FSAR Section 2.4S.12
Tables and Figures

Table 2.4S.12-1 Observation Well Construction Details

Well Number[2]	Northing (ft) [3]	Easting (ft) [3]	Well Pad Elevation (ft MSL) [3]	Reference Elevation (ft MSL) [3]	Borehole Diameter (in)	Well Depth (ft bgs)	Screen Interval Depth [4]		Screen Interval Elevation [4]		Filter Pack Interval Depth	
							Top (ft bgs)	Bottom (ft bgs)	Top (ft MSL)	Bottom (ft MSL)	Top (ft bgs)	Bottom (ft bgs)
OW-306L	363196.43	2943374.36	29.87	31.78	8	97.1	86	96	-56.13	-66.13	82	97.1
OW-306U	363195.64	2943354.04	29.88	31.80	8	47.1	36	46	-6.12	-16.12	32	47.1
OW-332L [1]	363729.87	2943610.91	30.24	31.85	8	103.2	92.1	102.1	-61.86	-71.86	89	103.2
OW-332L(R)	363729.36	2943608.74	30.01	32.08	8	103.1	92	102	-61.99	-71.99	87	103.1
OW-332U	363739.21	2943591.02	30.24	32.10	8	46.1	35	45	-4.76	-14.76	31	46.1
OW-348L	362885.93	2943014.48	30.08	31.86	8	79.1	68.2	78.2	-38.12	-48.12	64	79.1
OW-348U	362885.23	2943004.44	30.51	32.29	8	39.1	28	38	2.51	-7.49	24	39.1
OW-349L	362901.84	2943602.97	29.41	31.08	8	81.1	70	80	-40.59	-50.59	65	81.1
OW-349U	362902.40	2943582.28	29.40	31.29	8	46.1	35	45	-5.60	-15.60	31	46.1
OW-408L	363196.18	2942472.54	31.75	33.76	8	81.3	70.2	80.2	-38.47	-48.47	68	81.3
OW-408U	363194.01	2942456.01	31.50	33.57	8	43.1	32	42	-0.50	-10.50	29	43.1
OW-420U	362902.15	2942018.94	32.25	33.79	8	49.1	38	48	-5.75	-15.75	34	49.1
OW-436L	363790.77	2942045.09	30.11	31.57	8	104.1	93	103	-62.89	-72.89	89	104.1
OW-436U	363792.04	2942025.17	30.53	32.18	8	41.0	30	40	0.53	-9.47	26	41
OW-910L	363363.45	2941260.45	30.75	32.48	8	92.1	81	91	-50.25	-60.25	77	92.1
OW-910U	363362.02	2941246.57	30.69	32.32	8	36.1	25	35	5.69	-4.31	21	36.1
OW-926L	364932.30	2940376.21	29.81	31.56	8	121.1	110	120	-80.19	-90.19	106	121.1
OW-926U	364933.86	2940356.48	30.02	31.69	8	39.6	28.5	38.5	1.52	-8.48	24.5	39.6
OW-929L	364671.50	2945497.78	36.93	38.63	8	98.1	87	97	-50.07	-60.07	83	98.1
OW-929U	364672.34	2945477.58	36.91	38.71	8	60.1	49	59	-12.09	-22.09	45	60.1
OW-930L	360214.45	2949526.96	26.21	27.98	8	106.5	95	105	-68.79	-78.79	91	106.5
OW-930U	360269.72	2949506.58	25.62	27.33	8	36.1	25	35	0.62	-9.38	21	36.1
OW-931U	361979.42	2939520.36	30.53	32.10	7	36.0	25	35	5.53	-4.47	21	36
OW-932L	361899.37	2942115.90	31.09	32.79	8	79.6	68.5	78.5	-37.41	-47.41	64.5	79.6
OW-932U	361898.53	2942097.29	31.35	32.83	8	39.6	28.5	38.5	2.85	-7.15	24.5	39.6
OW-933L	361898.05	2943515.61	28.74	30.45	8	87.1	76	86	-47.26	-57.26	72	87.1
OW-933U	361897.85	2943494.88	28.87	30.62	8	37.1	26	36	2.87	-7.13	23	37.1
OW-934L	362082.08	2948254.12	29.04	30.94	7	100.0	89	99	-59.96	-69.96	85	100.0
OW-934U	362079.87	2948234.20	28.54	30.39	8	41.1	30	40	-1.46	-11.46	26	41.1

Abbreviations: ft MSL = feet mean sea level, ft bgs = feet below ground surface, and in = inches

[1] Well was found to be collapsed. Drilled and installed replacement well OW-332L(R)
[2] "L" suffix wells installed in Lower Shallow Aquifer and "U" suffix wells installed in Upper Shallow Aquifer
[3] Coordinates based on the North American Datum of 1927 (NAD27) and elevations based on National Geodetic Vertical Datum of 1929 (NGVD29)
[4] Observation well screens are 2 in diameter, 0.020 in slot width, 10 ft in length

Table 2.4S.12-1 Observation Well Construction Details

Well Number[2]	Northing (ft) [3]	Easting (ft) [3]	Well Pad Elevation (ft MSL) [3]	Reference Elevation (ft MSL) [3]	Borehole Diameter (in)	Well Depth (ft bgs)	Screen Interval Depth [4]		Screen Interval Elevation [4]		Filter Pack Interval Depth	
							Top (ft bgs)	Bottom (ft bgs)	Top (ft MSL)	Bottom (ft MSL)	Top (ft bgs)	Bottom (ft bgs)
OW-308L	363196.43	2943374.36	29.87	31.78	8	97.1	86	96	-56.13	-66.13	82	97.1
OW-308U	363195.64	2943354.04	29.88	31.80	8	47.1	36	46	-6.12	-16.12	32	47.1
OW-332L[1]	363739.87	2943610.91	30.24	31.85	8	103.2	92.1	102.1	-61.86	-71.86	88	103.2
OW-332L(R)	363729.36	2943608.74	30.01	32.08	8	103.1	92	102	-61.99	-71.99	87	103.1
OW-332U	363739.21	2943591.02	30.24	32.10	8	46.1	35	45	-4.76	-14.76	31	46.1
OW-348L	362685.92	2943014.48	30.08	31.86	8	79.1	68.2	78.2	-38.12	-48.12	64	79.1
OW-348U	362685.23	2942994.44	30.51	32.28	8	39.1	28	38	2.51	-7.49	24	39.1
OW-349L	362901.84	2943602.97	29.41	31.03	8	81.1	70	80	-40.59	-50.59	65	81.1
OW-349U	362902.40	2943582.28	29.4	31.29	8	46.1	35	45	-5.6	-15.6	31	46.1
OW-408L	363196.18	2942472.54	31.73	33.76	8	81.3	70.2	80.2	-38.47	-48.47	66	81.3
OW-408U	363194.01	2942456.01	31.5	33.57	8	43.1	32	42	-0.5	-10.5	28	43.1
OW-420U	362902.15	2942018.94	32.25	33.79	8	49.1	38	48	-5.75	-15.75	34	49.1
OW-438L	363790.77	2942045.09	30.11	31.57	8	104.1	93	103	-62.89	-72.89	89	104.1
OW-438U	363792.04	2942025.17	30.53	32.18	8	41.0	30	40	0.53	-9.47	26	41
OW-910L	363363.45	2941266.45	30.75	32.48	8	92.1	81	91	-50.25	-60.25	77	92.1
OW-910U	363362.02	2941246.57	30.69	32.32	8	36.1	25	35	5.69	-4.31	21	36.1
OW-928L	364932.30	2940376.21	29.81	31.56	8	121.1	110	120	-80.19	-90.19	106	121.1
OW-928U	364933.86	2940356.48	30.02	31.69	8	39.6	28.5	38.5	1.52	-8.48	24.5	39.6
OW-929L	364671.50	2945497.78	36.93	38.63	8	98.1	87	97	-50.07	-60.07	83	98.1
OW-929U	364672.34	2945477.58	36.91	38.71	8	60.1	49	59	-12.09	-22.09	45	60.1
OW-930L	360214.45	2949525.96	26.21	27.98	8	106.5	95	105	-68.79	-78.79	91	106.5
OW-930U	360209.72	2949506.58	25.62	27.33	8	36.1	25	35	0.62	-9.38	21	36.1
OW-931U	361979.42	2939520.36	30.53	32.10	7	36.0	25	35	5.53	-4.47	21	36
OW-932L	361899.37	2942115.90	31.09	32.79	8	79.6	68.5	78.5	-37.41	-47.41	64.5	79.6
OW-932U	361898.53	2942097.29	31.35	32.83	8	39.6	28.5	38.5	2.85	-7.15	24.5	39.6

Table 2.4S.12-1 Observation Well Construction Details (continued)

