197B
0920	E	0.0014	2001	0.0013	
0911	F			0.001	
0913	G	0.00063	2001	0.00084	
0916	G	0.001	2001	0.00086	

Table B-3 (continued). Baseline, July 2010, and February 2011 Selenium Concentrations

Well Number	Horizon	Baseline Selenium Concentration (mg/L)	Year Sampled, Baseline	July 2010 Selenium Concentration (mg/L)	February 2011 Selenium Concentration (mg/L)
0252	I	0.00092	2002	0.00071	0.0015U
0921	I	0.00091	2001	0.00096	

B = Result between instrument detection limit and contract required detection limit.

U = Analytical result below detection limit.

Values in red exceed the corresponding groundwater remediation target for selenium, 0.01 mg/L (see Table 1 of main report). Well numbers with groundwater concentrations greater than the remediation target during this reporting period are also listed in red.

* Denotes filtered sample. Samples are generally not filtered (as reflected above), except in cases when turbidity is greater than 10 NTUs.

Table B-4. Baseline, July 2010, and February 2011 Sulfate Concentrations

Well Number	Horizon	Baseline Sulfate Concentration (mg/L)	Year Sampled, Baseline	July 2010 Sulfate Concentration (mg/L)	February 2011 Sulfate Concentration (mg/L)
0686	A	98.6	2002	33	
0687	A	329	2002	17	
0688	A	40	2002	170	
0901	A	26.2	2001	39	
0906	A	1660	2002	1800	1650
0929	A	28.1	2002	25	26.8
0940	A	7550	2002	9000	8060 *
0941	A	745	2002	1300	1370
0945	A	32.1	2002	26	
0946	A			25	
0262	B	931	2001	2000	1860
0263	B	1990	2001	3000	2760
0265	B	1520	2001	1200	1150
0267	B	3680	2002	3500	3240
0271	B	16.4	2002	15	
0281	B			150 *	138
0282	B			67	74.9
0286	B			1500	2290 *
0287	B			1500	1540
0288	B			280	308
0290	B			71	126
0908	B	2430	2002	2800	2940 *
0909	B	666	2002	850 *	Dry
0910	B			15	
0934	B	7360	2002	3000	2880
0935	B	2690	2002	2500	2360
0936	B	4360	2002	710	1130
0938	B	2120	1999	2800	2710
0942	B	3030	2002	2900	3220
0943	B	29	2002	26	
0947	B	18.7	2002	17	
1129	B			920	
1130	B			870	
1132	B			2600	
1133	B			180	
0274	C			15	15.3
0276	C			18	17.4
0279	C			65	
0280	C			21	
0289	C			300	125
0683	C	21.6	2002	18	
0684	C	18	2002	17	
0685	C	26.2	2002	16	
0689	C	13.7	2002	16	
0691	C	587	2002	500	505
0903	C	76.5	2002	62	
0912	C	846	2001	480	
0914	C	15.6	2001	13	
0917	C	59.8	2002		
0930	C	30.2	2002	60	72.2

Table B-4 (continued). Baseline, July 2010, and February 2011 Sulfate Concentrations

Well Number	Horizon	Baseline Sulfate Concentration (mg/L)	Year Sampled, Baseline	July 2010 Sulfate Concentration (mg/L)	February 2011 Sulfate Concentration (mg/L)
0932	C	176	2002	28	38.2
1008	C	255	2002		
1116	C	163	2002	320	
1117	C	17.4	2000	730	
1118	C	18.2	2001	1600	
0258	D	37.7	2001	18	18.1
0261	D	10.9	2001	18	
0264	D			64	68.7
0266	D			11	10.8
0272	D			12	12
0273	D			310	176
0275	D			2400	2260
0277	D	13.8	2002	17	
0278	D	20.8	2002	13	
0690	D	50.4	2002	13	
0692	D	96.5	2001	16	
0695	D	17.8	2001	45	
0904	D	302	2000	100	
0915	D	66.2	2000	18	
1003	D	12.2	2000	480	
1004	D	11.7	2000	56	
1005	D	960	2002	13	
1006	D	1320	2002	13	
1007	D	2570	2002	1200	
1101	D	1870	2002	45	
1102	D	1590	2002	1300	
1103	D	1050	2002	2200	
1104	D	1200	2002	1200	
1105	D	3400	2002	2100	
1106	D	3280	2002	610	
1107	D	512	2002	1600	
1108	D	988	2002	1900	
1109	D	1140	2002	1500	
1110	D	136	2002	510	
1111	D	328	2002	1900	
1112	D	1930	2002	240	
1113	D	1560	2002	110	
1114	D	2330	2002	740	
1115	D	2590	2002	880	
1119	D	846	2001	1900	
1120	D	15.6	2001	1700	
1121	D	59.8	2002	1600	
1122	D	2960	2002	1800	
1123	D	1240	2002	2500	
1124	D	1170	2002	1700	
1125	D	165	2002	42	
0251	E	617	2002	15	11.5
0268	E	17.4	2002	120	122
0920	E	12.7	2001	13	
0911	F			9.6	
0913	G	8.43	2001	8.4	

Table B-4 (continued). Baseline, July 2010, and February 2011 Sulfate Concentrations

Well Number	Horizon	Baseline Sulfate Concentration (mg/L)	Year Sampled, Baseline	July 2010 Sulfate Concentration (mg/L)	February 2011 Sulfate Concentration (mg/L)
0916	G	13.5	2001	9.2	
0252	I	19.2	2002	7.1	6.62
0921	I	8.52	2001	8.7	

Values in red exceed the corresponding groundwater remediation target for sulfate, 250 mg/L (see Table 1 of main report). Well numbers with groundwater concentrations greater than the remediation target during this reporting period are also listed in red.

* Denotes filtered sample. Samples are generally not filtered (as reflected above), except in cases when turbidity is greater than 10 NTUs.

Table B-5. Baseline, July 2010, and February 2011 Uranium Concentrations

Well Number	Horizon	Baseline Uranium Concentration (mg/L)	Year Sampled, Baseline	July 2010 Uranium Concentration (mg/L)	February 2011 Uranium Concentration (mg/L)
0686	A	0.0021	2002	0.00027	
0687	A	0.0208	2002	0.0002	
0688	A	0.002	2002	0.0031	
0901	A	0.0026	2001	0.0033	
0906	A	0.951	2002	0.81	0.687
0929	A	0.0012	2002	0.0015	0.00146
0940	A	0.546	2002	0.42	0.401 *
0941	A	0.0886	2002	0.19	0.206
0945	A	0.0031	2002	0.0013	
0946	A			0.00011	
0262	B	0.379	2001	1	0.738
0263	B	0.485	2001	0.15	0.14
0265	B	0.0897	2001	0.064	0.0606
0267	B	0.0731	2002	0.072	0.0699
0271	B	0.0014	2002	0.0014	
0281	B			0.0074 *	0.00705
0282	B			0.0041	0.00424
0286	B			0.15	0.481 *
0287	B			0.23	0.233
0288	B			0.012	0.0138
0290	B			0.0022	0.00368
0908	B	0.122	2002	0.088	0.0815 *
0909	B	0.0389	2002	0.054 *	Dry
0910	B			0.0012	
0934	B	0.312	2002	0.18	0.166
0935	B	0.0868	2002	0.12	0.139
0936	B	0.267	2002	0.13	0.32
0938	B	0.21	1999	0.45	0.406
0942	B	0.246	2002	0.53	0.595
0943	B	0.0049	2002	0.0087	
0947	B	0.0024	2002	0.0012	
1129	B			0.72	
1130	B			0.14	
1132	B			2.3	
1133	B			0.066	
0274	C			0.0016	0.00163
0276	C			0.0015	0.00179
0279	C			0.0019	
0280	C			0.0016	
0289	C			0.02	0.0123
0683	C	0.0012	2002	0.0013	
0684	C	0.0019	2002	0.0015	
0685	C	0.0012	2002	0.0013	
0689	C	0.0011	2002	0.0014	
0691	C	0.0657	2002	0.05	0.0509
0903	C	0.0022	2002	0.002	
0912	C	0.0342	2001	0.024	
0914	C	0.0013	2001	0.000006B	
0917	C	0.0023	2002		
0930	C	0.0016	2002	0.0031	0.00293

Table B-5 (continued). Baseline, July 2010, and February 2011 Uranium Concentrations

Well Number	Horizon	Baseline Uranium Concentration (mg/L)	Year Sampled, Baseline	July 2010 Uranium Concentration (mg/L)	February 2011 Uranium Concentration (mg/L)
0932	C	0.0081	2002	0.0016	0.00329
1008	C	0.0151	2002		
1116	C	0.0098	2002	0.021	
1117	C	0.0018	2000	0.031	
1118	C	0.0018	2001	0.082	
0258	D	0.0033	2001	0.0013	0.00132
0261	D	0.0019	2001	0.0013	
0264	D			0.0033	0.00344
0266	D			0.0018	0.00158
0272	D			0.0014	0.00193
0273	D			0.086	0.0377
0275	D			0.47	0.429
0277	D	0.0018	2002	0.0027	
0278	D	0.0015	2002	0.0013	
0690	D	0.002	2002	0.0017	
0692	D	0.0044	2001	0.0019	
0695	D	0.0017	2001	0.0023	
0904	D	0.0205	2000	0.0043	
0915	D	0.0053	2000	0.000009B	
1003	D	0.0014	2000	0.038	
1004	D	0.0012	2000	0.0064	
1005	D	0.245	2002	0.0013	
1006	D	0.533	2002	0.0014	
1007	D	0.355	2002	0.24	
1101	D	0.194	2002	0.39	
1102	D	2.1	2002	0.47	
1103	D	2.1	2002	0.65	
1104	D	0.118	2002	2	
1105	D	0.646	2002	0.65	
1106	D	0.565	2002	0.23	
1107	D	0.0528	2002	0.57	
1108	D	0.161	2002	0.35	
1109	D	0.13	2002	0.087	
1110	D	0.0149	2002	0.26	
1111	D	0.0277	2002	0.05	
1112	D	0.41	2002	0.015	
1113	D	0.555	2002	0.082	
1114	D	1.3	2002	0.098	
1115	D	0.857	2002	0.37	
1119	D	0.0342	2001	0.15	
1120	D	0.0013	2001	0.083	
1121	D	0.0023	2002	0.22	
1122	D	0.878	2002	0.0064	
1123	D	0.261	2002	0.32	
1124	D	0.171	2002	0.3	
1125	D	0.0176	2002	0.0047	
0251	E	0.0481	2002	0.0018	0.00162
0268	E	0.0014	2002	0.017	0.0194
0920	E	0.0017	2001	0.0014	
0911	F			0.0013	
0913	G	0.0016	2001	0.0013	

Table B-5 (continued). Baseline, July 2010, and February 2011 Uranium Concentrations

Well Number	Horizon	Baseline Uranium Concentration (mg/L)	Year Sampled, Baseline	July 2010 Uranium Concentration (mg/L)	February 2011 Uranium Concentration (mg/L)
0916	G	0.0014	2001	0.000018	
0252	I	0.0024	2002	0.0019	0.00187
0921	I	0.0047	2001	0.0048	

B = Result between instrument detection limit and contract required detection limit.

Values in red exceed the corresponding groundwater remediation target for uranium, 0.044 mg/L (see Table 1 of main report). Well numbers with groundwater concentrations greater than the remediation target during this reporting period are also listed in red.

* Denotes filtered sample. Samples are generally not filtered (as reflected above), except in cases when turbidity is greater than 10 NTUs.

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Appendix C

Nitrate, Sulfate, and Uranium Plume Maps

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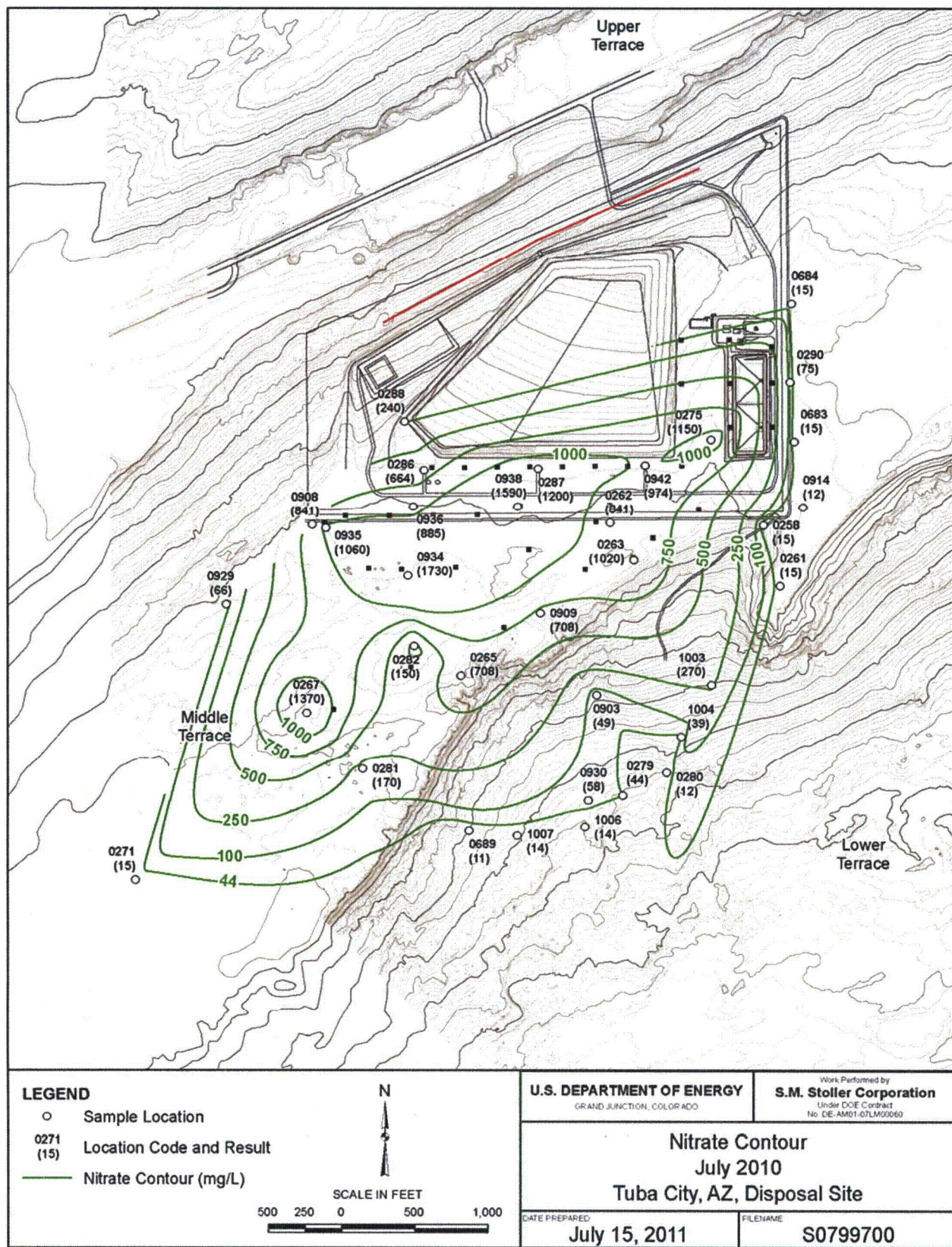


Figure C-1. Nitrate (mg/L as NO₃) Plume Map: July 2010

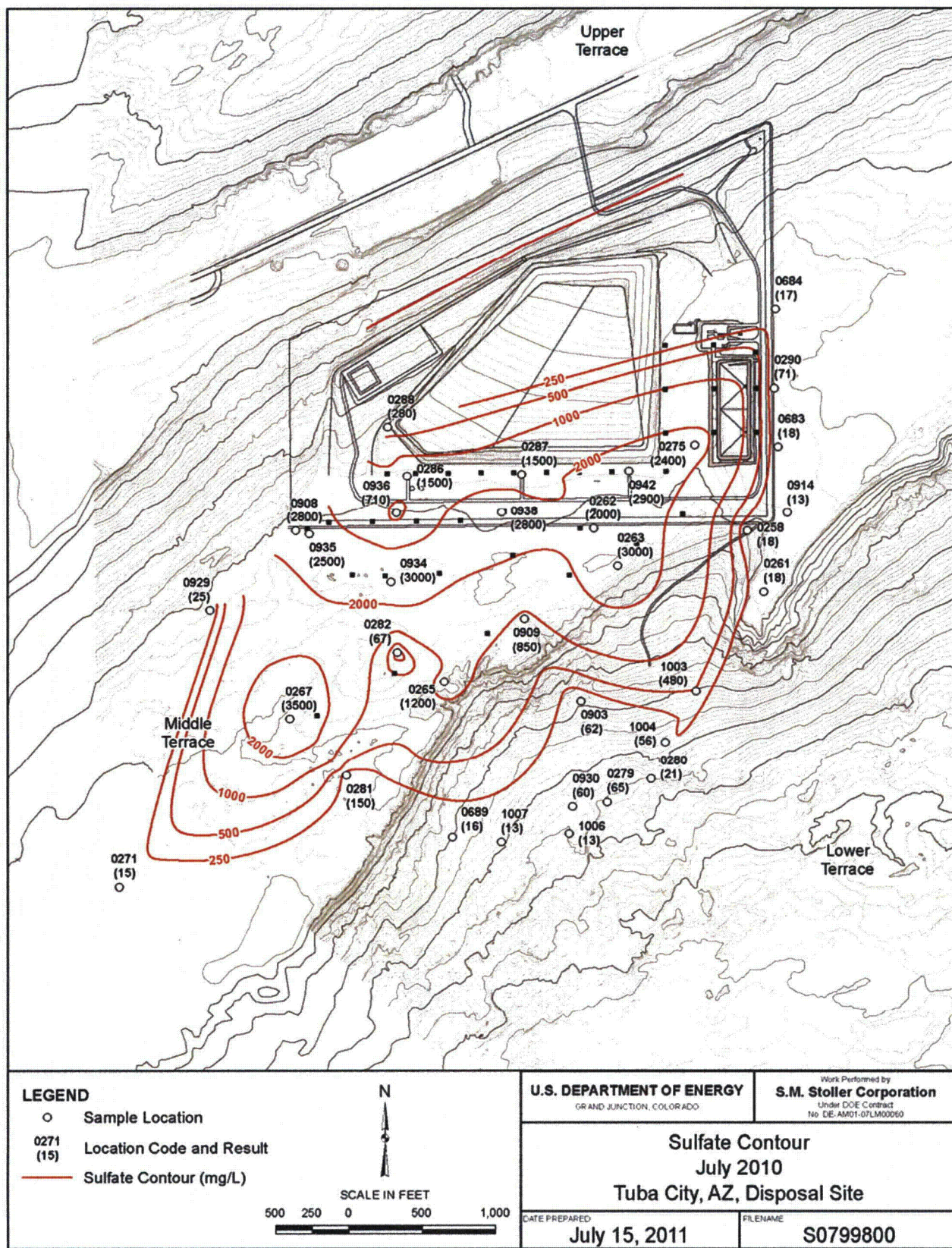


Figure C-2. Sulfate (mg/L) Plume Map: July 2010

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Appendix D

Monitoring Well Water Level Hydrographs

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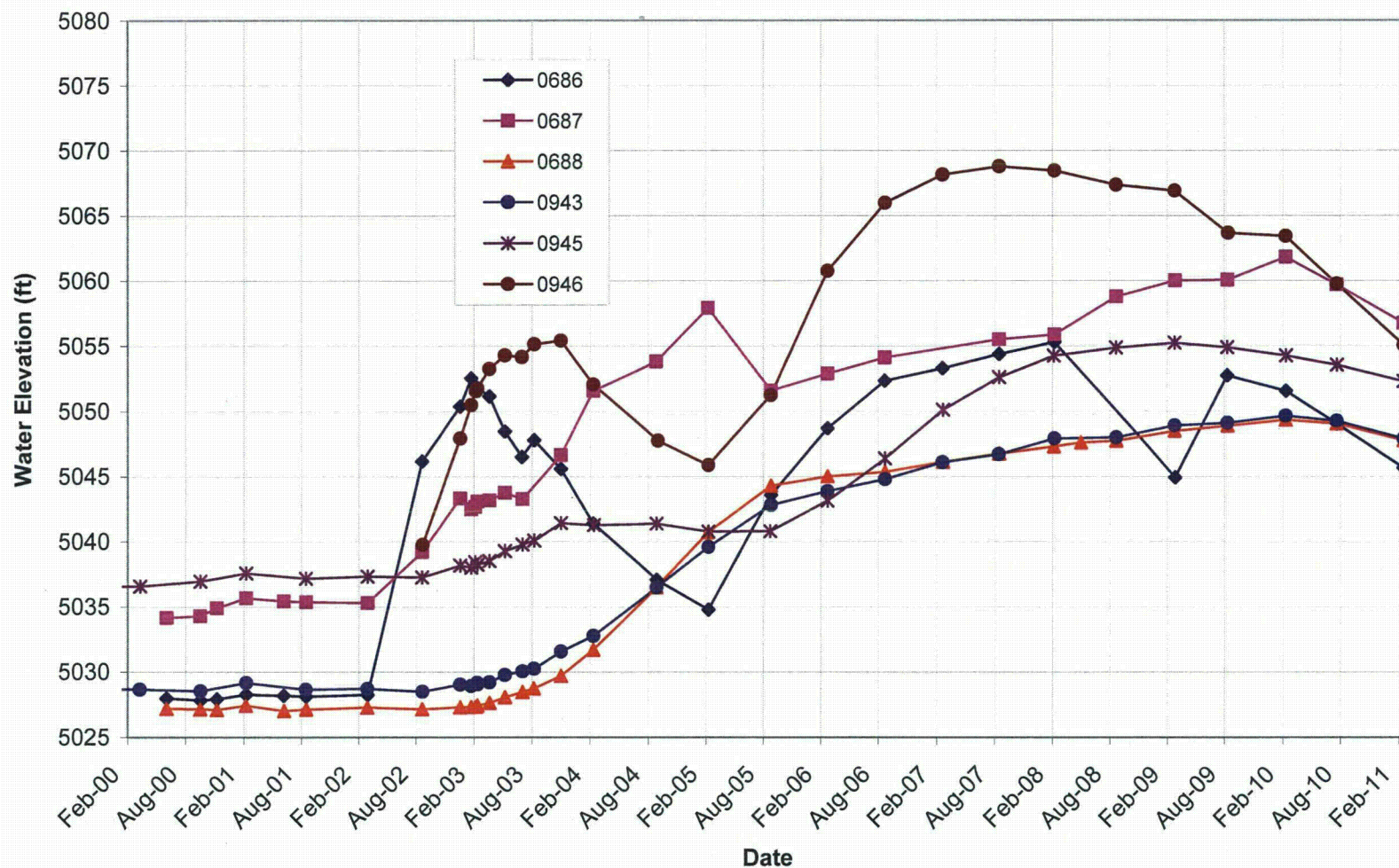