Well Number[2]	Northing (ft) [3]	Easting (ft) [3]	Well Pad Elevation (ft MSL) [3]	Reference Elevation (ft MSL) [3]	Borehole Diameter (in)	Well Depth (ft bgs)	Screen Interval Depth [4]		Screen Interval Elevation [4]		Filter Pack Interval Depth	
							Top (ft bgs)	Bottom (ft bgs)	Top (ft MSL)	Bottom (ft MSL)	Top (ft bgs)	Bottom (ft bgs)
OW-933L	361898.05	2943515.01	28.74	30.45	8	87.1	76	86	-47.26	-57.26	72	87.1
OW-933U	361897.65	2943494.66	28.87	30.62	8	37.1	26	36	2.87	-7.13	23	37.1
OW-934L	362082.08	2948254.12	29.04	30.94	7	100.0	89	99	-59.96	-69.96	85	100
OW-934U	362079.87	2948234.20	28.54	30.39	8	41.1	30	40	-1.46	-11.46	26	41.1
OW-950L	360135.01	2939595.22	27.94	29.03	8	132.0	121	131	-93.06	-103.06	119	133.6
OW-950U	360120.40	2939584.26	28.04	29.33	8	42.0	31	41	-2.96	-12.96	29	43.5
OW-951L	361191.53	2941355.46	29.87	30.96	8	128.0	117	127	-87.13	-97.13	113	130
OW-951U	361188.28	2941337.00	30.05	31.39	8	30.0	19	29	11.05	1.05	17	32.6
OW-952L	361192.61	2942777.44	29.45	30.71	8	80.0	69	79	-39.55	-49.55	66	82.6
OW-952U	361194.86	2942756.10	29.39	30.38	8	45.0	34	44	-4.61	-14.61	32	47.3
OW-953L	362743.19	2944472.61	29.15	30.07	8	82.0	71	81	-41.85	-51.85	68	84.3
OW-953U	362763.23	2944471.73	28.92	29.85	8	46.0	35	45	-6.08	-16.08	33	48.3
OW-954L	366205.82	2943894.23	35.04	36.00	8	99.0	88	98	-52.96	-62.96	85.5	101
OW-954U	366226.26	2943893.54	34.93	35.76	8	46.0	35	45	-0.07	-10.07	31.6	48
OW-955L	360460.40	2947404.98	31.04	32.13	8	81.0	70	80	-38.96	-48.96	68	82.6
OW-955U	360480.39	2947416.47	31.47	32.46	8	40.0	34	39	-2.53	-7.53	28.8	42
OW-956L	362511.04	2950303.01	28.44	29.46	8	109.0	98	108	-69.56	-79.56	96	111
OW-956U	362530.03	2950299.85	28.30	29.38	8	29.0	18	28	10.30	0.30	16	31.1
OW-957L	359306.58	2949329.92	26.03	27.11	8	114.0	103	113	-76.97	-86.97	99	116
OW-957U	359317.03	2949312.63	26.04	27.15	8	34.0	23	33	3.04	-6.96	19.1	36
OW-958L	358670.38	2951490.10	25.45	26.45	8	107.9	96.9	106.9	-71.45	-81.45	95	110.3
OW-958U	358680.12	2951469.62	25.53	26.71	8	34.0	23	33	2.53	-7.47	20.5	36.5
OW-959L	358450.62	2953295.27	25.71	26.62	8	83.0	72	82	-46.29	-56.29	70	85
OW-959U	358471.62	2953293.97	25.85	26.56	8	36.0	25	35	0.85	-9.15	23	38.4
OW-960L	357243.33	2953301.59	19.57	20.62	8	102.5	91.5	101.5	-71.93	-81.93	89.5	106
OW-960U	357252.83	2953287.27	19.56	20.50	8	39.0	28	38	-8.44	-18.44	23.5	41.8
OW-961L	356174.13	2955403.42	14.40	15.45	8	105.0	94	104	-79.60	-89.60	91	107.2
OW-961U	356192.25	2955405.53	13.90	15.14	8	25.0	14	24	-0.10	-10.10	12	29.3

Table 2.4S.12-1 Observation Well Construction Details (continued)

Well Number[2]	Northing (ft) [3]	Easting (ft) [3]	Well Pad Elevation (ft MSL) [3]	Reference Elevation (ft MSL) [3]	Borehole Diameter (in)	Well Depth (ft bgs)	Screen Interval Depth [4]		Screen Interval Elevation [4]		Filter Pack Interval Depth	
							Top (ft bgs)	Bottom (ft bgs)	Top (ft MSL)	Bottom (ft MSL)	Top (ft bgs)	Bottom (ft bgs)
OW-962L	365206.43	2948585.95	32.15	33.17	8	116.0	105	115	-72.85	-82.85	103	118.1
OW-962U	365225.67	2948584.56	32.20	33.14	8	43.0	32	42	0.20	-9.80	30	45.1

Abbreviations: ft MSL = feet mean sea level, ft bgs = feet below ground surface, and in = inches.

[1] Well collapsed and was abandoned 02/07/07 following installation of replacement well OW-332L(R).

[2] "L" suffix wells installed in Lower Shallow Aquifer and "U" suffix wells installed in Upper Shallow Aquifer.

[3] Coordinates based on the North American Datum of 1927 (NAD27) and elevations based on National Geodetic Vertical Datum of 1929 (NGVD29).

[4] Observation well screens are 2 in diameter, 0.020 in slot width, 10 ft in length (except OW-955U, which is 5 ft in length).

Table 2.4S.12-7 STP 3 & 4 Area Monthly Groundwater Levels

Well ID	Well Depth	Screen Depth	Reference Point	December 28, 2006		January 30, 2007		February 22, 2007		March 29, 2007		April 27, 2007		May 25, 2007		June 27, 2007		July 30, 2007		August 30, 2007 [2]		September 26, 2007		October 30, 2007		November 19, 2007		December 17, 2007	
-	-		Elevation	Depth to Water	El.	Depth to Water	El.	Depth to Water	El.	Depth to Water	El.	Depth to Water	El.	Depth to Water	El.	Depth to Water	El.	Depth to Water	El.	Depth to Water	El.	Depth to Water	El.	Depth to Water	El.	Depth to Water	El.	Depth to Water	El.
-	(bgs)	(bgs)	(MSL)	(MSL)		(MSL)		(MSL)		(MSL)		(MSL)		(MSL)		(MSL)		(MSL)		(MSL)		(MSL)		(MSL)		(MSL)		(MSL)	
-	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
Shallow Aquifer - Upper Zone																													
OW-308 U	47.1	46	31.80	7.78	24.02	6.46	25.34	7.46	24.34	7.41	24.39	7.17	24.63	7.07	24.73	7.72	24.08	6.36	25.44	7.30	24.50	7.50	24.30	8.09	23.71	8.40	23.40	8.23	23.57
OW-332 U	46.1	45	32.10	8.01	24.09	6.57	25.53	7.46	24.64	7.39	24.71	6.25	25.85	7.09	25.01	8.05	24.05	6.50	25.60	7.40	24.70	7.65	24.45	8.43	23.67	8.60	23.50	8.60	23.50
OW-348 U	39.1	38	32.28	8.09	24.19	6.52	25.76	7.71	24.57	7.66	24.62	7.34	24.94	7.25	25.03	7.95	24.33	6.34	25.94	7.50	24.78	7.78	24.50	8.42	23.86	8.79	23.49	8.56	23.72
OW-349 U	46.1	45	31.29	7.28	24.01	5.87	25.47	6.97	24.32	6.91	24.38	6.56	24.73	6.50	24.79	7.19	24.10	5.62	25.67	6.70	24.59	6.98	24.31	7.61	23.68	7.97	23.32	7.75	23.54
OW-408 U	43.1	42	33.57	9.71	23.86	8.30	25.27	9.13	24.44	9.08	24.49	8.95	24.62	8.94	24.63	9.47	24.10	8.19	25.38	8.10	25.47	9.28	24.29	9.81	23.76	10.23	23.34	10.12	23.45
OW-420 U	49.1	48	33.79	9.98	23.81	8.42	25.37	9.32	24.47	9.26	24.53	9.08	24.71	8.99	24.80	9.59	24.20	8.23	25.56	8.22	25.57	9.45	24.34	10.15	23.64	10.48	23.31	10.33	23.46
OW-438 U	41	40	32.18	8.45	23.73	6.55	25.63	7.71	24.47	7.14	25.04	7.17	25.01	7.00	25.18	7.97	24.21	6.32	25.86	7.40	24.78	7.55	24.63	8.54	23.64	8.98	23.20	8.88	23.30
OW-910 U	36.1	35	32.32	9.11	23.21	7.57	24.75	8.30	24.02	8.23	24.09	8.10	24.22	8.00	24.32	8.49	23.83	7.53	24.79	8.40	23.92	8.50	23.82	9.29	23.03	9.52	22.80	9.41	22.91
OW-928 U	39.6	38.5	31.69	8.18	23.51	6.21	25.48	6.85	24.84	6.72	24.97	6.69	25.00	6.59	25.10	7.33	24.36	6.09	25.60	6.95	24.74	7.22	24.47	8.31	23.38	8.64	23.05	8.52	23.17
OW-929 U	60.1	59	38.71	12.92	25.79	11.33	27.38	11.68	27.03	11.75	26.96	11.77	26.94	11.81	26.90	13.17	25.54	11.22	27.49	12.15	26.56	12.20	26.51	13.73	24.98	14.73	23.98	14.19	24.52
OW-930 U	36.1	35	27.33	7.92	19.41	5.79	21.54	7.05	20.28	6.98	20.35	6.45	20.88	7.31	20.02	7.97	19.36	6.09	21.24	7.10	20.23	8.05	19.28	8.62	18.71	8.39	18.94	8.35	18.98
OW-931 U	36	35	32.10	9.82	22.28	8.81	23.29	9.43	22.67	9.34	22.76	9.19	22.91	9.25	22.85	9.33	22.77	9.00	23.10	9.30	22.80	9.60	22.50	10.14	21.96	10.13	21.97	10.00	22.10
OW-932 U	39.6	38.5	32.83	8.52	24.31	7.03	25.80	8.04	24.79	7.96	24.87	7.77	25.06	7.63	25.15	8.27	24.56	6.94	25.89	7.90	24.93	8.20	24.63	8.76	24.07	9.04	23.79	8.83	24.00
OW-933 U	37.1	36	30.62	6.44	24.18	4.97	25.65	5.95	24.67	5.91	24.71	5.57	25.05	5.50	25.12	5.87	24.75	4.61	26.01	5.40	25.22	5.80	24.82	6.42	24.20	6.78	23.84	6.60	24.02
OW-934 U	41.1	40	30.39	10.22	20.17	9.54	20.85	10.04	20.35	10.08	20.31	9.91	20.48	10.00	20.39	10.36	20.03	9.56	20.83	10.00	20.39	10.15	20.24	10.60	19.79	10.55	19.84	10.55	19.84
Shallow Aquifer - Lower Zone																													
OW-308 L	97.1	96	31.78	16.06	15.70	15.08	16.70	14.91	16.87	14.67	17.11	14.21	17.57	14.32	17.46	14.30	17.48	12.95	18.83	13.40	18.38	13.60	18.18	14.20	17.58	14.60	17.18	14.80	16.98
OW-332 L [1]	103.2	102.1	31.85	15.22	16.63																								
OW-332 L(R)	103.1	102	32.08					15.29	16.79	15.05	17.03	14.59	17.49	14.71	17.37	14.68	17.40	13.32	18.76	13.60	18.28	13.95	18.13	14.58	17.50	14.99	17.09	15.17	16.91
OW-348 L	79.1	78.2	31.86	16.16	15.70	15.08	16.78	14.94	16.92	14.71	17.15	14.29	17.57	14.40	17.46	14.36	17.50	13.05	18.81	13.50	18.36	13.65	18.21	14.25	17.61	14.67	17.19	14.87	16.99
OW-349 L	81.1	80	31.03	15.22	15.81	14.19	16.84	14.02	17.01	13.80	17.23	13.35	17.68	13.48	17.55	13.42	17.61	12.05	18.98	12.50	18.53	12.72	18.31	13.32	17.71	13.74	17.29	13.94	17.09
OW-408 L	81.3	80.2	33.76	16.05	15.71	17.05	16.71	16.86	16.90	16.64	17.12	16.20	17.56	16.32	17.44	16.28	17.48	14.96	18.80	15.40	18.36	15.58	18.18	16.17	17.59	16.58	17.18	16.77	16.99
OW-438 L	104.1	103	31.57	15.85	15.72	14.96	16.61	14.75	16.82	14.49	17.08	14.02	17.55	14.12	17.45	14.10	17.47	12.79	18.78	13.20	18.37	13.40	18.17	13.98	17.59	14.37	17.20	14.55	17.02
OW-910 L	92.1	91	32.48	16.62	15.86	15.72	16.76	15.77	16.71	15.59	16.89	15.27	17.21	15.22	17.26	15.13	17.35	14.49	17.99	14.45	18.03	14.50	17.98	14.76	17.72	14.99	17.49	15.17	17.31
OW-928 L	121.1	120	31.58	15.75	15.83	15.00	16.58	14.75	16.81	14.50	17.06	14.03	17.53	14.13	17.43	14.06	17.50	12.90	18.68	13.25	18.31	13.35	18.21	13.90	17.66	14.25	17.31	14.41	17.15
OW-929 L	98.1	97	38.63	23.47	15.16	22.41	16.22	22.26	16.37	22.00	16.63	21.51	17.12	21.70	16.93	21.67	16.96	20.18	18.45	20.75	17.88	20.95	17.68	21.63	17.00	22.04	16.59	22.21	16.42
OW-930 L	106.5	105	27.98	14.90	13.08	13.41	14.57	13.35	14.63	13.21	14.77	12.81	15.17	13.09	14.89	12.99	14.99	11.63	16.35	12.20	15.78	12.50	15.48	12.94	15.04	13.34	14.64	13.54	14.44
OW-932 L	79.6	78.5	32.79	17.23	15.56	16.01	16.78	15.90	16.89	15.73	17.06	15.35	17.44	15.48	17.31	15.38	17.41	14.14	18.65	14.55	18.24	14.75	18.04	15.27	17.52	15.70	17.09	15.91	16.88
OW-933 L	87.1	86	30.45	14.60	15.85	13.37	17.08	13.29	17.16	13.11	17.34	12.71	17.74	12.84	17.61	12.72	17.73	11.42	19.03	11.85	18.60	12.05	18.40	12.61	17.84	13.07	17.38	13.30	17.15
OW-934 L	100	99	30.94	17.07	13.87	15.83	15.11	15.73	15.21	15.51	15.43	15.09	15.85	15.33	15.61	15.23	15.71	13.78	17.16	14.40	16.54	14.65	16.29	15.23	15.71	15.03	15.31	15.82	15.12