Figure D-1. Monitoring Wells at Infiltration Trench: 0686–0688, 0943, 0945, 0946

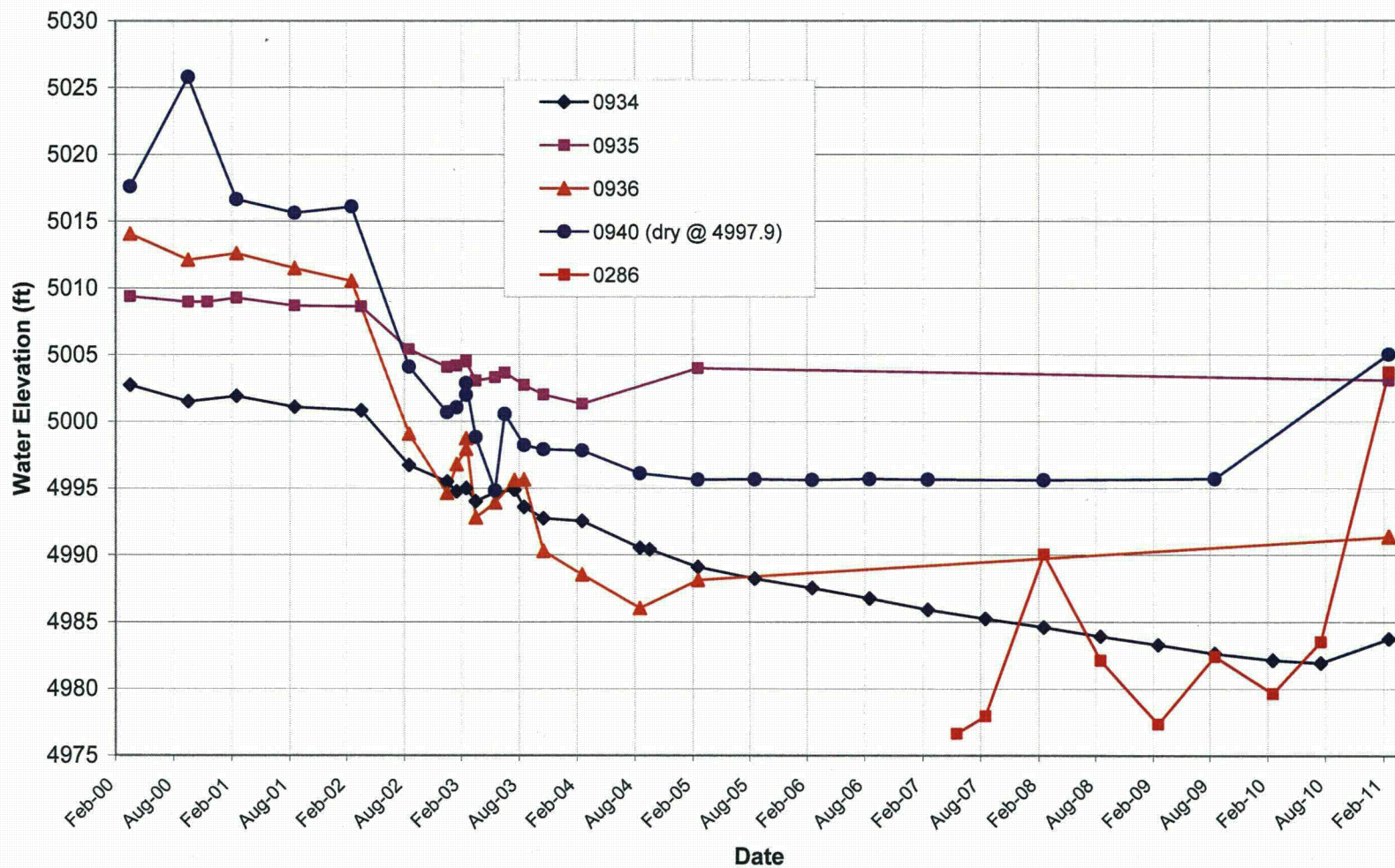


Figure D-2. Horizon A and B Monitoring Wells 286, 934-936, 940

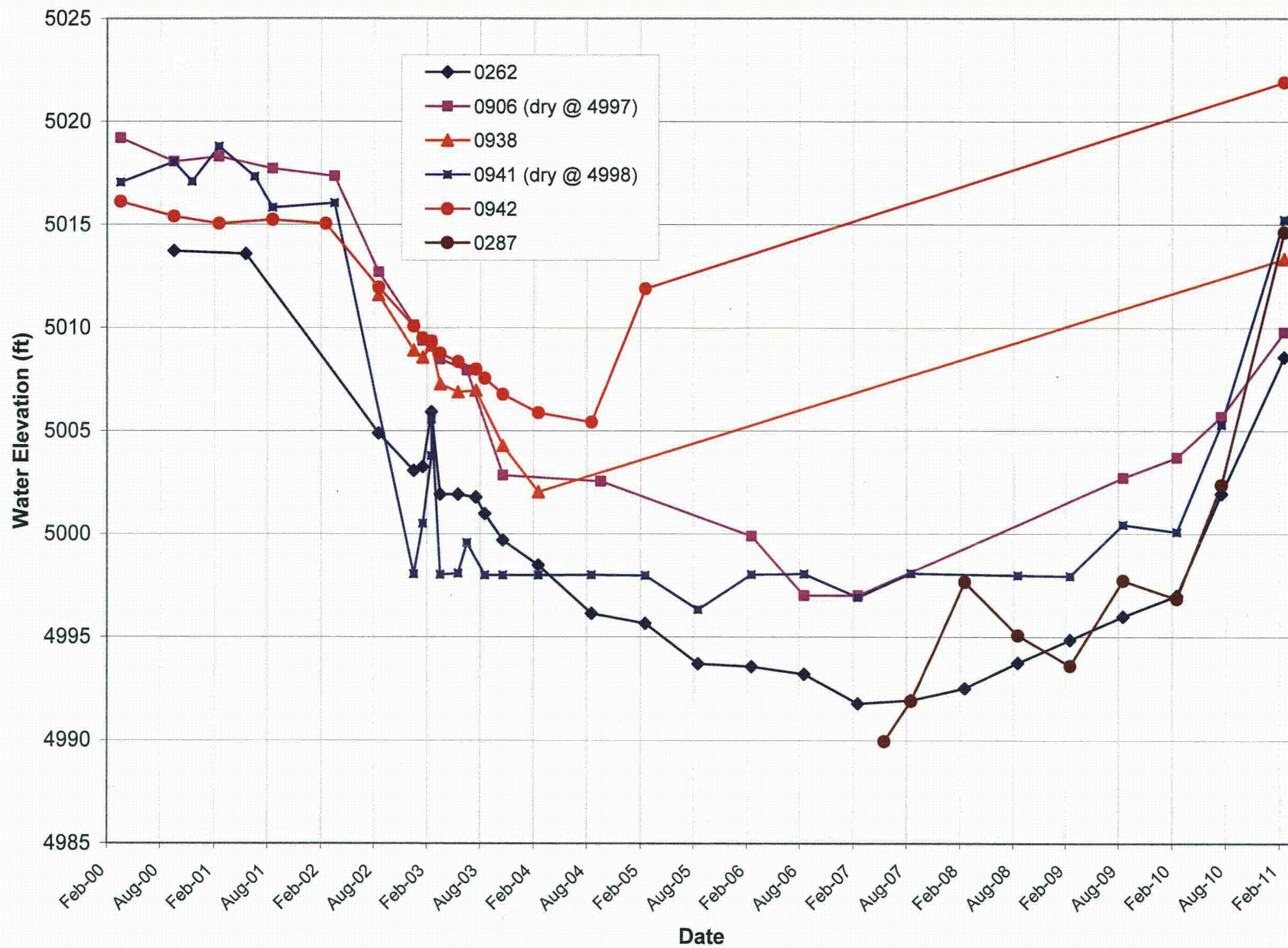


Figure D-3. Horizon A and B Monitoring Wells 262, 287, 906, 938, 941, 942

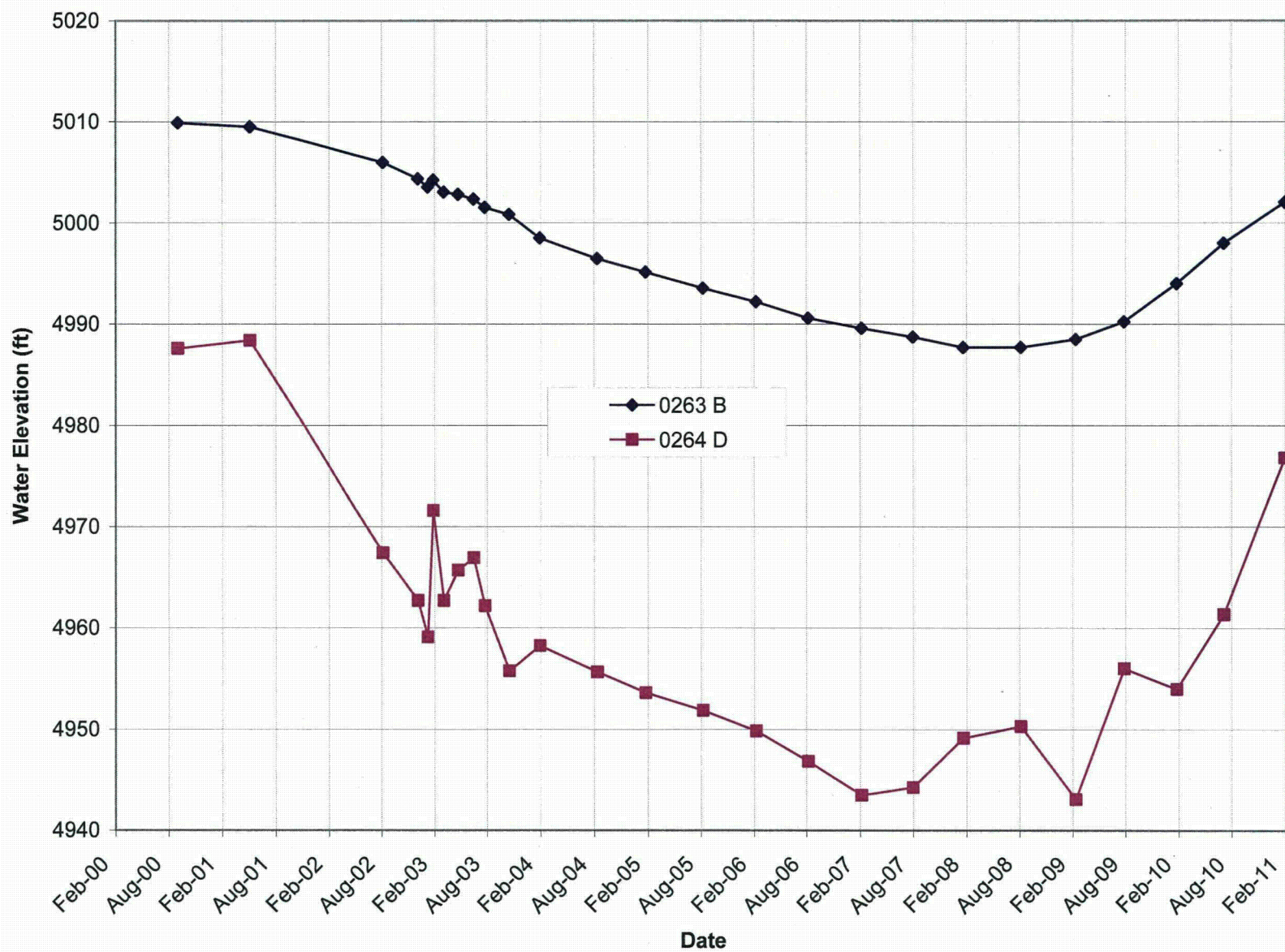


Figure D-4. Middle Terrace Well Pair 263 and 264

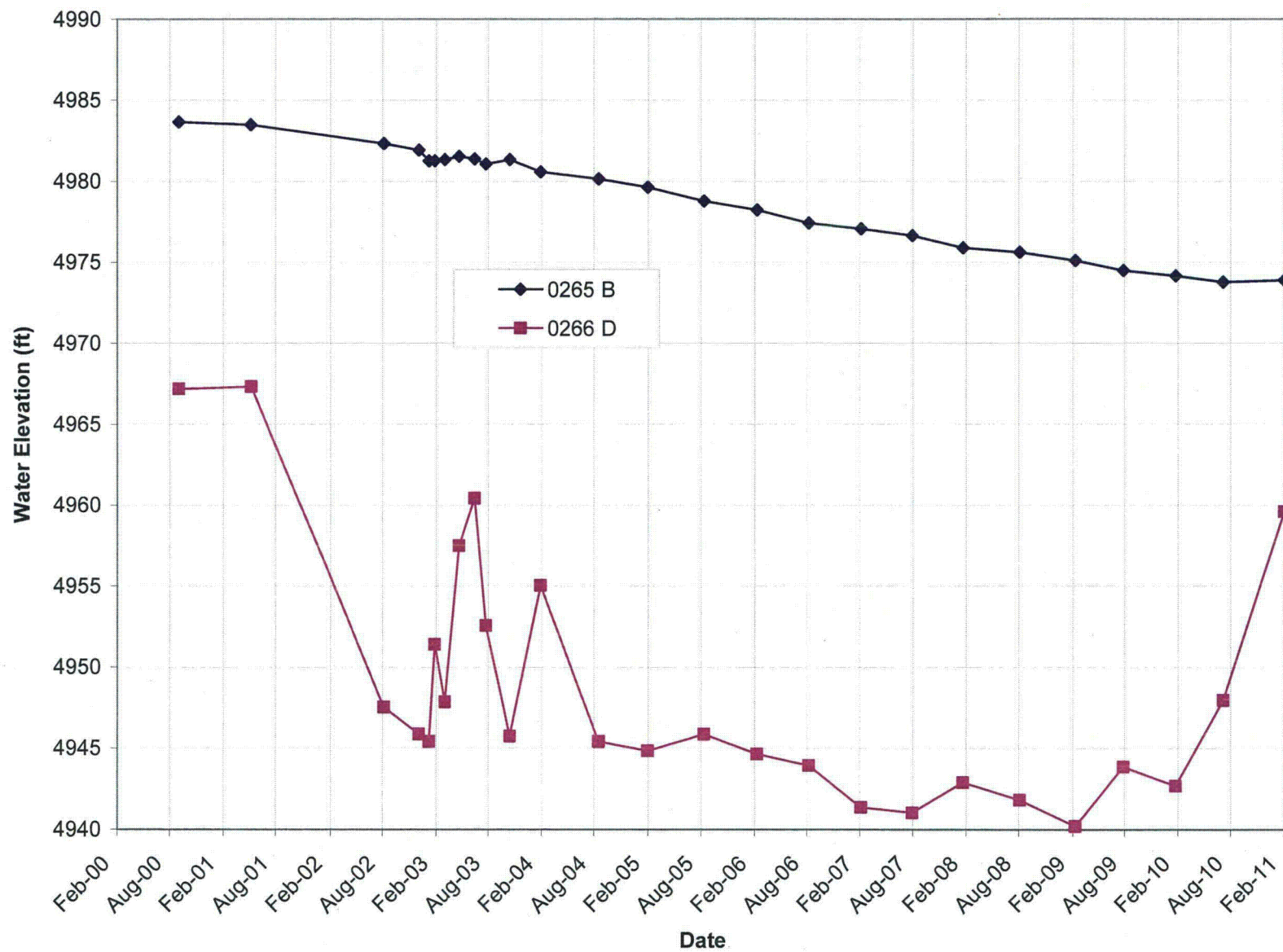