[1] Observation well OW-332L was damaged in January of 2007, a replacement well, OW-332L(R) was installed and developed in February of 2007 prior to the February monthly water level measurements.
[2] The August 2007 depth to groundwater readings for observation wells OW-408U & OW-420U were outside the expected range and, thus, were not considered in the analysis as discussed in Subsection 2.4S.12.5.

Table 2.4S.12-7 STP 3 & 4 Area Monthly Groundwater Levels

WELL ID	WELL DEPTH	BOTTOM OF SCREEN	REFERENCE POINT ELEVATION	December 28, 2006		January 30, 2007		February 22, 2007		March 29, 2007		April 27, 2007		May 26, 2007		June 27, 2007		July 30, 2007		August 30, 2007 (2)		September 26, 2007		October 30, 2007		November 19, 2007		December 17, 2007		March 28, 2008		June 29, 2008		September 22, 2008		December 15, 2008	
	(ft bgs)	(ft bgs)	(ft)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)	Depth to Water (ft)	Elevation (ft msl)
Shallow Aquifer - Upper Zone																																					
OW-308 U	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-332 U	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-348 U	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-349 U	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-408 U	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-420 U	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-428 U	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-910 U	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-928 U	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-929 U	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-930 U	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-931 U	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-932 U	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-933 U	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-934 U	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-950 U	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-951 U	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-952 U	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-953 U	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-954 U	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-955 U	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-956 U	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-957 U	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-958 U	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-959 U	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-960 U	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-961 U	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-962 U	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
Shallow Aquifer - Lower Zone																																					
OW-308 L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-332 L (1)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																																
OW-332 L (R)	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-348 L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-349 L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-408 L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-910 L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-928 L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-929 L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-930 L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-933 L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-934 L	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OW-950 L	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-951 L	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-952 L	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-953 L	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-954 L	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-955 L	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-956 L	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-957 L	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-958 L	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-959 L	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-960 L	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-961 L	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]
OW-962 L	[illegible]	[illegible]	[illegible]																															[illegible]	[illegible]	[illegible]	[illegible]

Notes:
(1) OW-332 L was hit or broken in January 2007. The well was plugged & abandoned and a replacement well, OW-332 L (R) was installed and developed in February 2007 prior to the February 2007 monthly water level measurement round.
(2) The August 2007 depth to groundwater readings for observation wells OW-408U & OW-420U are considered to be anomalous as discussed in Subsection 2.4S.12.2.2.

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area

		Upper Well Screen [1]					Lower Well Screen [1]						Groundwater [2]			
Date	Well Pair	Ground Elevation (ft MSL)	Top (ft bgs)	Bottom (ft bgs)	Midpoint (ft bgs)	Midpoint Elevation (ft MSL)	Ground Elevation (ft MSL)	Top (ft bgs)	Bottom (ft bgs)	Midpoint (ft bgs)	Midpoint Elevation (ft MSL)	dx (ft)	Upper (ft MSL)	Lower (ft MSL)	dh (ft)	i (ft/ft)
12/28/2006	OW-308 U/L	29.88	36.0	46.0	41.0	-11.12	29.87	86.0	96.0	91.0	-61.13	50.0	24.02	15.70	8.32	0.166
1/30/2007	OW-308 U/L	29.88	36.0	46.0	41.0	-11.12	29.87	86.0	96.0	91.0	-61.13	50.0	25.34	16.78	8.64	0.173
2/22/2007	OW-308 U/L	29.88	36.0	46.0	41.0	-11.12	29.87	86.0	96.0	91.0	-61.13	50.0	24.34	16.87	7.47	0.149
3/29/2007	OW-308 U/L	29.88	36.0	46.0	41.0	-11.12	29.87	86.0	96.0	91.0	-61.13	50.0	24.39	17.11	7.28	0.146
4/27/2007	OW-308 U/L	29.88	36.0	46.0	41.0	-11.12	29.87	86.0	96.0	91.0	-61.13	50.0	24.03	17.67	7.06	0.141
5/25/2007	OW-308 U/L	29.88	36.0	46.0	41.0	-11.12	29.87	86.0	96.0	91.0	-61.13	50.0	24.73	17.46	7.27	0.145
6/27/2007	OW-308 U/L	29.88	36.0	46.0	41.0	-11.12	29.87	86.0	96.0	91.0	-61.13	50.0	24.08	17.48	6.60	0.132
7/30/2007	OW-308 U/L	29.88	36.0	46.0	41.0	-11.12	29.87	86.0	96.0	91.0	-61.13	50.0	25.44	18.83	6.61	0.132
8/30/2007	OW-308 U/L	29.88	36.0	46.0	41.0	-11.12	29.87	86.0	96.0	91.0	-61.13	50.0	24.50	18.30	6.12	0.122
9/26/2007	OW-308 U/L	29.88	36.0	46.0	41.0	-11.12	29.87	86.0	96.0	91.0	-61.13	50.0	24.30	18.18	6.12	0.122
10/30/2007	OW-308 U/L	29.88	36.0	46.0	41.0	-11.12	29.87	86.0	96.0	91.0	-61.13	50.0	23.71	17.58	6.13	0.123
11/19/2007	OW-308 U/L	29.88	36.0	46.0	41.0	-11.12	29.87	86.0	96.0	91.0	-61.13	50.0	23.40	17.18	6.22	0.124
12/17/2007	OW-308 U/L	29.88	36.0	46.0	41.0	-11.12	29.87	86.0	96.0	91.0	-61.13	50.0	23.57	16.98	6.59	0.132
12/28/2006	OW-332 U/L	30.24	35.0	45.0	40.0	-9.76	30.24	92.1	102.1	97.1	-66.86	57.1	24.09	16.03	7.46	0.131
2/22/2007	OW-332 U/L (R) [3]	30.24	35.0	45.0	40.0	-9.76	30.01	92.0	102.0	97.0	-66.99	57.2	24.04	16.79	7.85	0.137
3/28/2007	OW-332 U/L (R)	30.24	35.0	45.0	40.0	-9.76	30.01	92.0	102.0	97.0	-66.99	57.2	24.71	17.03	7.68	0.134
4/27/2007	OW-332 U/L (R)	30.24	35.0	45.0	40.0	-9.76	30.01	92.0	102.0	97.0	-66.99	57.2	25.85	17.49	8.36	0.146
5/25/2007	OW-332 U/L (R)	30.24	35.0	45.0	40.0	-9.76	30.01	92.0	102.0	97.0	-66.99	57.2	25.01	17.37	7.64	0.133
6/27/2007	OW-332 U/L (R)	30.24	35.0	45.0	40.0	-9.76	30.01	92.0	102.0	97.0	-66.99	57.2	24.05	17.40	6.65	0.116
7/30/2007	OW-332 U/L (R)	30.24	35.0	45.0	40.0	-9.76	30.01	92.0	102.0	97.0	-66.99	57.2	25.80	18.76	6.84	0.120
8/30/2007	OW-332 U/L (R)	30.24	35.0	45.0	40.0	-9.76	30.01	92.0	102.0	97.0	-66.99	57.2	24.70	18.28	6.42	0.112
9/26/2007	OW-332 U/L (R)	30.24	35.0	45.0	40.0	-9.76	30.01	92.0	102.0	97.0	-66.99	57.2	24.45	18.13	6.32	0.110
10/30/2007	OW-332 U/L (R)	30.24	35.0	45.0	40.0	-9.76	30.01	92.0	102.0	97.0	-66.99	57.2	23.67	17.50	6.17	0.108
11/19/2007	OW-332 U/L (R)	30.24	35.0	45.0	40.0	-9.76	30.01	92.0	102.0	97.0	-66.99	57.2	23.30	17.09	6.21	0.108
12/17/2007	OW-332 U/L (R)	30.24	35.0	45.0	40.0	-9.76	30.01	92.0	102.0	97.0	-66.99	57.2	23.50	16.01	6.50	0.115
12/28/2006	OW-348 U/L	30.51	28.0	38.0	33.0	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	24.19	15.70	8.49	0.209
1/30/2007	OW-348 U/L	30.51	28.0	38.0	33.0	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	25.76	16.78	8.98	0.221
2/22/2007	OW-348 U/L	30.51	28.0	38.0	33.0	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	24.57	16.92	7.65	0.188
3/29/2007	OW-348 U/L	30.51	28.0	38.0	33.0	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	24.62	17.15	7.47	0.184
4/27/2007	OW-348 U/L	30.51	28.0	38.0	33.0	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	24.34	17.67	7.37	0.181
5/25/2007	OW-348 U/L	30.51	28.0	38.0	33.0	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	25.03	17.46	7.57	0.186
6/27/2007	OW-348 U/L	30.51	28.0	38.0	33.0	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	24.33	17.50	6.83	0.168