Figure D-5. Middle Terrace Well Pair 265 and 266

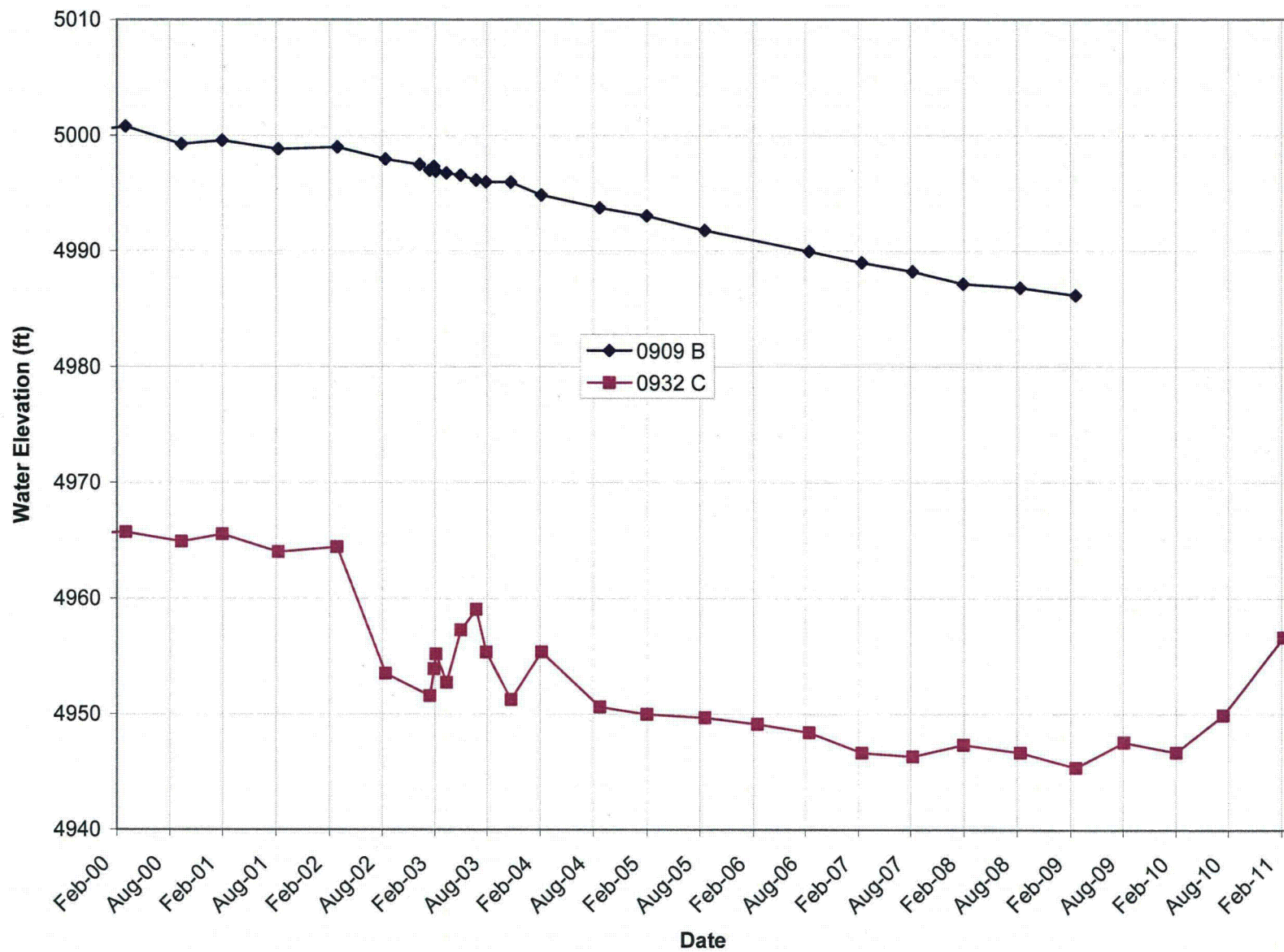


Figure D-6. Middle Terrace Well Pair 909 and 932

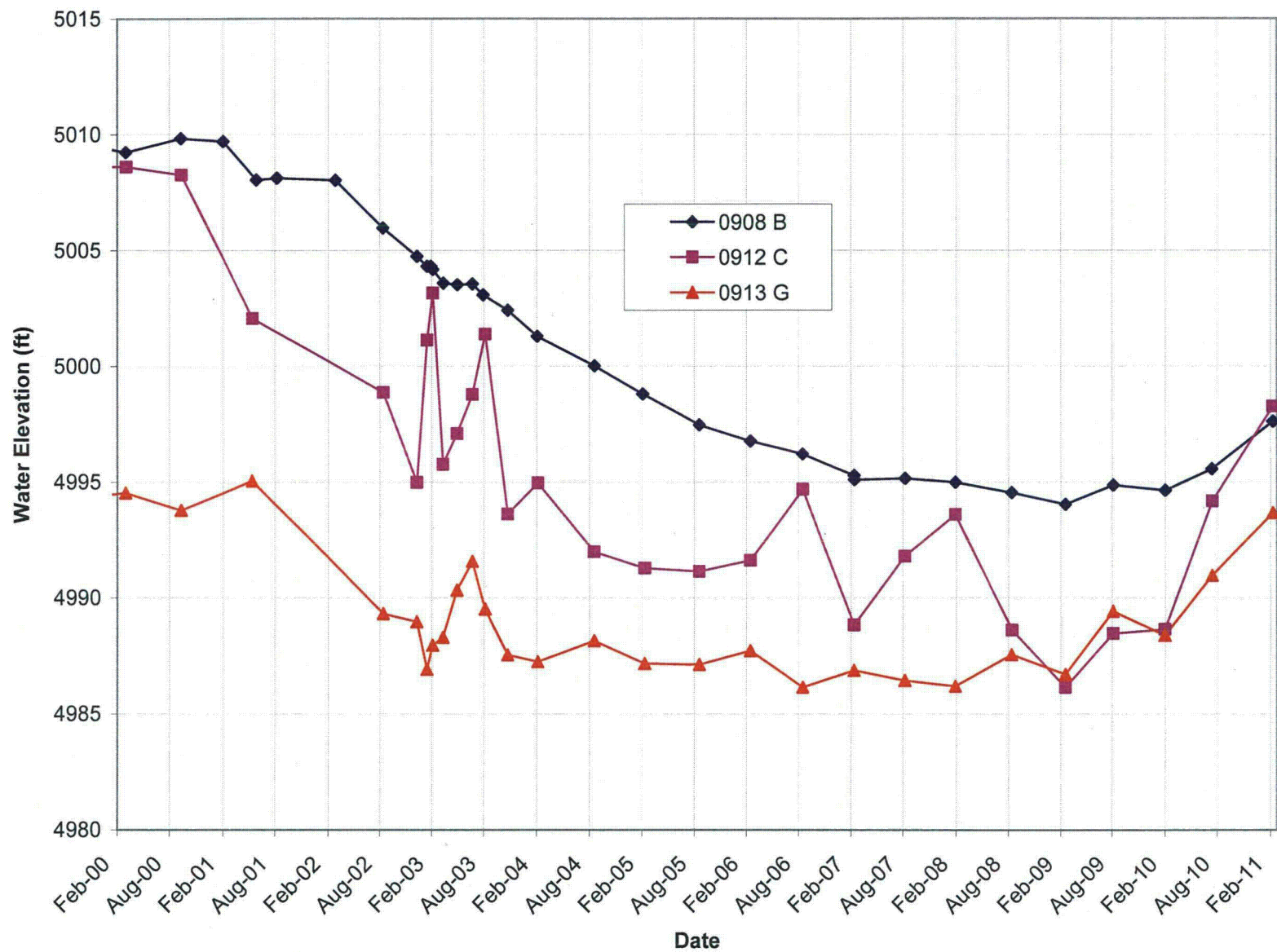


Figure D-7. Middle Terrace Well Cluster 908, 912, and 913

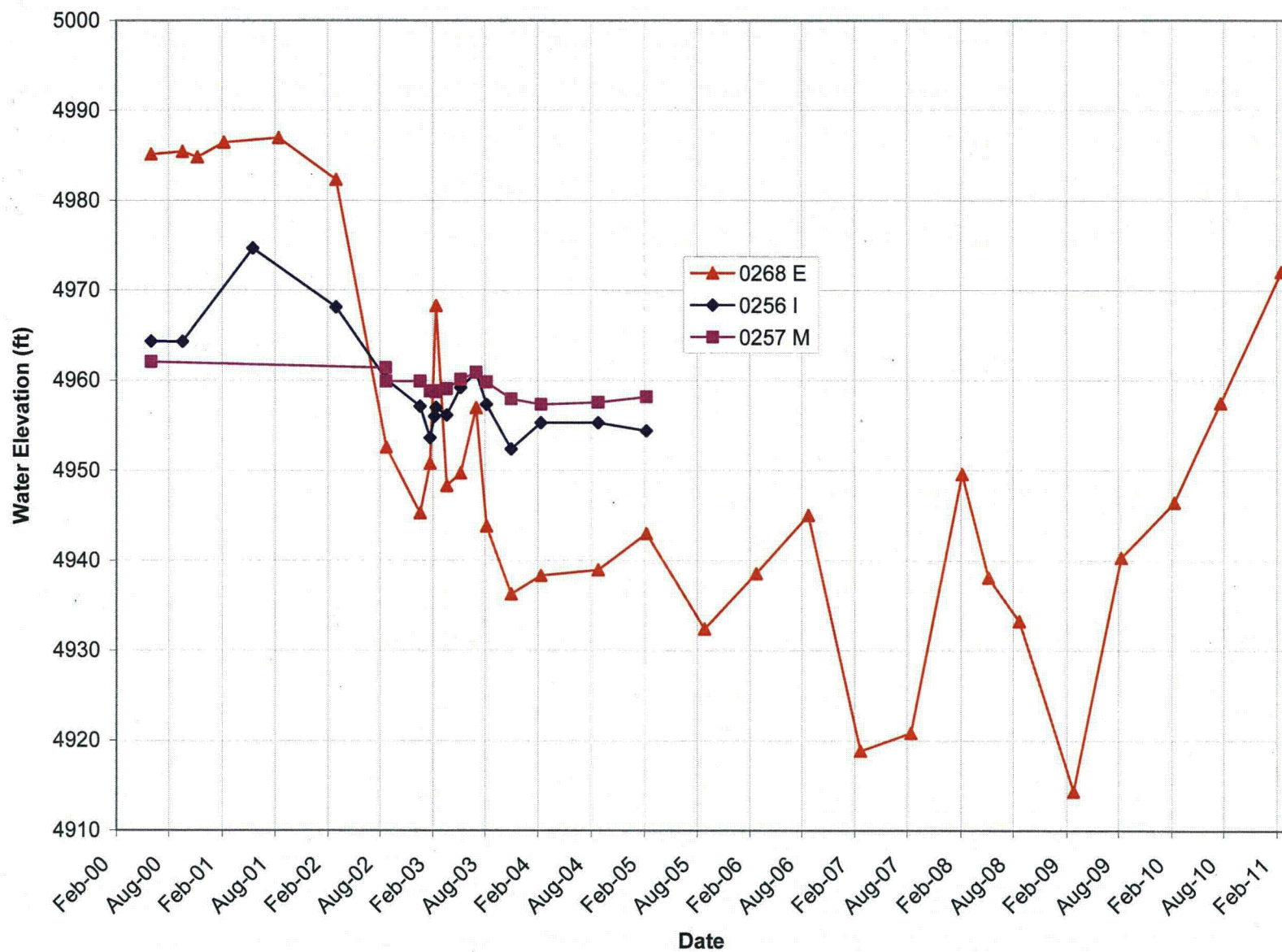


Figure D-8. Middle Terrace Well Cluster 256, 257, and 268

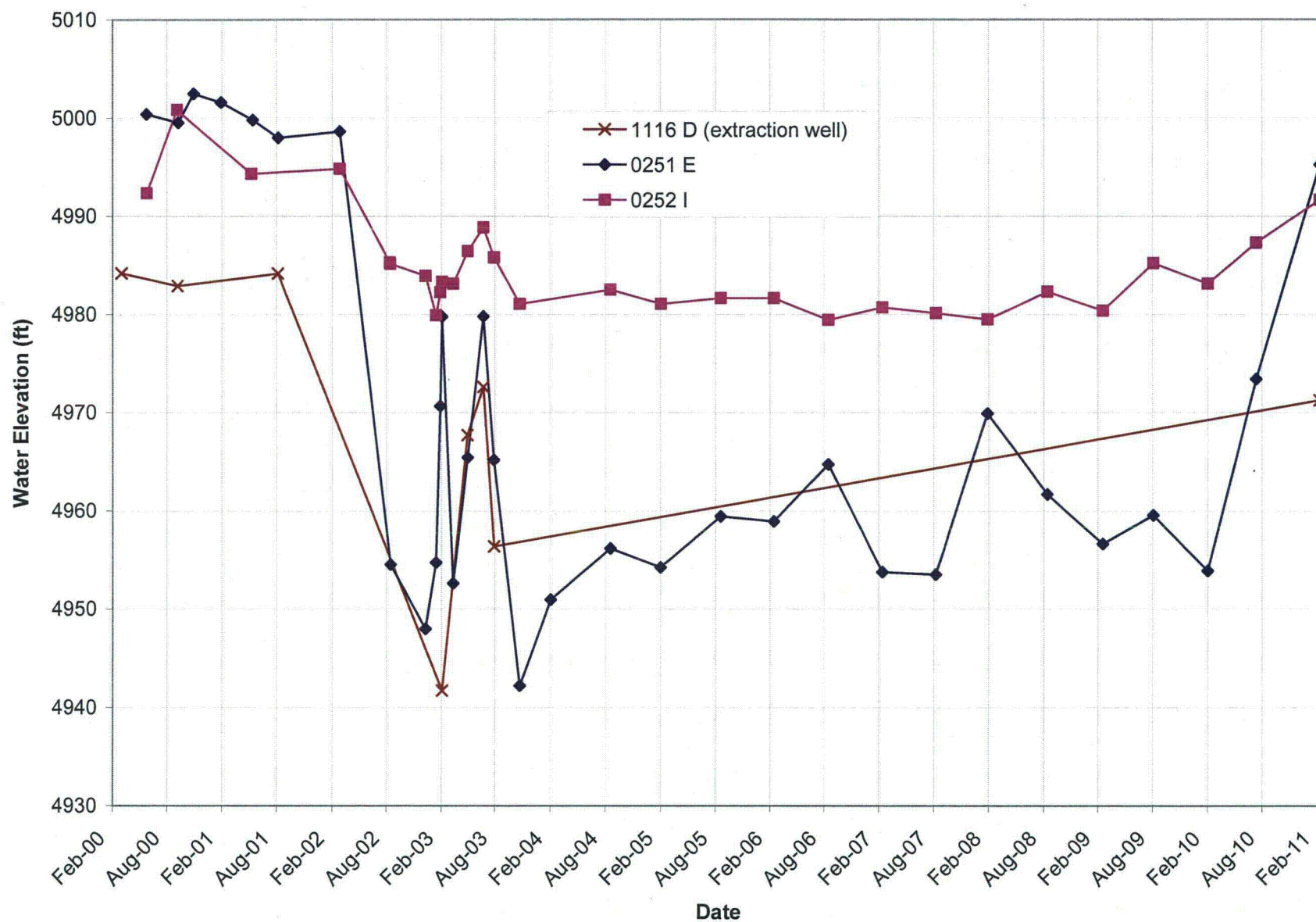


Figure D-9. Middle Terrace Well Cluster 251, 252, and 1116

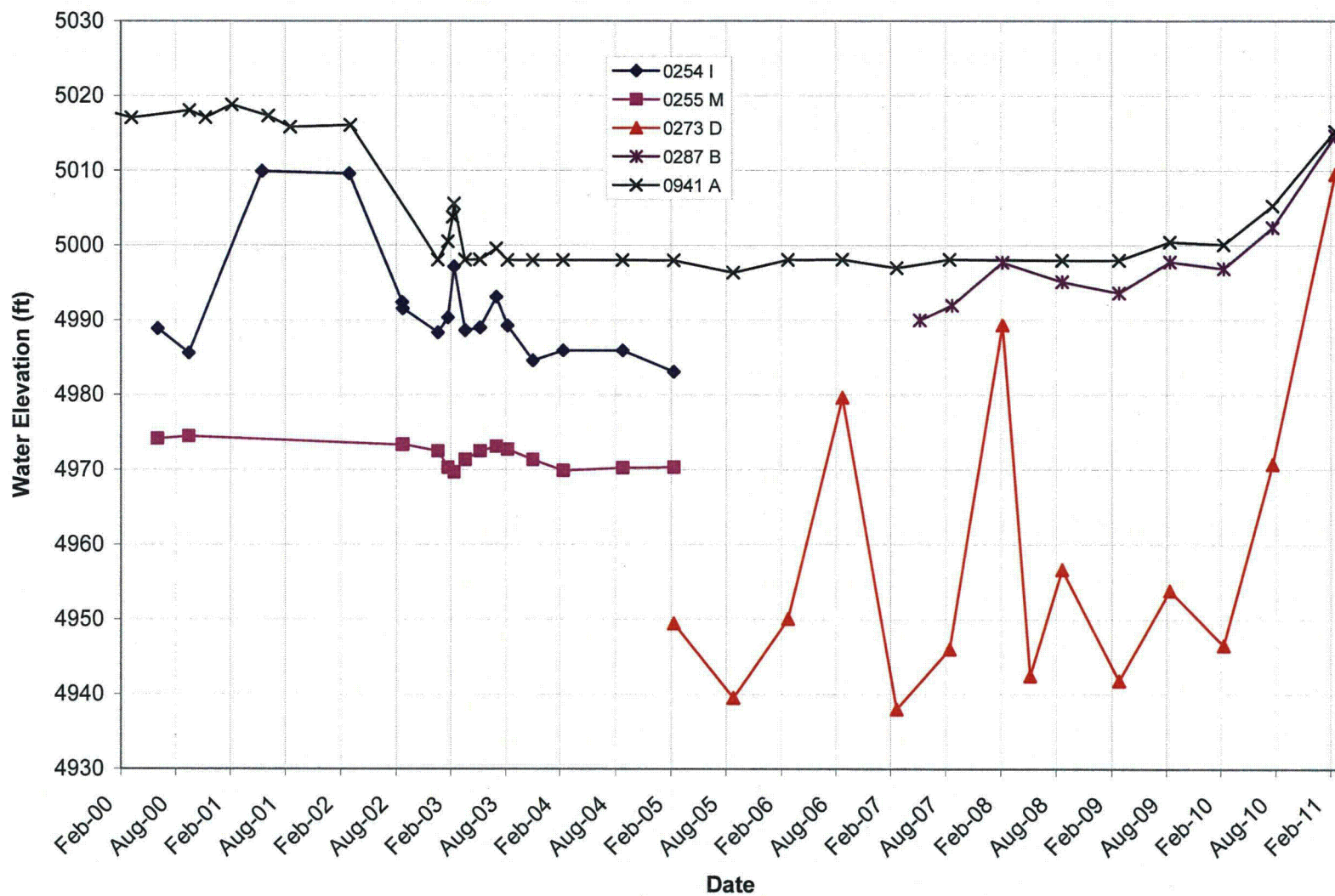


Figure D-10. Middle Terrace Well Cluster 254, 255, 273, 287, and 941

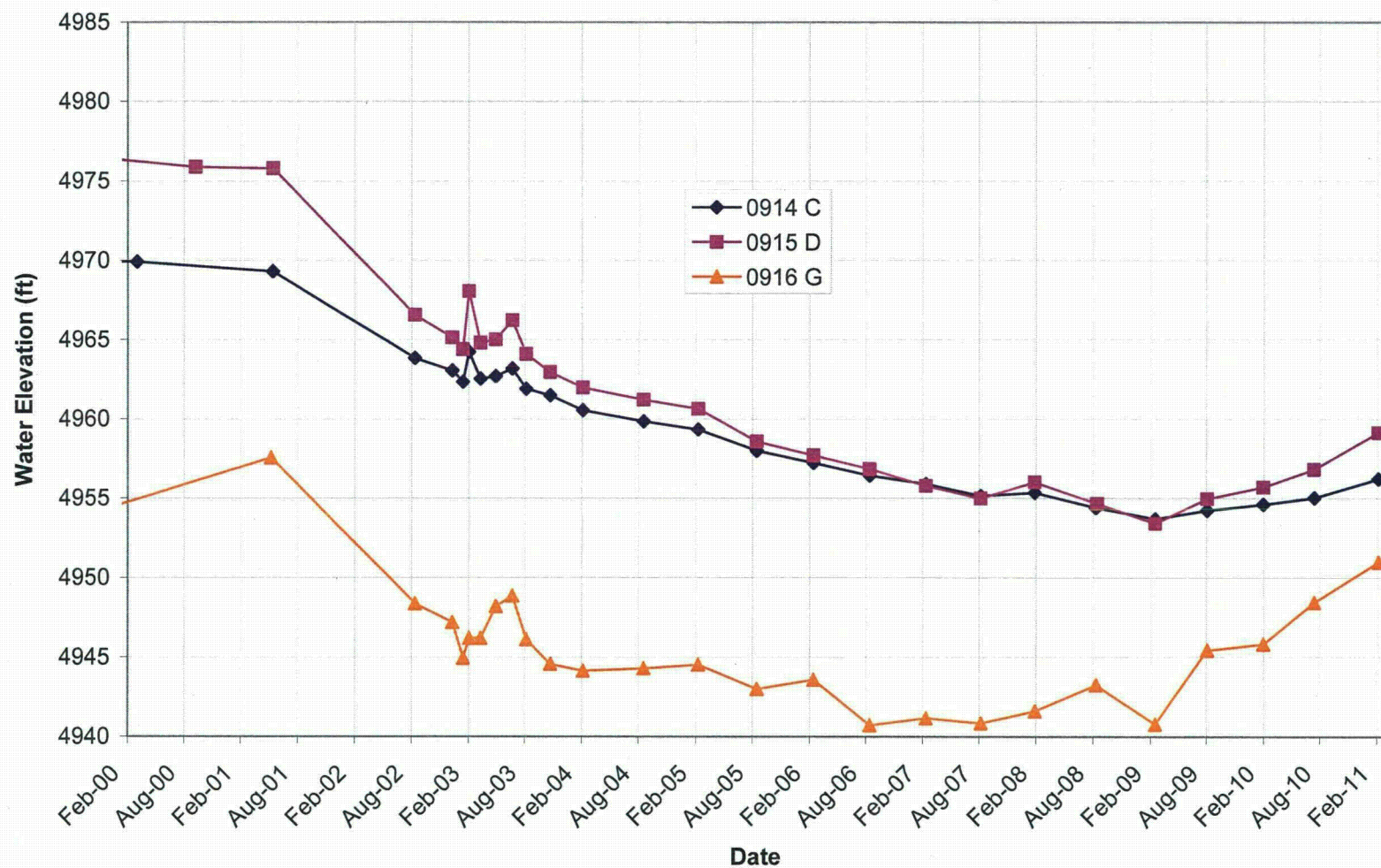


Figure D-11. Middle Terrace Well Cluster 914, 915, and 916

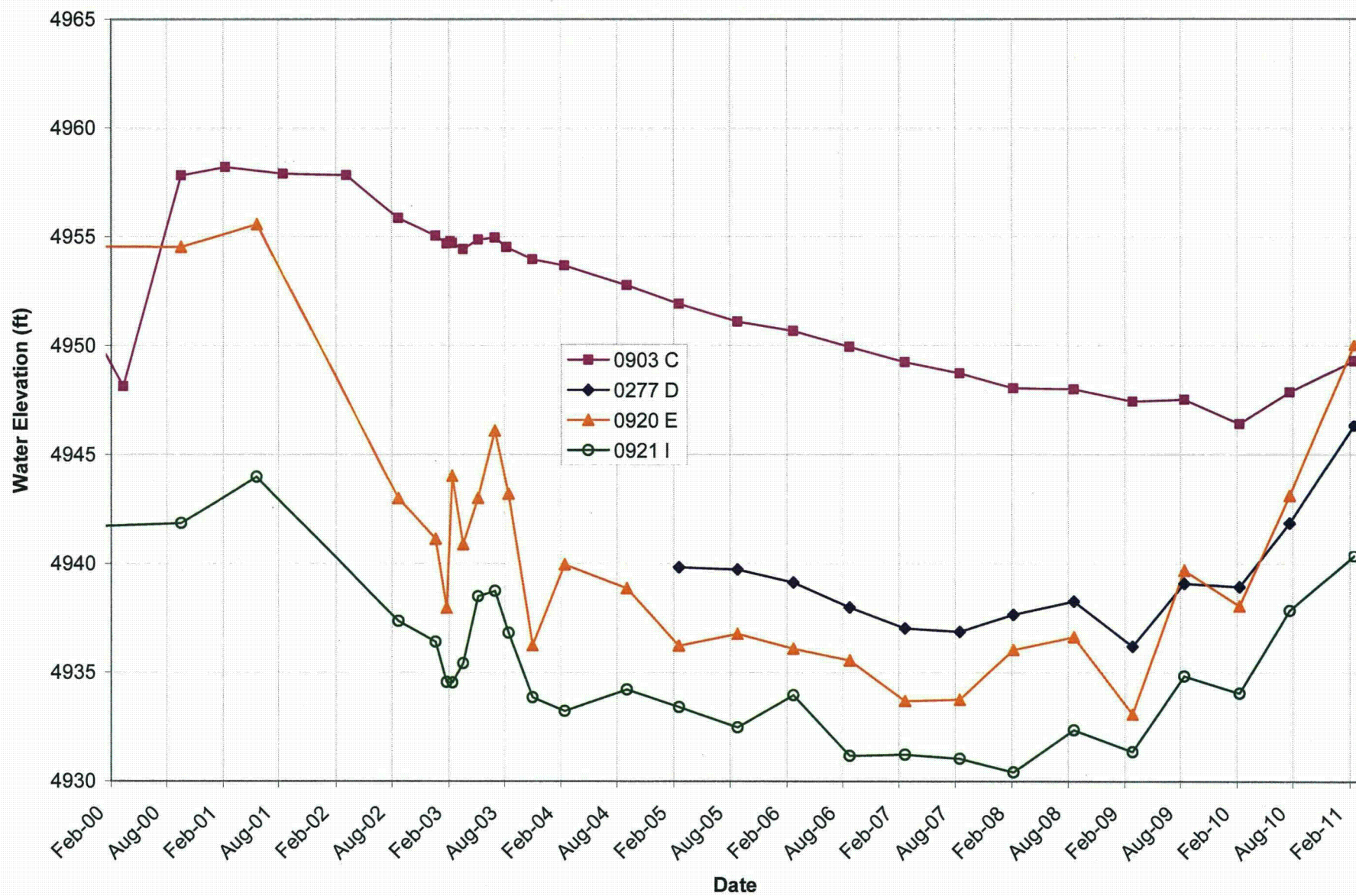


Figure D-12. Lower Terrace Well Cluster 277, 903, 920, and 921

Appendix E

Contaminant Concentration Trends at Monitoring Wells

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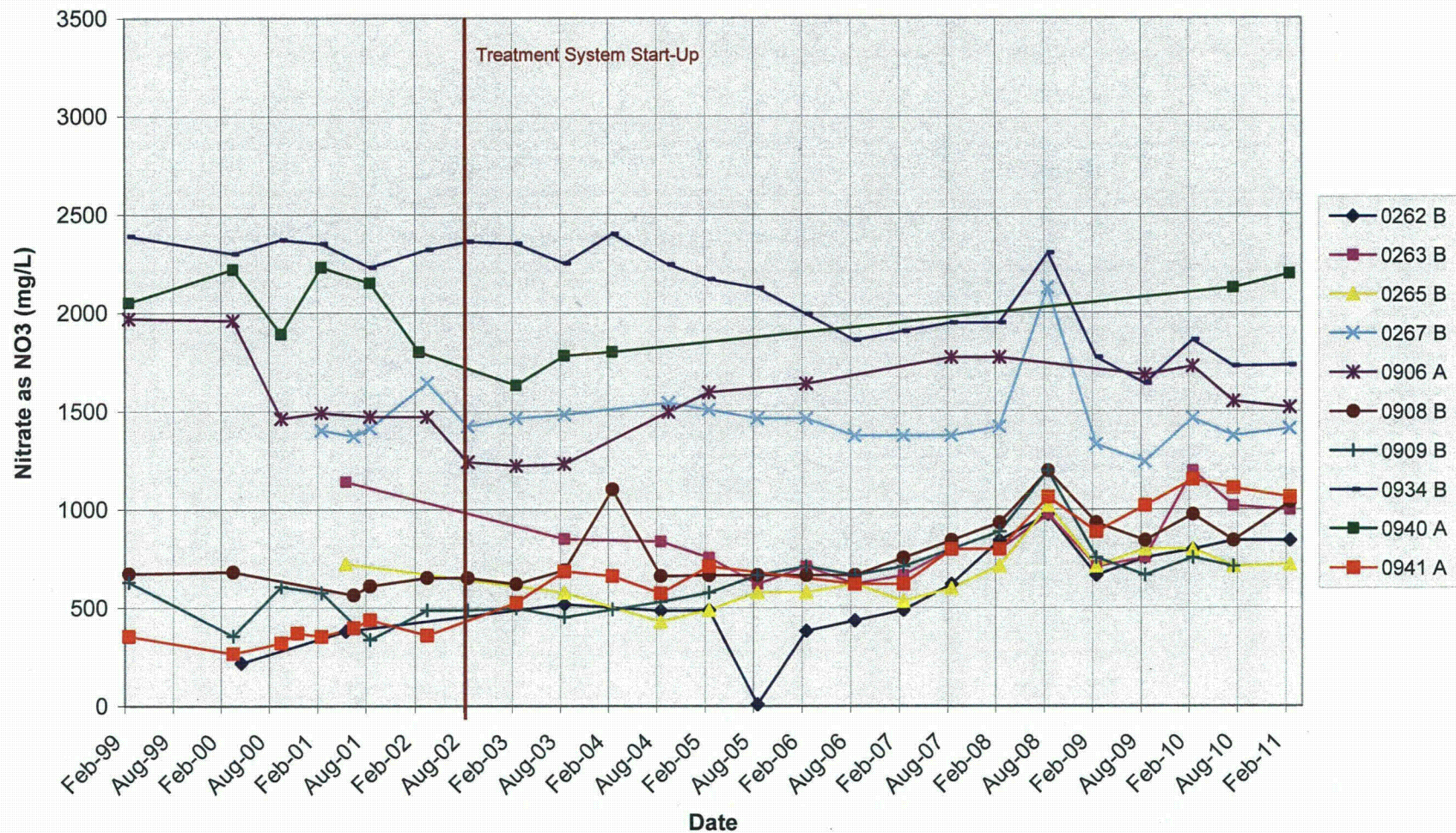