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area (Continued)

Date	Well Pair	Upper Well Screen [1]					Lower Well Screen [1]					dx (ft)	Groundwater [2]		dh (ft)	i (ft/ft)
		Ground Elevation (ft MSL)	Top (ft bgs)	Bottom (ft bgs)	Midpoint (ft bgs)	Midpoint Elevation (ft MSL)	Ground Elevation (ft MSL)	Top (ft bgs)	Bottom (ft bgs)	Midpoint (ft bgs)	Midpoint Elevation (ft MSL)		Upper (ft MSL)	Lower (ft MSL)		
7/30/2007	OW-348 U/L	30.51	28.0	38.0	33.0	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	25.94	18.81	7.13	0.175
8/30/2007	OW-348 U/L	30.51	28.0	38.0	33.0	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	24.78	18.36	6.42	0.158
9/26/2007	OW-348 U/L	30.51	28.0	38.0	33.0	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	24.50	18.21	6.29	0.155
10/30/2007	OW-348 U/L	30.51	28.0	38.0	33.0	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	23.86	17.61	6.25	0.154
11/19/2007	OW-348 U/L	30.51	28.0	38.0	33.0	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	23.49	17.19	6.30	0.155
12/17/2007	OW-348 U/L	30.51	28.0	38.0	33.0	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	23.72	16.89	6.83	0.168
12/28/2006	OW-349 U/L	29.40	35.0	45.0	40.0	-10.6	29.41	70.0	80.0	75.0	-45.59	35.0	24.01	15.81	8.20	0.234
1/30/2007	OW-349 U/L	29.40	35.0	45.0	40.0	-10.6	29.41	70.0	80.0	75.0	-45.59	35.0	25.47	16.84	8.63	0.247
2/22/2007	OW-349 U/L	29.40	35.0	45.0	40.0	-10.6	29.41	70.0	80.0	75.0	-45.59	35.0	24.32	17.01	7.31	0.209
3/29/2007	OW-349 U/L	29.40	35.0	45.0	40.0	-10.6	29.41	70.0	80.0	75.0	-45.59	35.0	24.32	17.23	7.15	0.204
4/27/2007	OW-349 U/L	29.40	35.0	45.0	40.0	-10.6	29.41	70.0	80.0	75.0	-45.59	35.0	24.73	17.68	7.05	0.201
5/25/2007	OW-349 U/L	29.40	35.0	45.0	40.0	-10.6	29.41	70.0	80.0	75.0	-45.59	35.0	24.79	17.55	7.24	0.207
6/27/2007	OW-349 U/L	29.40	35.0	45.0	40.0	-10.6	29.41	70.0	80.0	75.0	-45.59	35.0	24.10	17.61	6.49	0.185
7/30/2007	OW-349 U/L	29.40	35.0	45.0	40.0	-10.6	29.41	70.0	80.0	75.0	-45.59	35.0	25.67	18.98	6.69	0.191
8/30/2007	OW-349 U/L	29.40	35.0	45.0	40.0	-10.6	29.41	70.0	80.0	75.0	-45.59	35.0	24.59	18.52	6.08	0.173
9/26/2007	OW-349 U/L	29.40	35.0	45.0	40.0	-10.6	29.41	70.0	80.0	75.0	-45.59	35.0	24.31	18.31	6.00	0.171
10/30/2007	OW-349 U/L	29.40	35.0	45.0	40.0	-10.6	29.41	70.0	80.0	75.0	-45.59	35.0	23.68	17.71	5.97	0.171
11/19/2007	OW-349 U/L	29.40	35.0	45.0	40.0	-10.6	29.41	70.0	80.0	75.0	-45.59	35.0	23.32	17.29	6.03	0.172
12/17/2007	OW-349 U/L	29.40	35.0	45.0	40.0	-10.6	29.41	70.0	80.0	75.0	-45.59	35.0	23.54	17.09	6.45	0.184
12/28/2006	OW-408 U/L	31.50	32.0	42.0	37.0	-5.5	31.73	70.2	80.2	75.2	-43.47	38.0	23.86	15.71	8.15	0.215
1/30/2007	OW-408 U/L	31.50	32.0	42.0	37.0	-5.5	31.73	70.2	80.2	75.2	-43.47	38.0	25.27	16.71	8.56	0.225
2/27/2007	OW-408 U/L	31.50	32.0	42.0	37.0	-5.5	31.73	70.2	80.2	75.2	-43.47	38.0	24.44	16.90	7.54	0.199
3/29/2007	OW-408 U/L	31.50	32.0	42.0	37.0	-5.5	31.73	70.2	80.2	75.2	-43.47	38.0	24.40	17.12	7.37	0.194
4/27/2007	OW-408 U/L	31.50	32.0	42.0	37.0	-5.5	31.73	70.2	80.2	75.2	-43.47	38.0	24.62	17.56	7.06	0.186
5/25/2007	OW-408 U/L	31.50	32.0	42.0	37.0	-5.5	31.73	70.2	80.2	75.2	-43.47	38.0	24.63	17.44	7.19	0.189
6/27/2007	OW-408 U/L	31.50	32.0	42.0	37.0	-5.5	31.73	70.2	80.2	75.2	-43.47	38.0	24.10	17.48	6.62	0.174
7/30/2007	OW-408 U/L	31.50	32.0	42.0	37.0	-5.5	31.73	70.2	80.2	75.2	-43.47	38.0	25.36	18.80	6.58	0.173
8/30/2007	OW-408 U/L	31.50	32.0	42.0	37.0	-5.5	31.73	70.2	80.2	75.2	-43.47	38.0	27.47	18.36	9.11	0.240
9/26/2007	OW-408 U/L	31.50	32.0	42.0	37.0	-5.5	31.73	70.2	80.2	75.2	-43.47	38.0	24.29	18.18	6.11	0.161
10/30/2007	OW-408 U/L	31.50	32.0	42.0	37.0	-5.5	31.73	70.2	80.2	75.2	-43.47	38.0	23.78	17.59	6.19	0.162
11/19/2007	OW-408 U/L	31.50	32.0	42.0	37.0	-5.5	31.73	70.2	80.2	75.2	-43.47	38.0	23.34	17.18	6.16	0.162
12/17/2007	OW-408 U/L	31.50	32.0	42.0	37.0	-5.5	31.73	70.2	80.2	75.2	-43.47	38.0	23.45	16.99	6.46	0.170

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area (Continued)