Figure E-1. Horizons A and B Monitoring Wells, Nitrate as NO_3 Concentrations

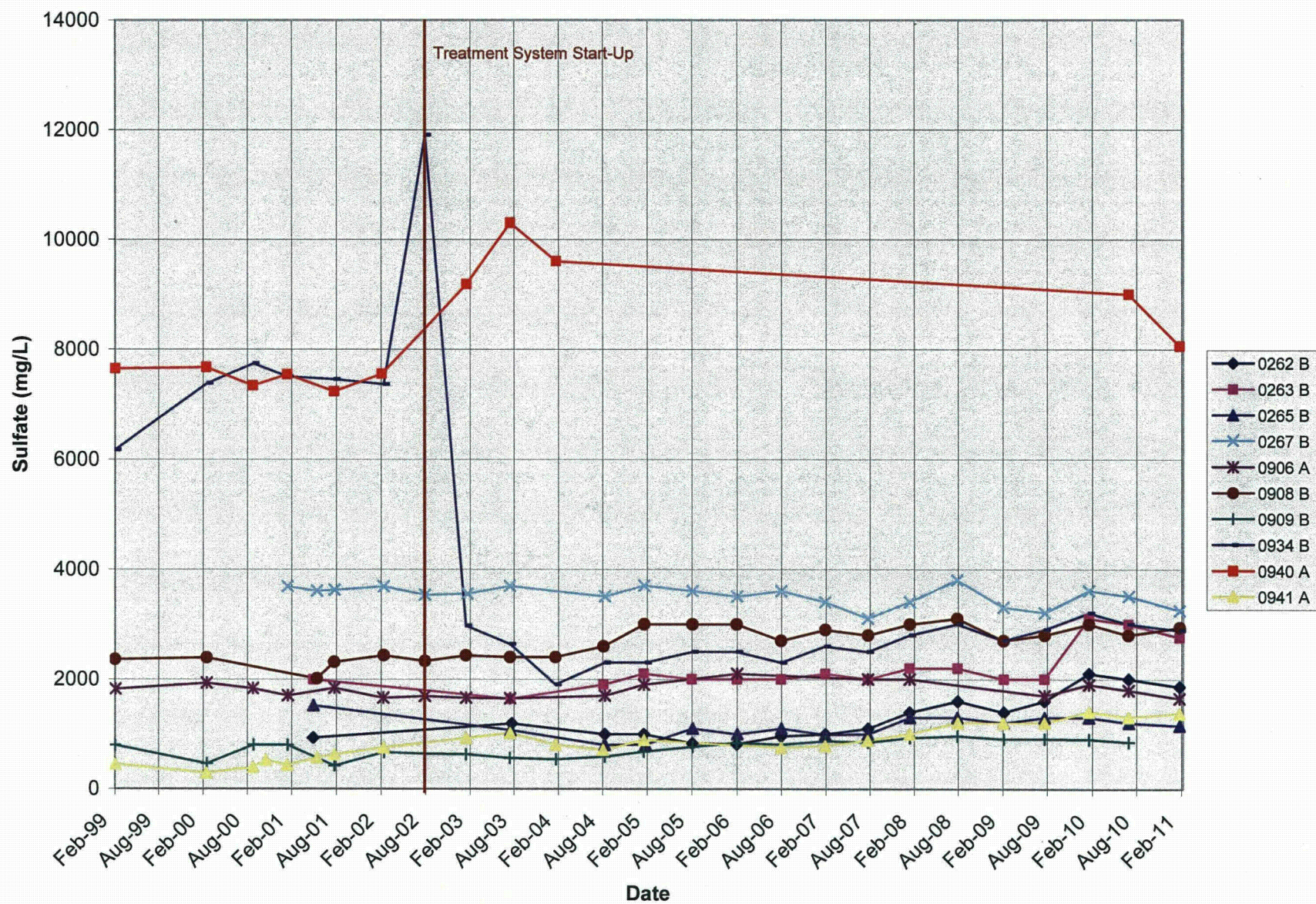


Figure E-2. Horizons A and B Monitoring Wells, Sulfate Concentrations

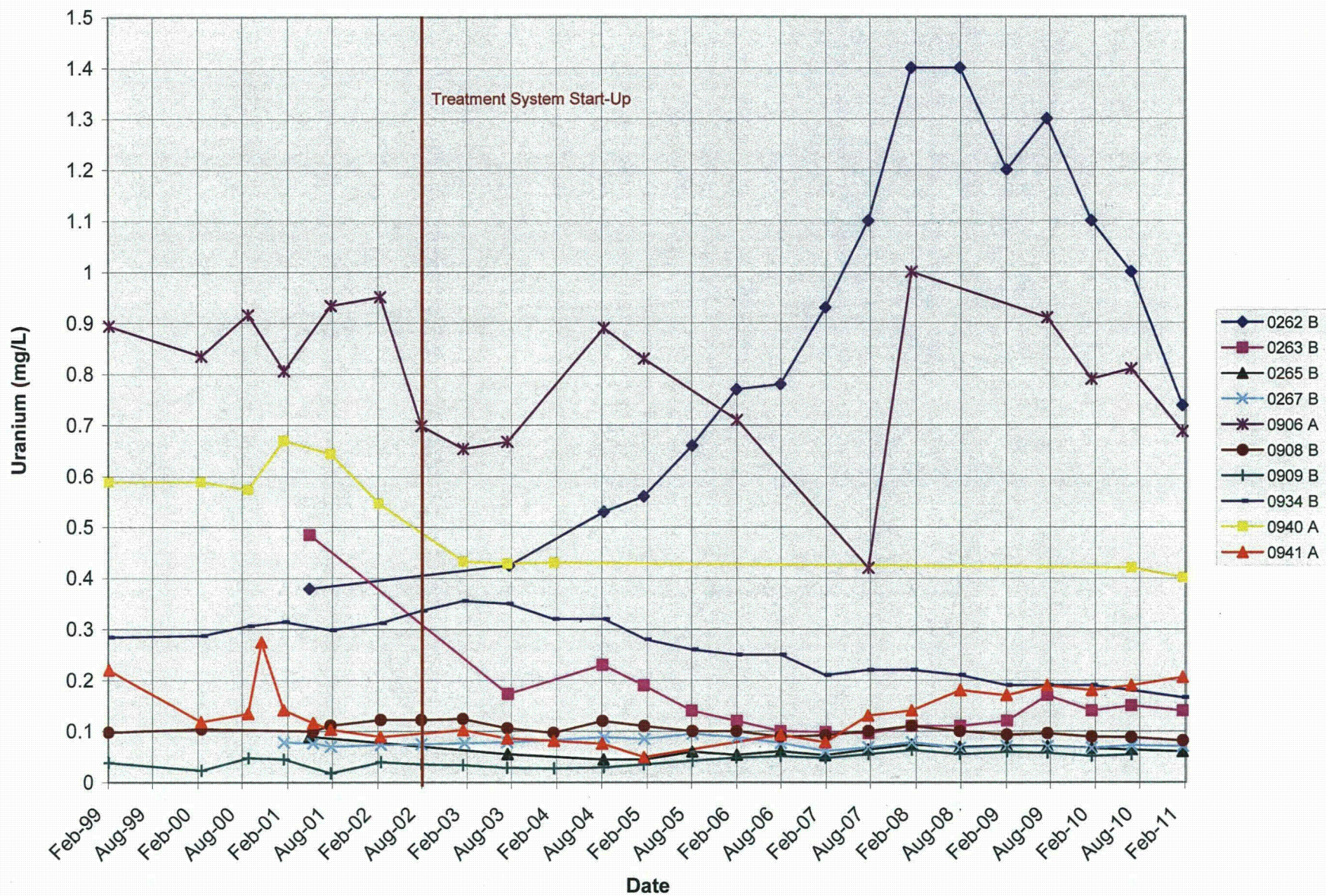


Figure E-3. Horizons A and B Monitoring Wells, Uranium Concentrations

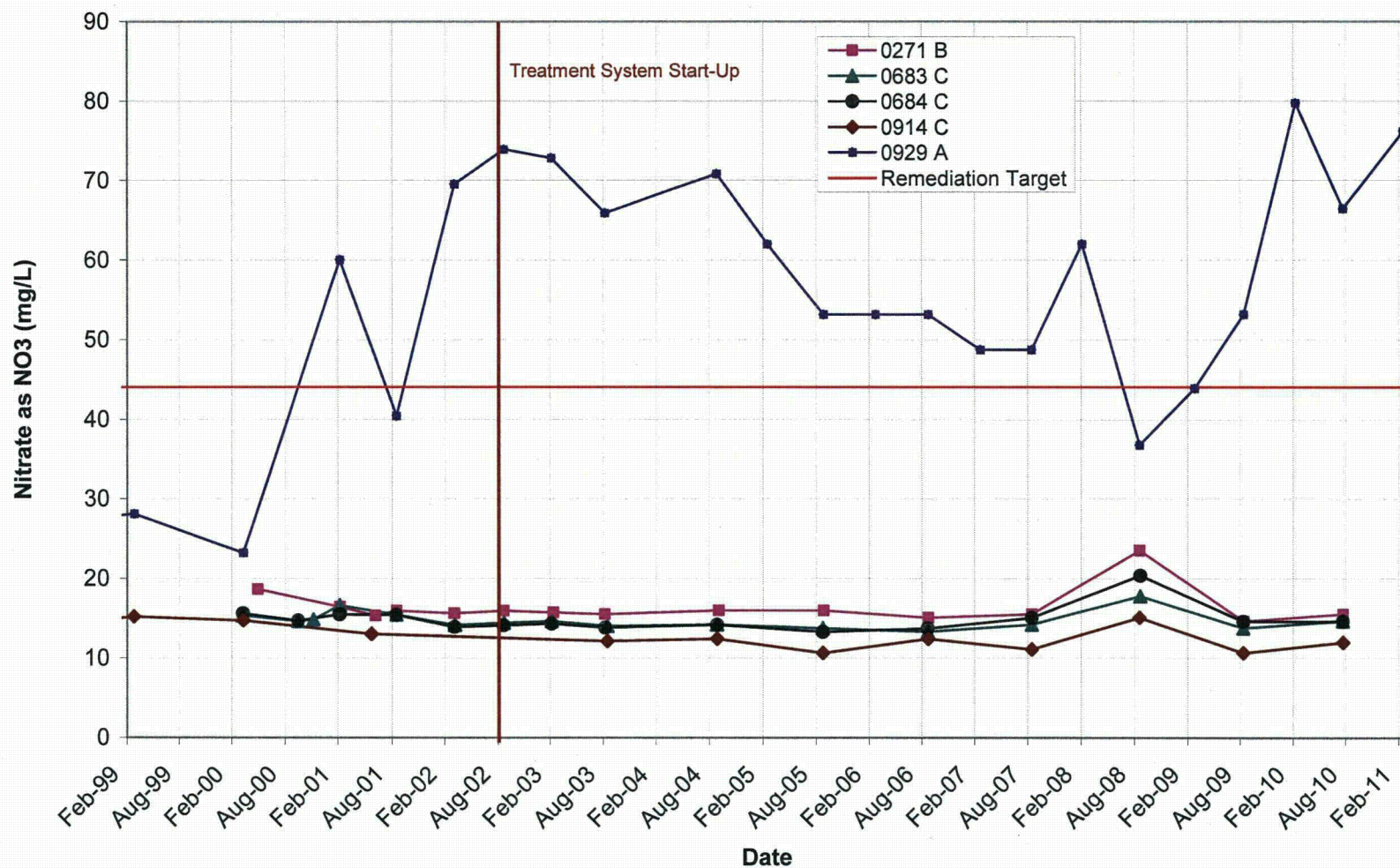


Figure E-4. Horizons A and B Sentinel Wells, Nitrate as NO₃ Concentrations

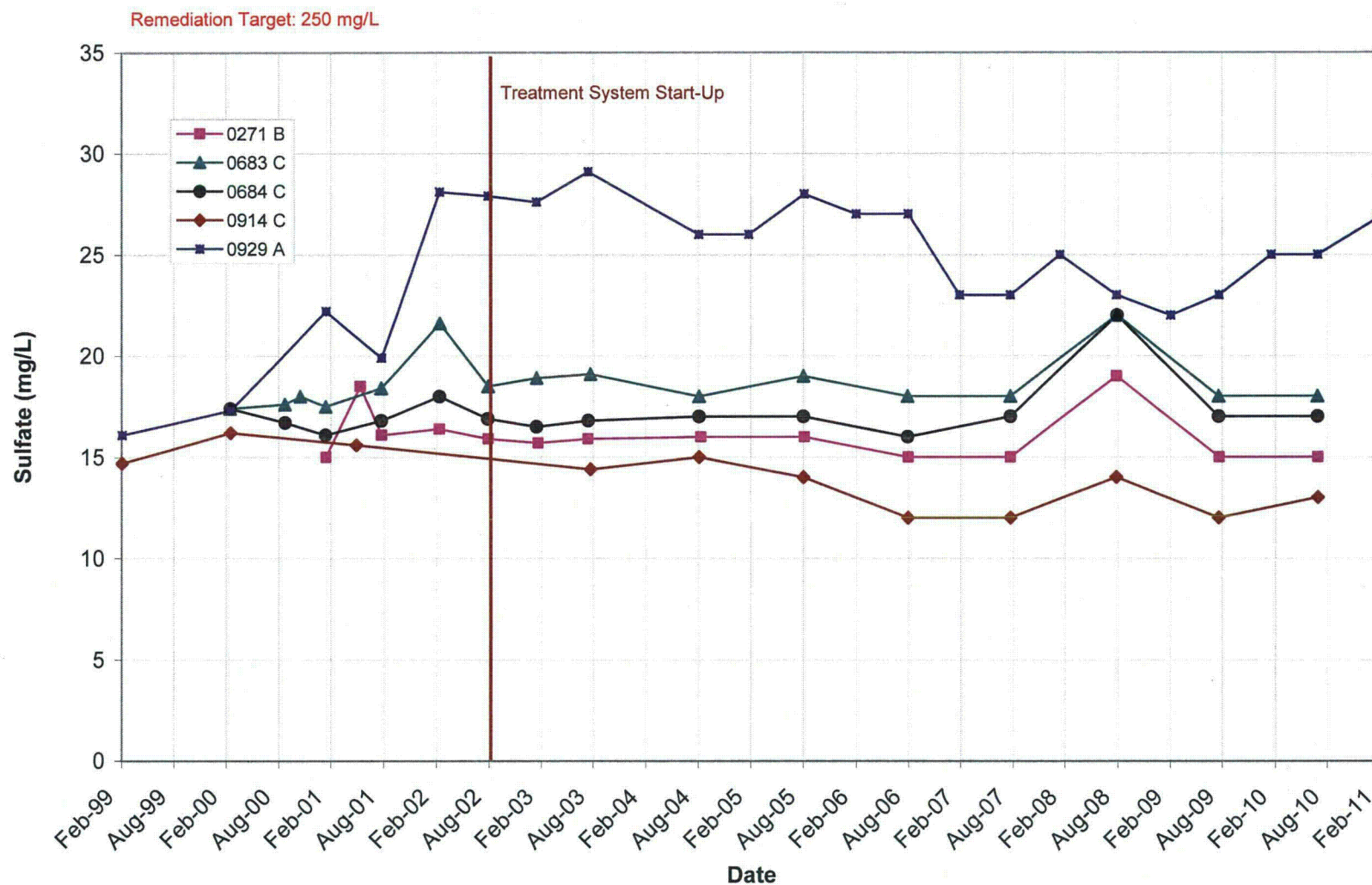


Figure E-5. Horizons A and B Sentinel Wells, Sulfate Concentrations

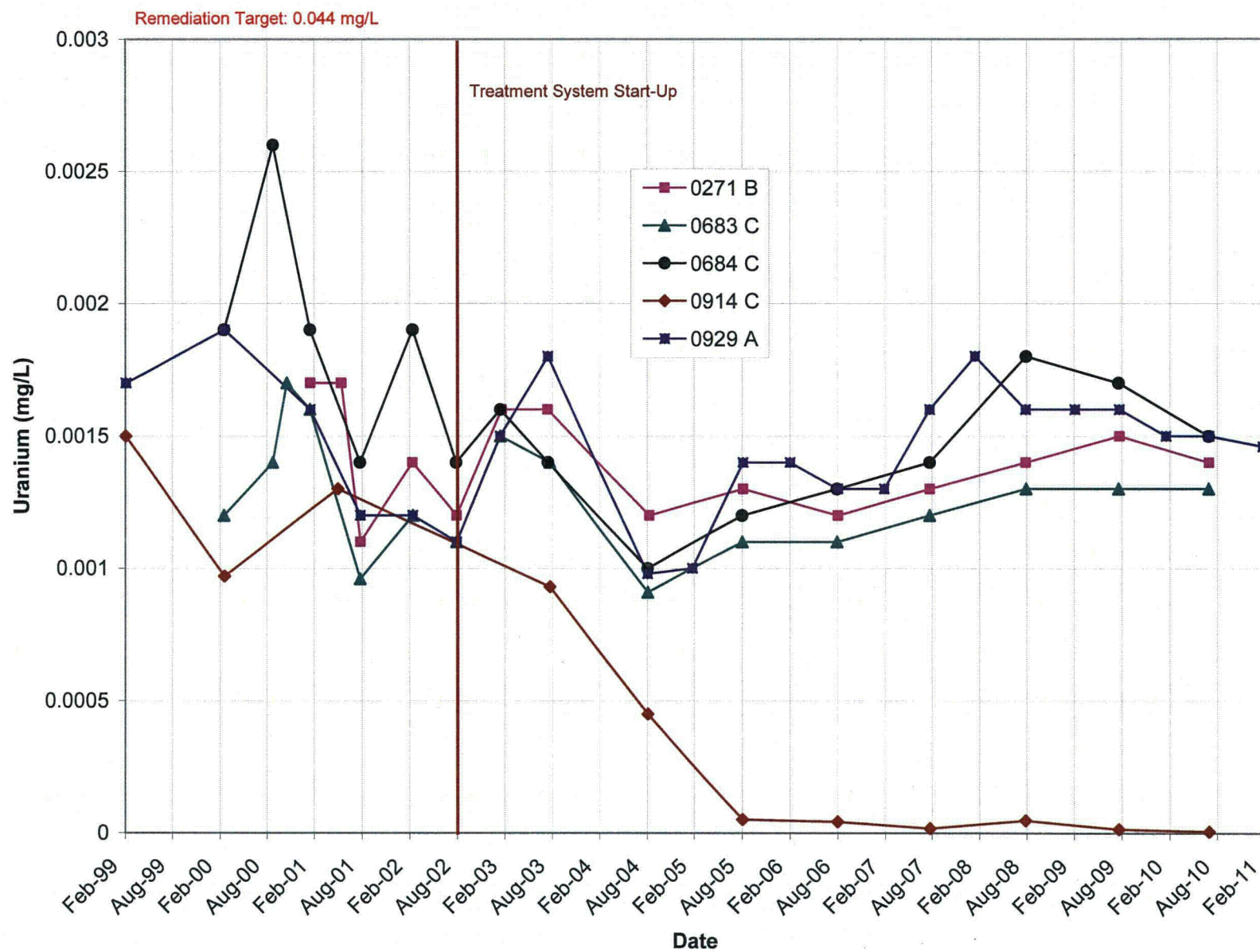


Figure E-6. Horizons A and B Sentinel Wells, Uranium Concentrations

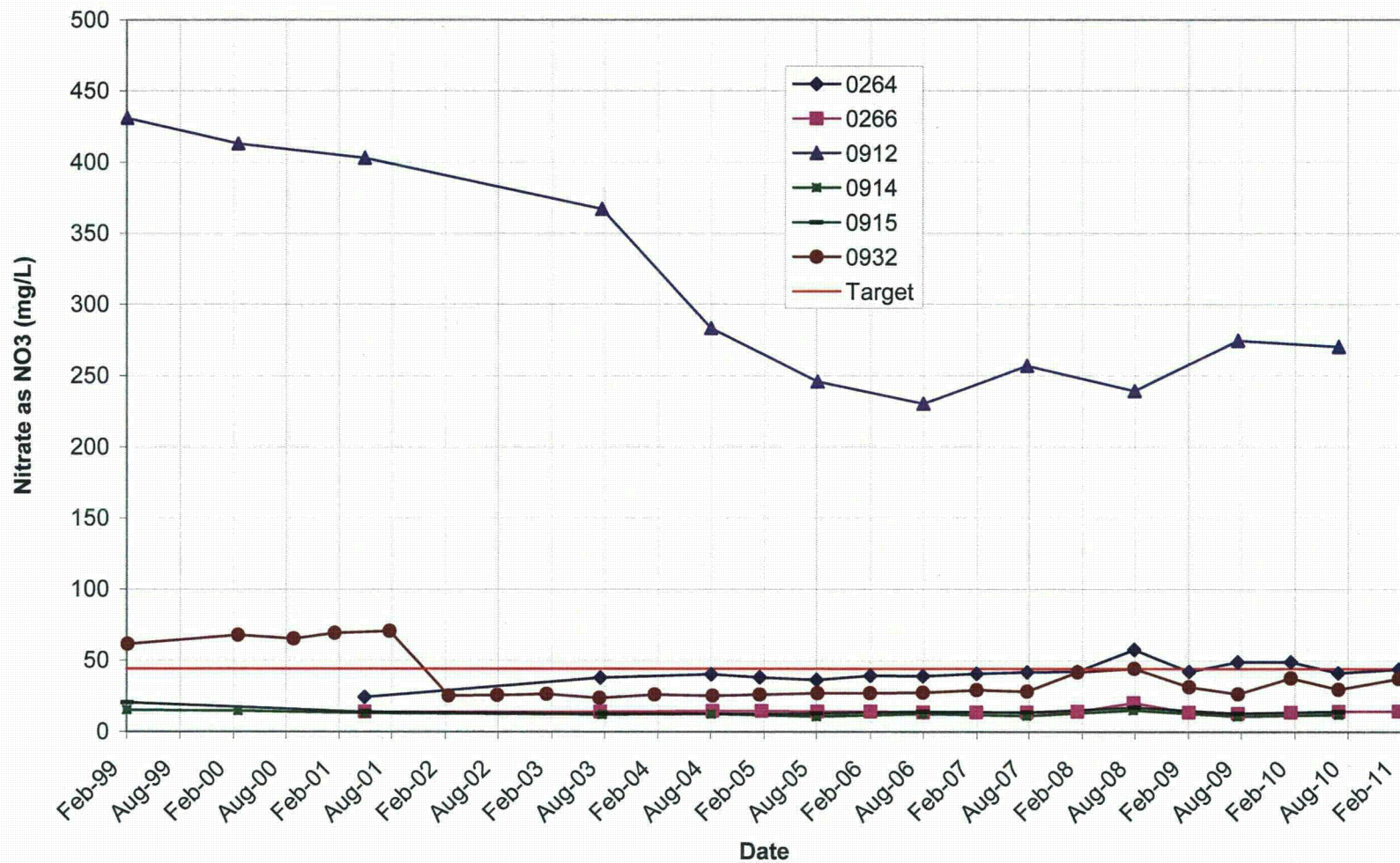


Figure E-7. Horizons C and D Monitoring Wells, Nitrate as NO₃ Concentration

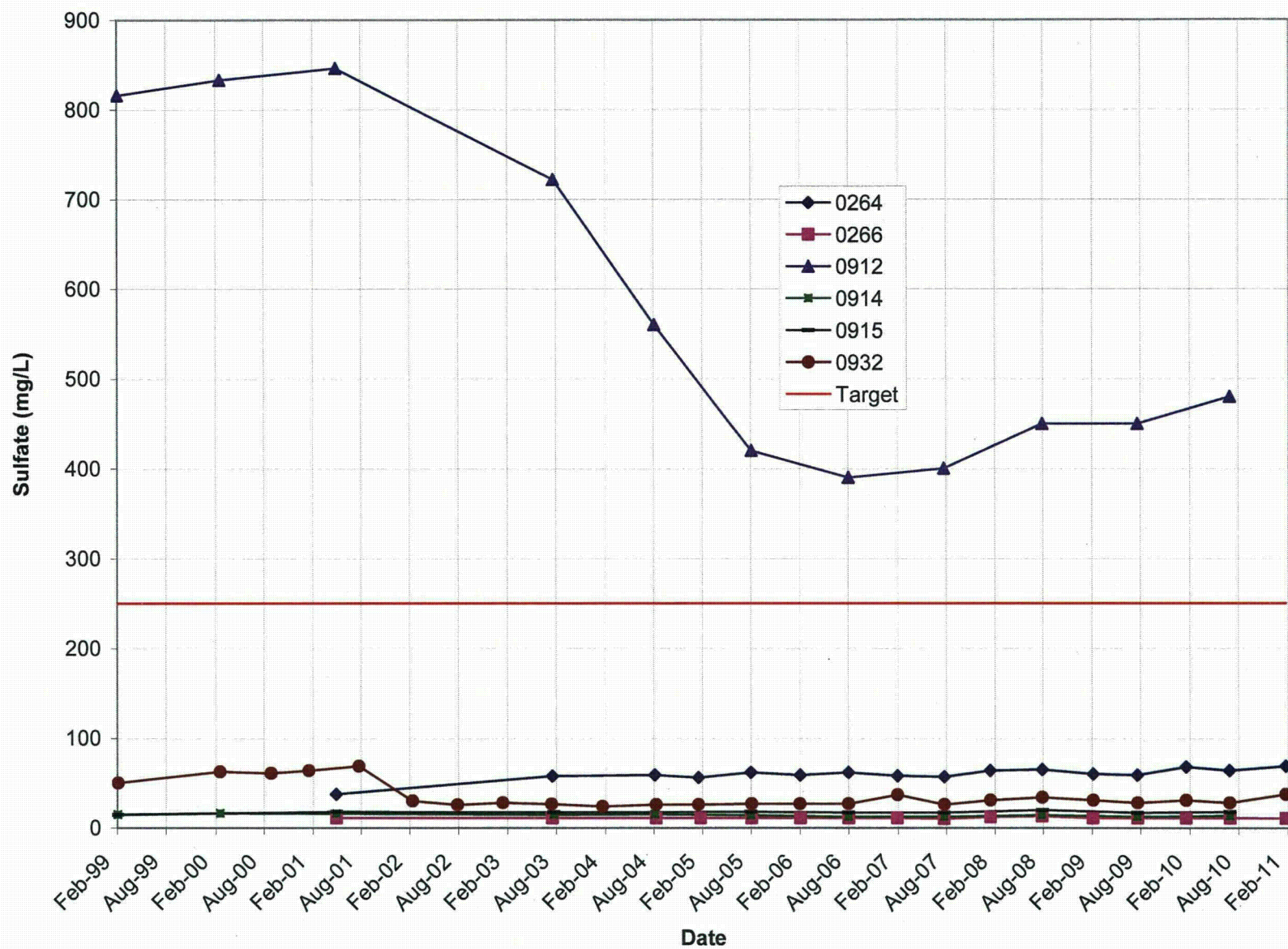


Figure E-8. Horizons C and D Monitoring Wells, Sulfate Concentration

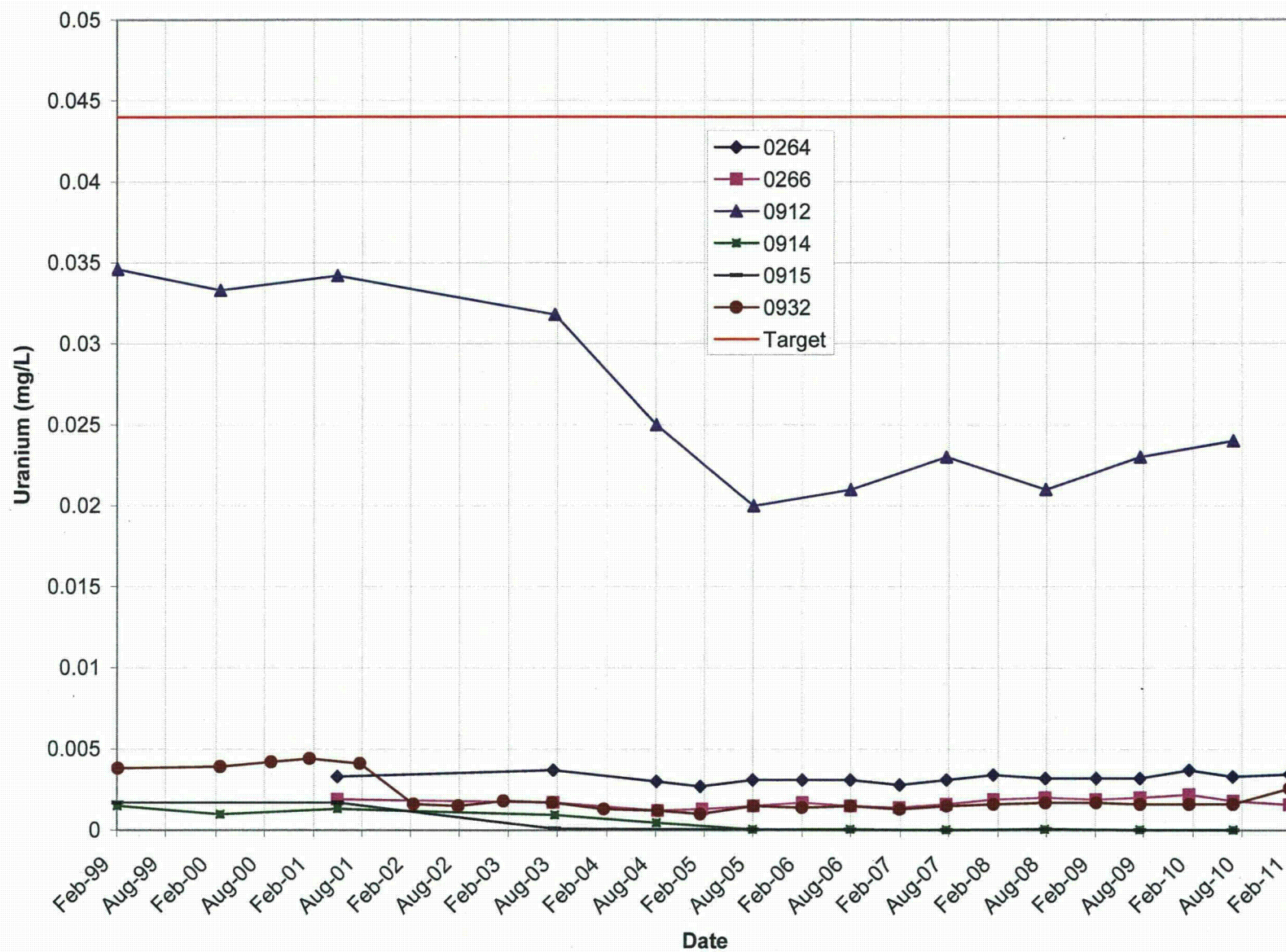


Figure E-9. Horizons C and D Monitoring Wells, Uranium Concentration

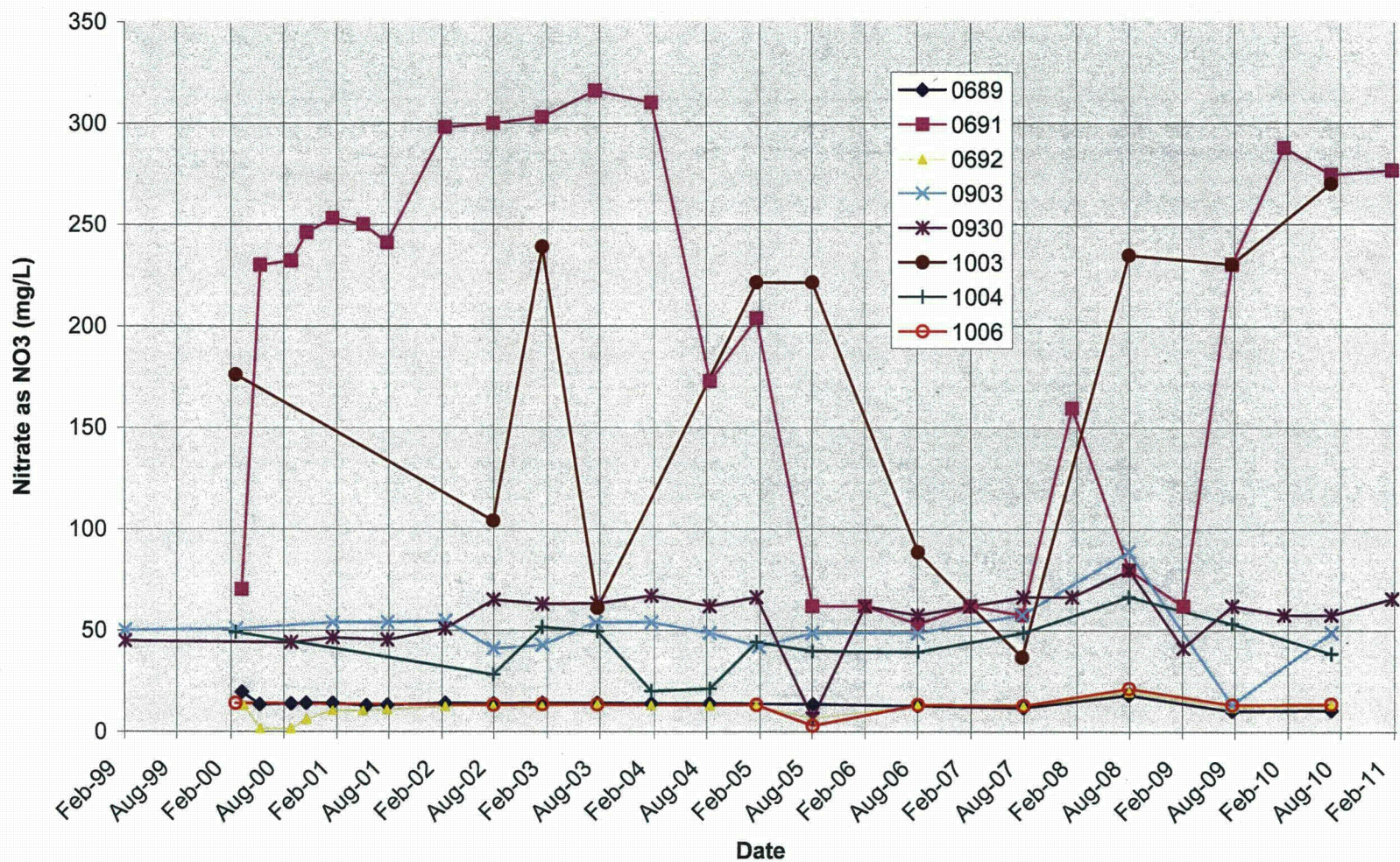


Figure E-10. Lower Terrace Monitoring Wells, Nitrate as NO₃ Concentration