		Upper Well Screen [1]					Lower Well Screen [1]						Groundwater [2]			
Date	Well Pair	Ground Elevation (ft MSL)	Top (ft bgs)	Bottom (ft bgs)	Midpoint (ft bgs)	Midpoint Elevation (ft MSL)	Ground Elevation (ft MSL)	Top (ft bgs)	Bottom (ft bgs)	Midpoint (ft bgs)	Midpoint Elevation (ft MSL)	dx (ft)	Upper (ft MSL)	Lower (ft MSL)	dh (ft)	i (ft/ft)
12/28/2006	OW-438 U/L	30.53	30.0	40.0	35.0	-4.47	30.11	93.0	103.0	98.0	-67.89	63.4	23.73	15.72	8.01	0.126
1/30/2007	OW-438 U/L	30.53	30.0	40.0	35.0	-4.47	30.11	93.0	103.0	98.0	-67.89	63.4	25.63	16.62	9.02	0.142
2/22/2007	OW-438 U/L	30.53	30.0	40.0	35.0	-4.47	30.11	93.0	103.0	98.0	-67.89	63.4	24.97	16.82	8.15	0.129
3/29/2007	OW-438 U/L	30.53	30.0	40.0	35.0	-4.47	30.11	93.0	103.0	98.0	-67.89	63.4	25.04	17.08	7.96	0.126
4/27/2007	OW-438 U/L	30.53	30.0	40.0	35.0	-4.47	30.11	93.0	103.0	98.0	-67.89	63.4	25.01	17.55	7.46	0.118
5/25/2007	OW-438 U/L	30.53	30.0	40.0	35.0	-4.47	30.11	93.0	103.0	98.0	-67.89	63.4	25.18	17.45	7.73	0.122
6/27/2007	OW-438 U/L	30.53	30.0	40.0	35.0	-4.47	30.11	93.0	103.0	98.0	-67.89	63.4	24.21	17.47	6.74	0.106
7/30/2007	OW-438 U/L	30.53	30.0	40.0	35.0	-4.47	30.11	93.0	103.0	98.0	-67.89	63.4	25.86	18.78	7.08	0.112
8/30/2007	OW-438 U/L	30.53	30.0	40.0	35.0	-4.47	30.11	93.0	103.0	98.0	-67.89	63.4	24.78	18.37	6.41	0.101
9/26/2007	OW-438 U/L	30.53	30.0	40.0	35.0	-4.47	30.11	93.0	103.0	98.0	-67.89	63.4	24.63	18.17	6.46	0.102
10/30/2007	OW-438 U/L	30.53	30.0	40.0	35.0	-4.47	30.11	93.0	103.0	98.0	-67.89	63.4	23.64	17.59	6.05	0.095
11/19/2007	OW-438 U/L	30.53	30.0	40.0	35.0	-4.47	30.11	93.0	103.0	98.0	-67.89	63.4	23.20	17.20	6.00	0.095
12/17/2007	OW-438 U/L	30.53	30.0	40.0	35.0	-4.47	30.11	93.0	103.0	98.0	-67.89	63.4	23.30	17.02	6.28	0.099
12/28/2006	OW-910 U/L	30.69	25.0	35.0	30.0	0.69	30.75	81.0	91.0	86.0	-55.25	55.9	23.31	15.82	7.55	0.131
1/30/2007	OW-910 U/L	30.69	25.0	35.0	30.0	0.69	30.75	81.0	91.0	86.0	-55.25	55.9	24.75	16.26	8.49	0.152
2/22/2007	OW-910 U/L	30.69	25.0	35.0	30.0	0.69	30.75	81.0	91.0	86.0	-55.25	55.9	24.02	16.71	7.31	0.131
3/29/2007	OW-910 U/L	30.69	25.0	35.0	30.0	0.69	30.75	81.0	91.0	86.0	-55.25	55.9	24.09	16.89	7.20	0.129
4/27/2007	OW-910 U/L	30.69	25.0	35.0	30.0	0.69	30.75	81.0	91.0	86.0	-55.25	55.9	24.22	17.21	7.01	0.125
5/25/2007	OW-910 U/L	30.69	25.0	35.0	30.0	0.69	30.75	81.0	91.0	86.0	-55.25	55.9	24.32	17.26	7.06	0.126
6/27/2007	OW-910 U/L	30.69	25.0	35.0	30.0	0.69	30.75	81.0	91.0	86.0	-55.25	55.9	23.83	17.35	6.48	0.116
7/30/2007	OW-910 U/L	30.69	25.0	35.0	30.0	0.69	30.75	81.0	91.0	86.0	-55.25	55.9	24.79	17.99	6.80	0.122
8/30/2007	OW-910 U/L	30.69	25.0	35.0	30.0	0.69	30.75	81.0	91.0	86.0	-55.25	55.9	23.92	18.03	5.89	0.105
9/26/2007	OW-910 U/L	30.69	25.0	35.0	30.0	0.69	30.75	81.0	91.0	86.0	-55.25	55.9	23.82	17.98	5.84	0.104
10/30/2007	OW-910 U/L	30.69	25.0	35.0	30.0	0.69	30.75	81.0	91.0	86.0	-55.25	55.9	23.03	17.72	5.31	0.095
11/19/2007	OW-910 U/L	30.69	25.0	35.0	30.0	0.69	30.75	81.0	91.0	86.0	-55.25	55.9	22.80	17.49	5.31	0.095
12/17/2007	OW-910 U/L	30.69	25.0	35.0	30.0	0.69	30.75	81.0	91.0	86.0	-55.25	55.9	22.91	17.31	5.60	0.100
12/28/2006	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110.0	120.0	115.0	-85.19	81.7	23.61	15.81	7.79	0.094
1/30/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110.0	120.0	115.0	-85.19	81.7	25.48	16.56	8.92	0.109
2/22/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110.0	120.0	115.0	-85.19	81.7	24.84	16.81	8.03	0.098
3/29/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110.0	120.0	115.0	-85.19	81.7	24.97	17.06	7.91	0.097
4/27/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110.0	120.0	115.0	-85.19	81.7	25.00	17.53	7.47	0.091
5/25/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110.0	120.0	115.0	-85.19	81.7	25.10	17.43	7.67	0.094
6/27/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110.0	120.0	115.0	-85.19	81.7	24.35	17.50	6.85	0.084

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area (Continued)

Date	Well Pair	Upper Well Screen [1]					Lower Well Screen [1]					dx (ft)	Groundwater [2]		dh (ft)	i (ft/ft)
		Ground Elevation (ft MSL)	Top (ft bgs)	Bottom (ft bgs)	Midpoint (ft bgs)	Midpoint Elevation (ft MSL)	Ground Elevation (ft MSL)	Top (ft bgs)	Bottom (ft bgs)	Midpoint (ft bgs)	Midpoint Elevation (ft MSL)		Upper (ft MSL)	Lower (ft MSL)		
7/30/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110.0	120.0	115.0	-85.19	81.7	25.80	18.88	6.94	0.085
8/30/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110.0	120.0	115.0	-85.19	81.7	24.74	18.31	6.43	0.079
9/26/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110.0	120.0	115.0	-85.19	81.7	24.47	18.21	6.26	0.077
10/30/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110.0	120.0	115.0	-85.19	81.7	23.38	17.66	5.72	0.070
11/19/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110.0	120.0	115.0	-85.19	81.7	23.05	17.31	5.74	0.070
12/17/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110.0	120.0	115.0	-85.19	81.7	23.17	17.15	6.02	0.074
12/28/2006	OW-929 U/L	38.91	49.0	59.0	54.0	-17.09	36.93	87.0	97.0	92.0	-55.07	38.0	25.79	15.18	10.61	0.280
1/30/2007	OW-929 U/L	38.91	49.0	59.0	54.0	-17.09	36.93	87.0	97.0	92.0	-55.07	38.0	27.38	16.22	11.16	0.294
2/22/2007	OW-929 U/L	38.91	49.0	59.0	54.0	-17.09	36.93	87.0	97.0	92.0	-55.07	38.0	27.03	16.37	10.66	0.281
3/29/2007	OW-929 U/L	38.91	49.0	59.0	54.0	-17.09	36.93	87.0	97.0	92.0	-55.07	38.0	26.96	16.63	10.33	0.272
4/27/2007	OW-929 U/L	38.91	49.0	59.0	54.0	-17.09	36.93	87.0	97.0	92.0	-55.07	38.0	26.94	17.12	9.82	0.259
5/25/2007	OW-929 U/L	38.91	49.0	59.0	54.0	-17.09	36.93	87.0	97.0	92.0	-55.07	38.0	26.00	16.93	9.07	0.263
6/27/2007	OW-929 U/L	38.91	49.0	59.0	54.0	-17.09	36.93	87.0	97.0	92.0	-55.07	38.0	25.54	16.96	8.58	0.226
7/30/2007	OW-929 U/L	38.91	49.0	59.0	54.0	-17.09	36.93	87.0	97.0	92.0	-55.07	38.0	27.49	18.45	9.04	0.238
8/30/2007	OW-929 U/L	38.91	49.0	59.0	54.0	-17.09	36.93	87.0	97.0	92.0	-55.07	38.0	26.56	17.88	8.68	0.229
9/26/2007	OW-929 U/L	38.91	49.0	59.0	54.0	-17.09	36.93	87.0	97.0	92.0	-55.07	38.0	26.51	17.68	8.83	0.232
10/30/2007	OW-929 U/L	38.91	49.0	59.0	54.0	-17.09	36.93	87.0	97.0	92.0	-55.07	38.0	24.98	17.00	7.98	0.210
11/19/2007	OW-929 U/L	38.91	49.0	59.0	54.0	-17.09	36.93	87.0	97.0	92.0	-55.07	38.0	23.88	16.59	7.30	0.195
12/17/2007	OW-929 U/L	38.91	49.0	59.0	54.0	-17.09	36.93	87.0	97.0	92.0	-55.07	38.0	24.52	16.42	8.10	0.213
12/28/2006	OW-930 U/L	25.62	25.0	35.0	30.0	-4.38	26.21	95.0	105.0	100.0	-73.79	69.4	19.41	13.08	6.33	0.091
1/30/2007	OW-930 U/L	25.62	25.0	35.0	30.0	-4.38	26.21	95.0	105.0	100.0	-73.79	69.4	21.54	14.57	6.97	0.100
2/22/2007	OW-930 U/L	25.62	25.0	35.0	30.0	-4.38	26.21	95.0	105.0	100.0	-73.79	69.4	20.28	14.63	5.65	0.081
3/29/2007	OW-930 U/L	25.62	25.0	35.0	30.0	-4.38	26.21	95.0	105.0	100.0	-73.79	69.4	20.25	14.77	5.48	0.079
4/27/2007	OW-930 U/L	25.62	25.0	35.0	30.0	-4.38	26.21	95.0	105.0	100.0	-73.79	69.4	20.88	15.17	5.71	0.082
5/25/2007	OW-930 U/L	25.62	25.0	35.0	30.0	-4.38	26.21	95.0	105.0	100.0	-73.79	69.4	20.02	14.89	5.13	0.074
6/27/2007	OW-930 U/L	25.62	25.0	35.0	30.0	-4.38	26.21	95.0	105.0	100.0	-73.79	69.4	19.38	14.99	4.37	0.063
7/30/2007	OW-930 U/L	25.62	25.0	35.0	30.0	-4.38	26.21	95.0	105.0	100.0	-73.79	69.4	21.24	16.35	4.89	0.070
8/30/2007	OW-930 U/L	25.62	25.0	35.0	30.0	-4.38	26.21	95.0	105.0	100.0	-73.79	69.4	20.23	15.78	4.45	0.064
9/26/2007	OW-930 U/L	25.62	25.0	35.0	30.0	-4.38	26.21	95.0	105.0	100.0	-73.79	69.4	19.28	15.48	3.80	0.055
10/30/2007	OW-930 U/L	25.62	25.0	35.0	30.0	-4.38	26.21	95.0	105.0	100.0	-73.79	69.4	18.71	15.04	3.67	0.053
11/19/2007	OW-930 U/L	25.62	25.0	35.0	30.0	-4.38	26.21	95.0	105.0	100.0	-73.79	69.4	18.94	14.64	4.30	0.062
12/17/2007	OW-930 U/L	25.62	25.0	35.0	30.0	-4.38	26.21	95.0	105.0	100.0	-73.79	69.4	18.88	14.44	4.54	0.065

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area (Continued)

Date	Well Pair	Upper Well Screen [1]					Lower Well Screen [1]					dx (ft)	Groundwater [2]		dh (ft)	i (ft/ft)
		Ground Elevation (ft MSL)	Top (ft bgs)	Bottom (ft bgs)	Midpoint (ft bgs)	Midpoint Elevation (ft MSL)	Ground Elevation (ft MSL)	Top (ft bgs)	Bottom (ft bgs)	Midpoint (ft bgs)	Midpoint Elevation (ft MSL)		Upper (ft MSL)	Lower (ft MSL)		
12/28/2006	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.02	68.5	78.5	73.5	-42.41	40.3	24.31	15.56	8.75	0.217
1/30/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	25.80	16.78	9.02	0.224
2/22/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.79	16.89	7.90	0.196
3/29/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.87	17.06	7.81	0.194
4/27/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	25.06	17.44	7.62	0.189
5/25/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	25.15	17.31	7.84	0.195
6/27/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.56	17.41	7.15	0.178
7/30/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	25.89	18.65	7.24	0.180
8/30/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.93	18.34	6.59	0.164
9/26/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.63	18.04	6.59	0.164
10/30/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.07	17.52	6.55	0.163
11/19/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	23.79	17.09	6.70	0.166
12/17/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.00	18.88	7.12	0.177
12/28/2006	OW-933 U/L	28.87	26.0	36.0	31.0	-2.13	28.74	76.0	86.0	81.0	-52.26	50.1	24.18	15.85	8.33	0.166
1/30/2007	OW-933 U/L	28.87	26.0	36.0	31.0	-2.13	28.74	76.0	86.0	81.0	-52.26	50.1	25.65	17.08	8.57	0.171
2/22/2007	OW-933 U/L	28.87	26.0	36.0	31.0	-2.13	28.74	76.0	86.0	81.0	-52.26	50.1	24.67	17.16	7.51	0.150
3/29/2007	OW-933 U/L	28.87	26.0	36.0	31.0	-2.13	28.74	76.0	86.0	81.0	-52.26	50.1	24.71	17.34	7.37	0.147
4/27/2007	OW-933 U/L	28.87	26.0	36.0	31.0	-2.13	28.74	76.0	86.0	81.0	-52.26	50.1	25.05	17.74	7.31	0.146
5/25/2007	OW-933 U/L	28.87	26.0	36.0	31.0	-2.13	28.74	76.0	86.0	81.0	-52.26	50.1	25.12	17.61	7.51	0.150
6/27/2007	OW-933 U/L	28.87	26.0	36.0	31.0	-2.13	28.74	76.0	86.0	81.0	-52.26	50.1	24.75	17.73	7.02	0.140
7/30/2007	OW-933 U/L	28.87	26.0	36.0	31.0	-2.13	28.74	76.0	86.0	81.0	-52.26	50.1	26.01	19.03	6.98	0.139
8/30/2007	OW-933 U/L	28.87	26.0	36.0	31.0	-2.13	28.74	76.0	86.0	81.0	-52.26	50.1	25.22	18.60	6.62	0.132
9/26/2007	OW-933 U/L	28.87	26.0	36.0	31.0	-2.13	28.74	76.0	86.0	81.0	-52.26	50.1	24.82	18.40	6.42	0.128
10/30/2007	OW-933 U/L	28.87	26.0	36.0	31.0	-2.13	28.74	76.0	86.0	81.0	-52.26	50.1	24.20	17.84	6.36	0.127
11/19/2007	OW-933 U/L	28.87	26.0	36.0	31.0	-2.13	28.74	76.0	86.0	81.0	-52.26	50.1	23.84	17.38	6.46	0.129
12/17/2007	OW-933 U/L	28.87	26.0	36.0	31.0	-2.13	28.74	76.0	86.0	81.0	-52.26	50.1	24.02	17.15	6.87	0.137
12/28/2006	OW-934 U/L	28.54	30.0	40.0	35.0	-6.46	29.04	89.0	99.0	94.0	-64.96	58.5	20.97	13.87	6.90	0.118
1/30/2007	OW-934 U/L	28.54	30.0	40.0	35.0	-6.46	29.04	89.0	99.0	94.0	-64.96	58.5	20.65	15.11	5.74	0.098
2/22/2007	OW-934 U/L	28.54	30.0	40.0	35.0	-6.46	29.04	89.0	99.0	94.0	-64.96	58.5	20.35	15.21	5.14	0.088
3/29/2007	OW-934 U/L	28.54	30.0	40.0	35.0	-6.46	29.04	89.0	99.0	94.0	-64.96	58.5	20.31	15.43	4.88	0.083
4/27/2007	OW-934 U/L	28.54	30.0	40.0	35.0	-6.46	29.04	89.0	99.0	94.0	-64.96	58.5	20.46	15.85	4.61	0.079
5/25/2007	OW-934 U/L	28.54	30.0	40.0	35.0	-6.46	29.04	89.0	99.0	94.0	-64.96	58.5	20.39	15.61	4.78	0.082
6/27/2007	OW-934 U/L	28.54	30.0	40.0	35.0	-6.46	29.04	89.0	99.0	94.0	-64.96	58.5	20.03	15.71	4.32	0.074

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area (Continued)

		Upper Well Screen [1]					Lower Well Screen [1]						Groundwater [2]			
Date	Well Pair	Ground Elevation (ft MSL)	Top (ft bgs)	Bottom (ft bgs)	Midpoint (ft bgs)	Midpoint Elevation (ft MSL)	Ground Elevation (ft MSL)	Top (ft bgs)	Bottom (ft bgs)	Midpoint (ft bgs)	Midpoint Elevation (ft MSL)	dx (ft)	Upper (ft MSL)	Lower (ft MSL)	dh (ft)	i (ft/ft)
7/20/2007	OW-934 U/L	28.54	30.0	40.0	35.0	-6.46	29.04	89.0	99.0	94.0	-64.96	58.5	20.83	17.18	3.67	0.063
8/30/2007	OW-934 U/L	28.54	30.0	40.0	35.0	-6.46	29.04	89.0	99.0	94.0	-64.96	58.5	20.39	16.54	3.85	0.066
9/26/2007	OW-934 U/L	28.54	30.0	40.0	35.0	-6.46	29.04	89.0	99.0	94.0	-64.96	58.5	20.24	16.29	3.95	0.068
10/30/2007	OW-934 U/L	28.54	30.0	40.0	35.0	-6.46	29.04	89.0	99.0	94.0	-64.96	58.5	19.78	15.71	4.08	0.070
11/19/2007	OW-934 U/L	28.54	30.0	40.0	35.0	-6.46	29.04	89.0	99.0	94.0	-64.96	58.5	19.84	15.31	4.53	0.077
12/17/2007	OW-934 U/L	28.54	30.0	40.0	35.0	-6.46	29.04	89.0	99.0	94.0	-64.96	58.5	19.84	15.12	4.72	0.081

[1] From Table 2.4S.12-1
[2] From Table 2.4S.12-7
[3] Observation well OW-332L was damaged in January of 2007, a replacement well, OW-332L(R) was installed and developed in February of 2007, prior to the February monthly water level measurement. Therefore, no data is available from January 30, 2007 for well OW-332 U/L.
ft MSL = feet mean sea level = Hydraulic gradient (dh/dx) dh = Change in hydraulic head (ft) dx = Change in distance (ft)
ft bgs = feet below ground surface

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area

Measurement Date	Well Pair	Upper Well Screen [1]					Lower Well Screen [1]						Groundwater Elev. [2]			
		Ground El	Top	Bottom	Midpoint	Elevation	Ground El	Top	Bottom	Midpoint	Elevation	*dx*	Upper	Lower	*dh*	*i*
12/28/2006	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	24.02	15.70	8.32	0.166
01/30/2007	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	25.34	16.70	8.64	0.173
02/22/2007	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	24.34	16.87	7.47	0.149
03/29/2007	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	24.39	17.11	7.28	0.146
04/27/2007	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	24.63	17.57	7.06	0.141
05/25/2007	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	24.73	17.46	7.27	0.145
06/27/2007	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	24.08	17.48	6.60	0.132
07/30/2007	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	25.44	18.83	6.61	0.132
08/30/2007	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	24.50	18.38	6.12	0.122
09/26/2007	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	24.30	18.18	6.12	0.122
10/30/2007	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	23.71	17.58	6.13	0.123
11/19/2007	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	23.40	17.18	6.22	0.124
12/17/2007	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	23.57	16.98	6.59	0.132
03/28/2008	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	24.11	17.22	6.89	0.138
06/29/2008	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	22.84	16.10	6.74	0.135
09/22/2008	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	21.68	15.39	6.29	0.126
12/15/2008	OW-308 U/L	29.88	36	46	41	-11.12	29.87	86	96	91	-61.13	50	22.51	15.36	7.15	0.143
12/28/2006	OW-332 U/L	30.24	35	45	40	-9.76	30.24	92.1	102.1	97.1	-66.86	57.1	24.09	16.63	7.46	0.131
02/22/2007	OW-332 U/L(R)	30.24	35	45	40	-9.76	30.01	92	102	97	-66.99	57.2	24.64	16.79	7.85	0.137
03/29/2007	OW-332 U/L(R)	30.24	35	45	40	-9.76	30.01	92	102	97	-66.99	57.2	24.71	17.03	7.68	0.134
04/27/2007	OW-332 U/L(R)	30.24	35	45	40	-9.76	30.01	92	102	97	-66.99	57.2	25.85	17.49	8.36	0.146
05/25/2007	OW-332 U/L(R)	30.24	35	45	40	-9.76	30.01	92	102	97	-66.99	57.2	25.01	17.37	7.64	0.134
06/27/2007	OW-332 U/L(R)	30.24	35	45	40	-9.76	30.01	92	102	97	-66.99	57.2	24.05	17.40	6.65	0.116
07/30/2007	OW-332 U/L(R)	30.24	35	45	40	-9.76	30.01	92	102	97	-66.99	57.2	25.60	18.76	6.84	0.120