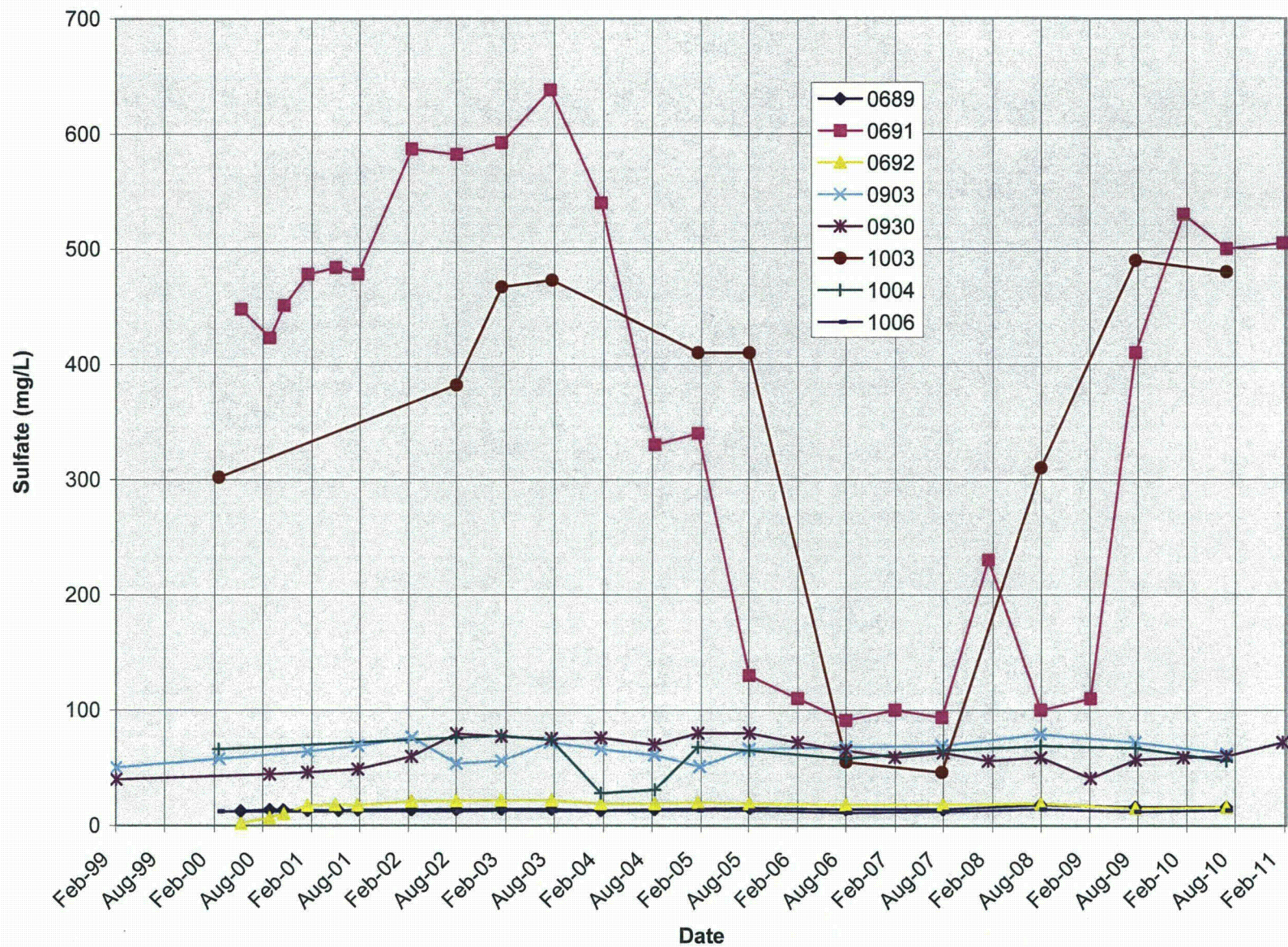


Figure E-11. Lower Terrace Monitoring Wells, Sulfate Concentration

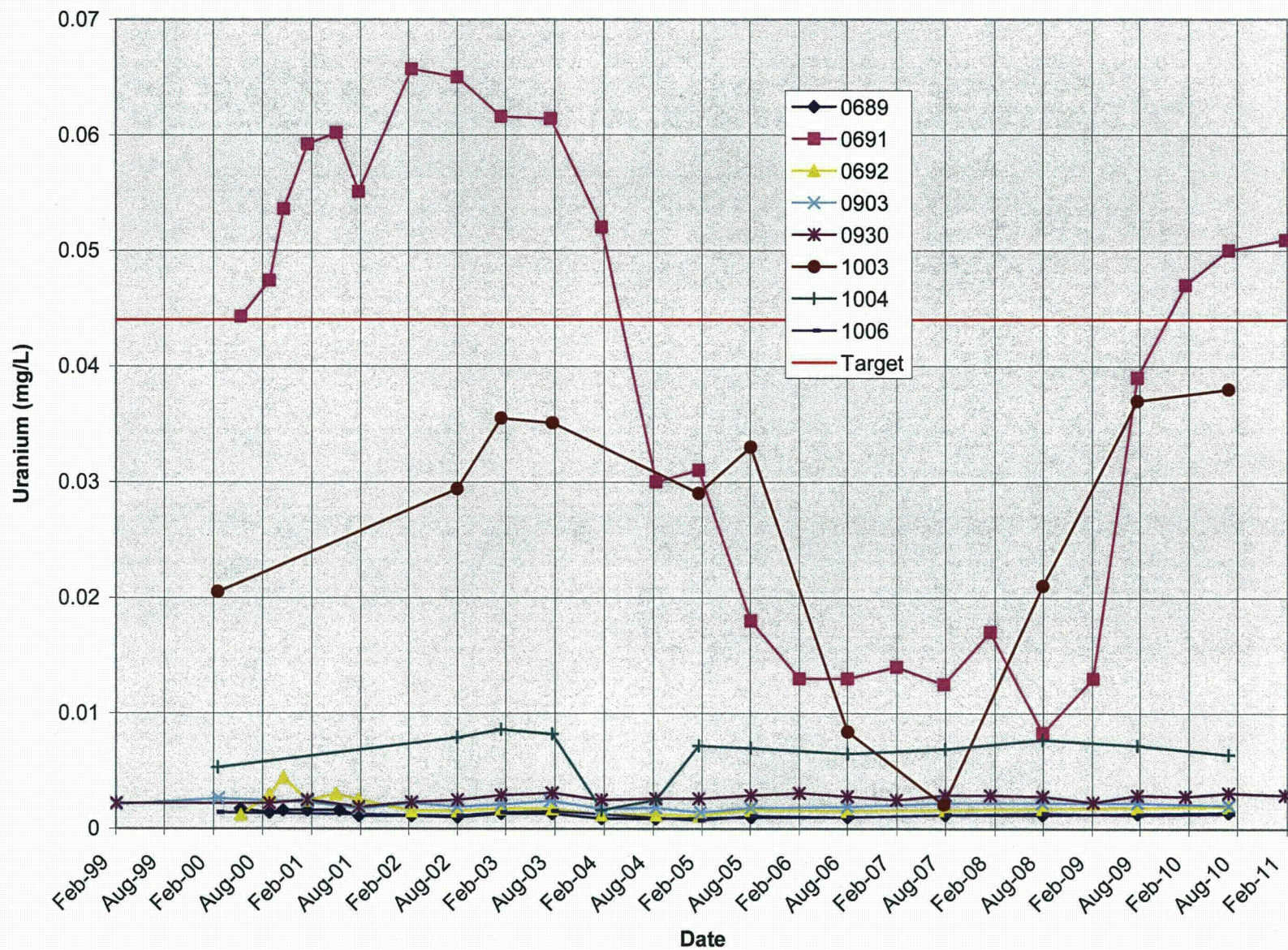


Figure E-12. Lower Terrace Monitoring Wells, Uranium Concentration

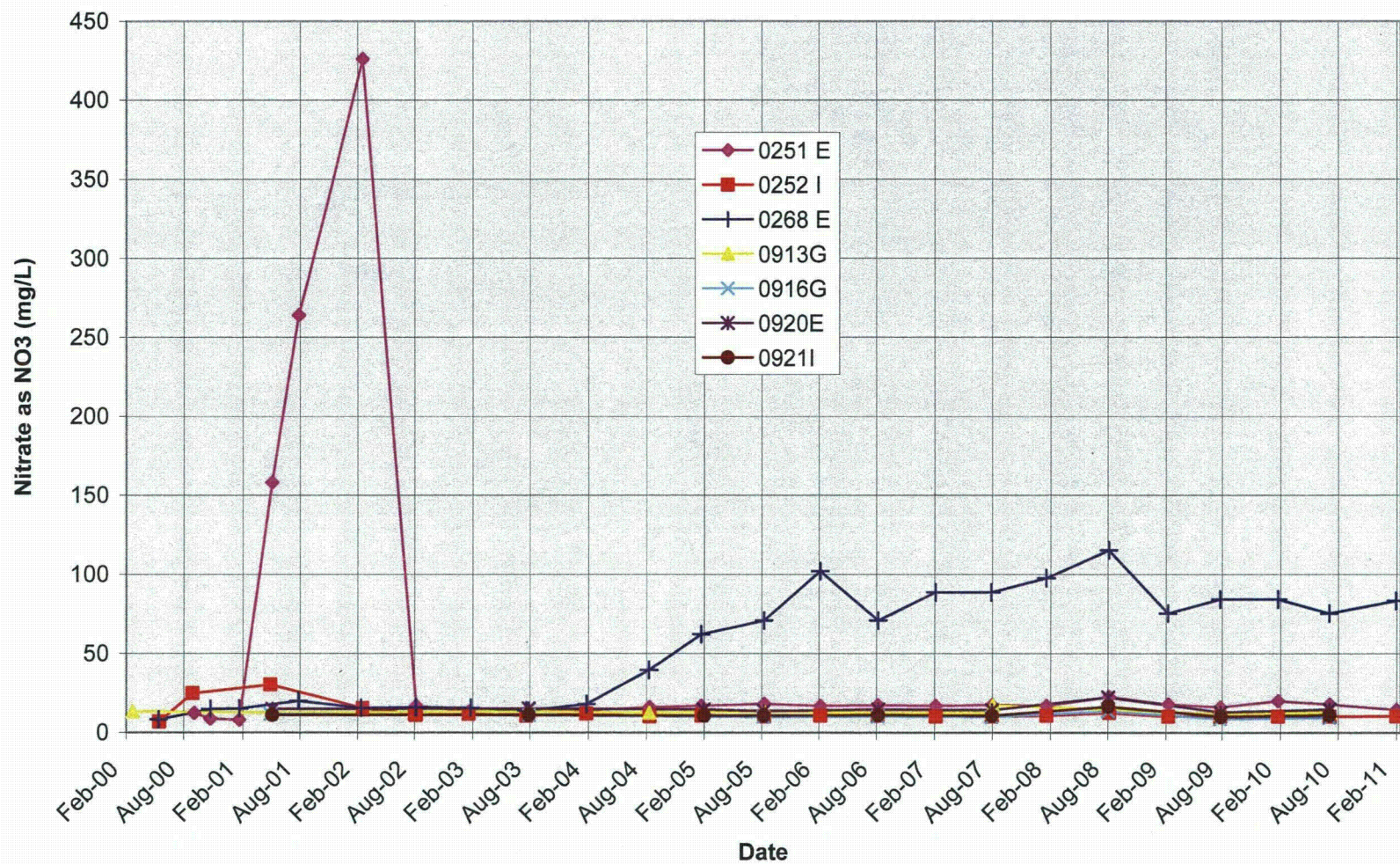


Figure E-13. Deep Monitoring Wells, Nitrate as NO₃ Concentration

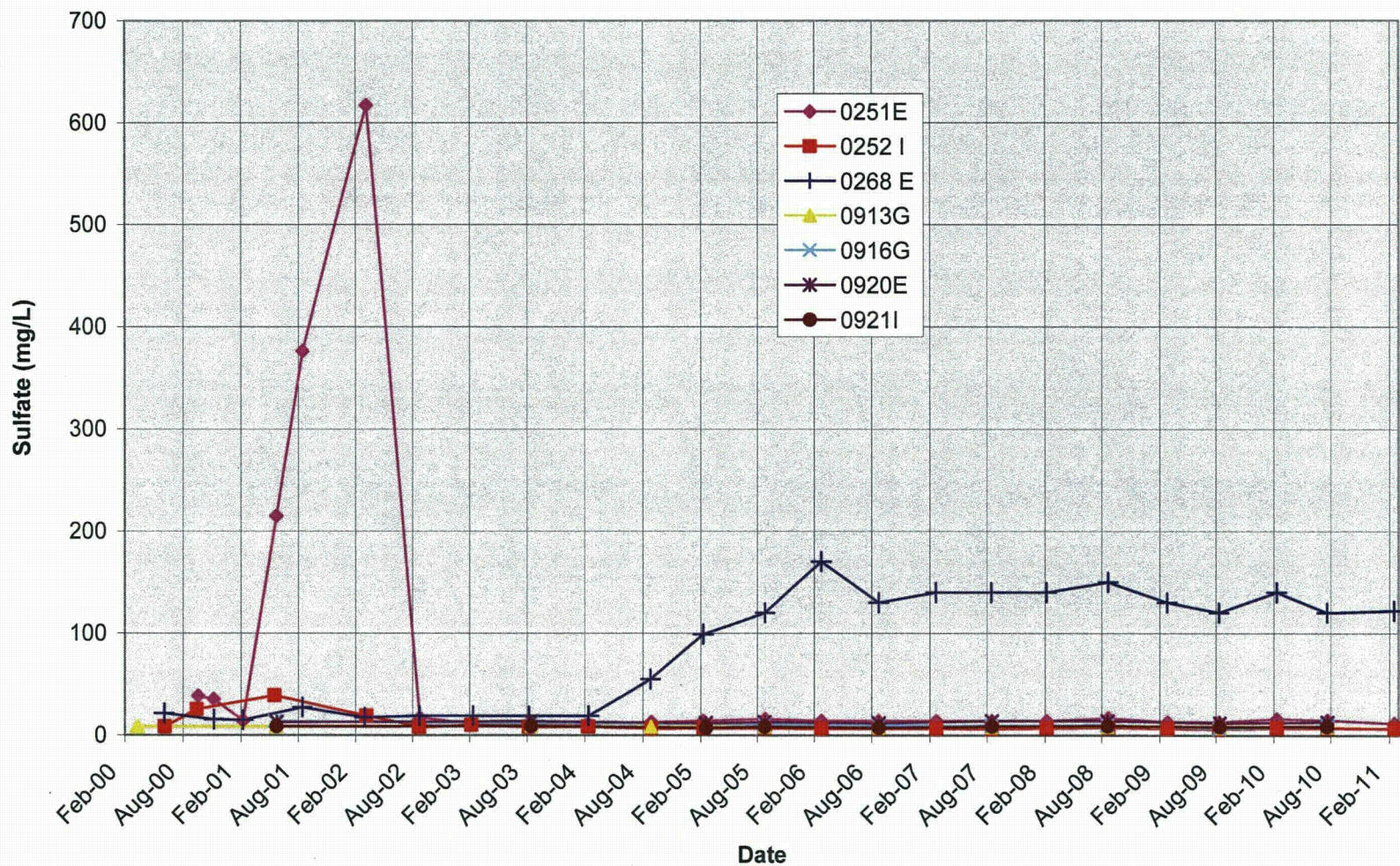


Figure E-14. Deep Monitoring Wells, Sulfate Concentration

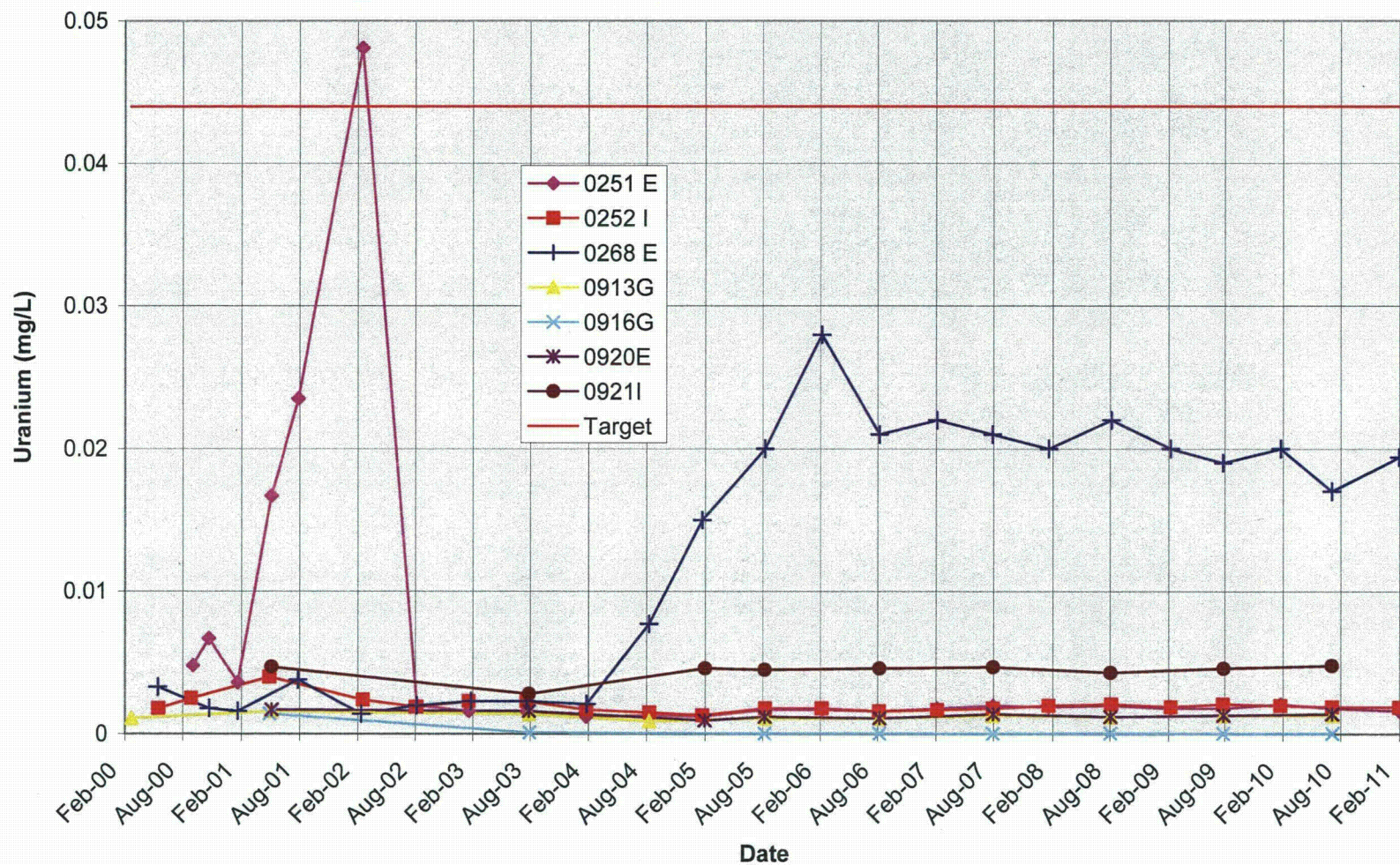


Figure E-15. Deep Monitoring Wells, Uranium Concentration

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