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area (continued)

Measurement Date	Well Pair	Upper Well Screen [1]					Lower Well Screen [1]					dx	Groundwater Elev. [2]		dh	i
		Ground El	Top	Bottom	Midpoint	Elevation	Ground El	Top	Bottom	Midpoint	Elevation		Upper	Lower		
08/30/2007	OW-332 U/L(R)	30.24	35	45	40	-9.76	30.01	92	102	97	-66.99	57.2	24.70	18.28	6.42	0.112
09/26/2007	OW-332 U/L(R)	30.24	35	45	40	-9.76	30.01	92	102	97	-66.99	57.2	24.45	18.13	6.32	0.110
10/30/2007	OW-332 U/L(R)	30.24	35	45	40	-9.76	30.01	92	102	97	-66.99	57.2	23.67	17.50	6.17	0.108
11/19/2007	OW-332 U/L(R)	30.24	35	45	40	-9.76	30.01	92	102	97	-66.99	57.2	23.30	17.09	6.21	0.109
12/17/2007	OW-332 U/L(R)	30.24	35	45	40	-9.76	30.01	92	102	97	-66.99	57.2	23.50	16.91	6.59	0.115
03/28/2008	OW-332 U/L(R)	30.24	35	45	40	-9.76	30.01	92	102	97	-66.99	57.2	24.43	17.15	7.28	0.127
06/29/2008	OW-332 U/L(R)	30.24	35	45	40	-9.76	30.01	92	102	97	-66.99	57.2	22.59	16.03	6.56	0.115
09/22/2008	OW-332 U/L(R)	30.24	35	45	40	-9.76	30.01	92	102	97	-66.99	57.2	21.23	15.32	5.91	0.103
12/15/2008	OW-332 U/L(R)	30.24	35	45	40	-9.76	30.01	92	102	97	-66.99	57.2	22.49	15.30	7.19	0.126
12/28/2006	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	24.19	15.70	8.49	0.209
01/30/2007	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	25.76	16.78	8.98	0.221
02/22/2007	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	24.57	16.92	7.65	0.188
03/29/2007	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	24.62	17.15	7.47	0.184
04/27/2007	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	24.94	17.57	7.37	0.182
05/25/2007	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	25.03	17.46	7.57	0.186
06/27/2007	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	24.33	17.50	6.83	0.168
07/30/2007	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	25.94	18.81	7.13	0.176
08/30/2007	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	24.78	18.36	6.42	0.158
09/26/2007	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	24.50	18.21	6.29	0.155

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area (continued)

Measurement Date	Well Pair	Upper Well Screen [1]					Lower Well Screen [1]						Groundwater Elev. [2]			
		Ground El	Top	Bottom	Midpoint	Elevation	Ground El	Top	Bottom	Midpoint	Elevation	*dx*	Upper	Lower	*dh*	*i*
10/30/2007	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	23.86	17.61	6.25	0.154
11/19/2007	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	23.49	17.19	6.30	0.155
12/17/2007	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	23.72	16.99	6.73	0.166
03/28/2008	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	24.28	17.20	7.08	0.174
06/29/2008	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	22.98	16.07	6.91	0.170
09/22/2008	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	21.88	15.32	6.56	0.162
12/15/2008	OW-348 U/L	30.51	28	38	33	-2.49	30.08	68.2	78.2	73.2	-43.12	40.6	22.57	15.28	7.29	0.180
12/28/2006	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	24.01	15.81	8.20	0.234
01/30/2007	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	25.47	16.84	8.63	0.247
02/22/2007	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	24.32	17.01	7.31	0.209
03/29/2007	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	24.38	17.23	7.15	0.204
04/27/2007	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	24.73	17.68	7.05	0.201
05/25/2007	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	24.79	17.55	7.24	0.207
06/27/2007	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	24.10	17.61	6.49	0.185
07/30/2007	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	25.67	18.98	6.69	0.191
08/30/2007	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	24.59	18.53	6.06	0.173
09/26/2007	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	24.31	18.31	6.00	0.171
10/30/2007	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	23.68	17.71	5.97	0.171
11/19/2007	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	23.32	17.29	6.03	0.172
12/17/2007	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	23.54	17.09	6.45	0.184
03/28/2008	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	24.07	17.32	6.75	0.193
06/29/2008	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	22.74	16.19	6.55	0.187
09/22/2008	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	21.56	15.45	6.11	0.175
12/15/2008	OW-349 U/L	29.40	35	45	40	-10.6	29.41	70	80	75	-45.59	35	22.34	15.41	6.93	0.198
12/28/2006	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	23.86	15.71	8.15	0.214

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area (continued)

Measurement Date	Well Pair	Upper Well Screen [1]					Lower Well Screen [1]					dx	Groundwater Elev. [2]		dh	i
		Ground El	Top	Bottom	Midpoint	Elevation	Ground El	Top	Bottom	Midpoint	Elevation		Upper	Lower		
01/30/2007	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	25.27	16.71	8.56	0.225
02/22/2007	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	24.44	16.90	7.54	0.198
03/29/2007	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	24.49	17.12	7.37	0.194
04/27/2007	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	24.62	17.56	7.06	0.186
05/25/2007	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	24.63	17.44	7.19	0.189
06/27/2007	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	24.10	17.48	6.62	0.174
07/30/2007	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	25.38	18.80	6.58	0.173
08/30/2007	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	27.47	18.36	9.11	0.240
09/26/2007	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	24.29	18.18	6.11	0.161
10/30/2007	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	23.76	17.59	6.17	0.162
11/19/2007	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	23.34	17.18	6.16	0.162
12/17/2007	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	23.45	16.99	6.46	0.170
03/28/2008	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	24.17	17.22	6.95	0.183
06/29/2008	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	22.86	16.11	6.75	0.178
09/22/2008	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	21.72	15.38	6.34	0.167
12/15/2008	OW-408 U/L	31.50	32	42	37	-5.5	31.73	70.2	80.2	75.2	-43.47	38	22.52	15.35	7.17	0.189
12/28/2006	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	23.73	15.72	8.01	0.126
01/30/2007	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	25.63	16.61	9.02	0.142
02/22/2007	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	24.97	16.82	8.15	0.129
03/29/2007	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	25.04	17.08	7.96	0.126
04/27/2007	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	25.01	17.55	7.46	0.118
05/25/2007	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	25.18	17.45	7.73	0.122

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area (continued)

Measurement Date	Well Pair	Upper Well Screen [1]					Lower Well Screen [1]					*dx*	Groundwater Elev. [2]		*dh*	*i*
		Ground El	Top	Bottom	Midpoint	Elevation	Ground El	Top	Bottom	Midpoint	Elevation		Upper	Lower		
06/27/2007	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	24.21	17.47	6.74	0.106
07/30/2007	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	25.86	18.78	7.08	0.112
08/30/2007	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	24.78	18.37	6.41	0.101
09/26/2007	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	24.63	18.17	6.46	0.102
10/30/2007	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	23.64	17.59	6.05	0.095
11/19/2007	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	23.20	17.20	6.00	0.095
12/17/2007	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	23.30	17.02	6.28	0.099
03/28/2008	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	24.63	17.25	7.38	0.116
06/29/2008	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	22.71	16.19	6.52	0.103
09/22/2008	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	21.43	15.50	5.93	0.094
12/15/2008	OW-438 U/L	30.53	30	40	35	-4.47	30.11	93	103	98	-67.89	63.4	22.42	15.46	6.96	0.110
12/28/2006	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	23.21	15.86	7.35	0.131
01/30/2007	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	24.75	16.26	8.49	0.152
02/22/2007	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	24.02	16.71	7.31	0.131
03/29/2007	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	24.09	16.89	7.20	0.129
04/27/2007	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	24.22	17.21	7.01	0.125
05/25/2007	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	24.32	17.26	7.06	0.126
06/27/2007	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	23.83	17.35	6.48	0.116
07/30/2007	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	24.79	17.99	6.80	0.122
08/30/2007	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	23.92	18.03	5.89	0.105
09/26/2007	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	23.82	17.98	5.84	0.104
10/30/2007	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	23.03	17.72	5.31	0.095
11/19/2007	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	22.80	17.49	5.31	0.095
12/17/2007	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	22.91	17.31	5.60	0.100
03/28/2008	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	23.89	17.14	6.75	0.121
06/29/2008	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	22.29	16.34	5.95	0.106
09/22/2008	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	21.26	15.46	5.80	0.104
12/15/2008	OW-910 U/L	30.69	25	35	30	0.69	30.75	81	91	86	-55.25	55.9	21.97	15.26	6.71	0.120
12/28/2006	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	23.51	15.81	7.70	0.094

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area (continued)

Measurement Date	Well Pair	Upper Well Screen [1]					Lower Well Screen [1]					*dx*	Groundwater Elev. [2]		*dh*	*i*
		Ground El	Top	Bottom	Midpoint	Elevation	Ground El	Top	Bottom	Midpoint	Elevation		Upper	Lower		
01/30/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	25.48	16.56	8.92	0.109
02/22/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	24.84	16.81	8.03	0.098
03/29/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	24.97	17.06	7.91	0.097
04/27/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	25.00	17.53	7.47	0.091
05/25/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	25.10	17.43	7.67	0.094
06/27/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	24.36	17.50	6.86	0.084
07/30/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	25.60	18.66	6.94	0.085
08/30/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	24.74	18.31	6.43	0.079
09/26/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	24.47	18.21	6.26	0.077
10/30/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	23.38	17.66	5.72	0.070
11/19/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	23.05	17.31	5.74	0.070
12/17/2007	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	23.17	17.15	6.02	0.074
03/28/2008	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	24.55	17.31	7.24	0.089
06/29/2008	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	22.37	15.65	6.72	0.082
09/22/2008	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	21.21	15.64	5.57	0.068
12/15/2008	OW-928 U/L	30.02	28.5	38.5	33.5	-3.48	29.81	110	120	115	-85.19	81.7	21.70	15.53	6.17	0.076
12/28/2006	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	25.79	15.16	10.63	0.280
01/30/2007	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	27.38	16.22	11.16	0.294
02/22/2007	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	27.03	16.37	10.66	0.281
03/29/2007	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	26.96	16.63	10.33	0.272

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area (continued)

Measurement Date	Well Pair	Upper Well Screen [1]					Lower Well Screen [1]						Groundwater Elev. [2]			
		Ground El	Top	Bottom	Midpoint	Elevation	Ground El	Top	Bottom	Midpoint	Elevation	*dx*	Upper	Lower	*dh*	*i*
04/27/2007	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	26.94	17.12	9.82	0.258
05/25/2007	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	26.90	16.93	9.97	0.262
06/27/2007	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	25.54	16.96	8.58	0.226
07/30/2007	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	27.49	18.45	9.04	0.238
08/30/2007	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	26.56	17.88	8.68	0.228
09/26/2007	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	26.51	17.68	8.83	0.232
10/30/2007	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	24.98	17.00	7.98	0.210
11/19/2007	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	23.98	16.59	7.39	0.194
12/17/2007	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	24.52	16.42	8.10	0.213
03/28/2008	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	26.39	16.73	9.66	0.254
06/29/2008	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	21.60	15.50	6.10	0.161
09/22/2008	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	21.08	14.80	6.28	0.165
12/15/2008	OW-929 U/L	36.91	49	59	54	-17.09	36.93	87	97	92	-55.07	38	24.26	14.82	9.44	0.248
12/28/2006	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	19.41	13.08	6.33	0.091
01/30/2007	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	21.54	14.57	6.97	0.100
02/22/2007	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	20.28	14.63	5.65	0.081
03/29/2007	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	20.35	14.77	5.58	0.080
04/27/2007	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	20.88	15.17	5.71	0.082
05/25/2007	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	20.02	14.89	5.13	0.074
06/27/2007	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	19.36	14.99	4.37	0.063
07/30/2007	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	21.24	16.35	4.89	0.070
08/30/2007	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	20.23	15.78	4.45	0.064
09/26/2007	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	19.28	15.48	3.80	0.055
10/30/2007	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	18.71	15.04	3.67	0.053
11/19/2007	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	18.94	14.64	4.30	0.062
12/17/2007	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	18.98	14.44	4.54	0.065
03/28/2008	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	19.65	14.67	4.98	0.072
06/29/2008	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	17.57	13.23	4.34	0.063
09/22/2008	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	16.49	12.33	4.16	0.060

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area (continued)

Measurement Date	Well Pair	Upper Well Screen [1]					Lower Well Screen [1]					*dx*	Groundwater Elev. [2]		*dh*	*i*
		Ground El	Top	Bottom	Midpoint	Elevation	Ground El	Top	Bottom	Midpoint	Elevation		Upper	Lower		
12/15/2008	OW-930 U/L	25.62	25	35	30	-4.38	26.21	95	105	100	-73.79	69.4	17.84	12.32	5.52	0.080
12/28/2006	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.31	15.56	8.75	0.217
01/30/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	25.80	16.78	9.02	0.224
02/22/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.79	16.89	7.90	0.196
03/29/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.87	17.06	7.81	0.194
04/27/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	25.06	17.44	7.62	0.189
05/25/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	25.15	17.31	7.84	0.195
06/27/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.56	17.41	7.15	0.177
07/30/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	25.89	18.65	7.24	0.180
08/30/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.93	18.24	6.69	0.166
09/26/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.63	18.04	6.59	0.164
10/30/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.07	17.52	6.55	0.163
11/19/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	23.79	17.09	6.70	0.166
12/17/2007	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.00	16.88	7.12	0.177
03/28/2008	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	24.53	17.03	7.50	0.186
06/29/2008	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	23.29	15.89	7.40	0.184
09/22/2008	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	22.28	15.06	7.22	0.179
12/15/2008	OW-932 U/L	31.35	28.5	38.5	33.5	-2.15	31.09	68.5	78.5	73.5	-42.41	40.3	22.88	15.00	7.88	0.196
12/28/2006	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	24.18	15.85	8.33	0.166
01/30/2007	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	25.65	17.08	8.57	0.171
02/22/2007	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	24.67	17.16	7.51	0.150

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area (continued)

Measurement Date	Well Pair	Upper Well Screen [1]					Lower Well Screen [1]						Groundwater Elev. [2]			
		Ground El	Top	Bottom	Midpoint	Elevation	Ground El	Top	Bottom	Midpoint	Elevation	*dx*	Upper	Lower	*dh*	*i*
03/29/2007	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	24.71	17.34	7.37	0.147
04/27/2007	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	25.05	17.74	7.31	0.146
05/25/2007	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	25.12	17.61	7.51	0.150
06/27/2007	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	24.75	17.73	7.02	0.140
07/30/2007	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	26.01	19.03	6.98	0.139
08/30/2007	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	25.22	18.60	6.62	0.132
09/26/2007	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	24.82	18.40	6.42	0.128
10/30/2007	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	24.20	17.84	6.36	0.127
11/19/2007	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	23.84	17.38	6.46	0.129
12/17/2007	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	24.02	17.15	6.87	0.137
03/28/2008	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	24.30	17.30	7.00	0.140
06/29/2008	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	23.36	16.15	7.21	0.144
09/22/2008	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	22.33	15.33	7.00	0.140
12/15/2008	OW-933 U/L	28.87	26	36	31	-2.13	28.74	76	86	81	-52.26	50.1	22.62	15.26	7.36	0.147
12/28/2006	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	20.17	13.87	6.30	0.108
01/30/2007	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	20.85	15.11	5.74	0.098
02/22/2007	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	20.35	15.21	5.14	0.088
03/29/2007	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	20.31	15.43	4.88	0.083
04/27/2007	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	20.48	15.85	4.63	0.079
05/25/2007	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	20.39	15.61	4.78	0.082
06/27/2007	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	20.03	15.71	4.32	0.074
07/30/2007	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	20.83	17.16	3.67	0.063
08/30/2007	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	20.39	16.54	3.85	0.066
09/26/2007	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	20.24	16.29	3.95	0.068
10/30/2007	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	19.79	15.71	4.08	0.070
11/19/2007	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	19.84	15.31	4.53	0.077
12/17/2007	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	19.84	15.12	4.72	0.081
03/28/2008	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	20.12	15.38	4.74	0.081
06/29/2008	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	19.13	13.97	5.16	0.088

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area (continued)

Measurement Date	Well Pair	Upper Well Screen [1]					Lower Well Screen [1]						Groundwater Elev. [2]			
		Ground El	Top	Bottom	Midpoint	Elevation	Ground El	Top	Bottom	Midpoint	Elevation	*dx*	Upper	Lower	*dh*	*i*
09/22/2008	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	18.02	13.13	4.89	0.084
12/15/2008	OW-934 U/L	28.54	30	40	35	-6.46	29.04	89	99	94	-64.96	58.5	19.29	13.13	6.16	0.105
09/22/2008	OW-950 U/L	28.04	31	41	36	-7.96	27.94	121	131	126	-98.06	90.1	23.68	14.47	9.21	0.102
12/15/2008	OW-950 U/L	28.04	31	41	36	-7.96	27.94	121	131	126	-98.06	90.1	24.17	14.12	10.05	0.112
09/22/2008	OW-951 U/L	30.05	19	29	24	6.05	29.87	117	127	122	-92.13	98.18	22.99	14.85	8.14	0.083
12/15/2008	OW-951 U/L	30.05	19	29	24	6.05	29.87	117	127	122	-92.13	98.18	23.35	14.06	9.29	0.095
09/22/2008	OW-952 U/L	29.39	34	44	39	-9.61	29.45	69	79	74	-44.55	34.94	23.74	14.90	8.84	0.253
12/15/2008	OW-952 U/L	29.39	34	44	39	-9.61	29.45	69	79	74	-44.55	34.94	24.07	14.83	9.24	0.264
09/22/2008	OW-953 U/L	28.92	35	45	40	-11.08	29.15	71	81	76	-46.85	35.77	20.60	15.50	5.10	0.143
12/15/2008	OW-953 U/L	28.92	35	45	40	-11.08	29.15	71	81	76	-46.85	35.77	21.47	15.40	6.07	0.170
09/22/2008	OW-954 U/L	34.93	35	45	40	-5.07	35.04	88	98	93	-57.96	52.89	24.76	15.46	9.30	0.176
12/15/2008	OW-954 U/L	34.93	35	45	40	-5.07	35.04	88	98	93	-57.96	52.89	25.12	15.41	9.71	0.184
09/22/2008	OW-955 U/L	31.47	34	39	36.5	-5.03	31.04	70	80	75	-43.96	38.93	18.88	13.32	5.56	0.143
12/15/2008	OW-955 U/L	31.47	34	39	36.5	-5.03	31.04	70	80	75	-43.96	38.93	18.89	13.29	5.60	0.144
09/22/2008	OW-956 U/L	28.30	18	28	23	5.3	28.44	98	108	103	-74.56	79.86	17.45	12.56	4.89	0.061
12/15/2008	OW-956 U/L	28.30	18	28	23	5.3	28.44	98	108	103	-74.56	79.86	19.17	12.58	6.59	0.083
09/22/2008	OW-957 U/L	26.04	23	33	28	-1.96	26.03	103	113	108	-81.97	80.01	18.43	12.29	6.14	0.077
12/15/2008	OW-957 U/L	26.04	23	33	28	-1.96	26.03	103	113	108	-81.97	80.01	18.41	12.27	6.14	0.077
09/22/2008	OW-958 U/L	25.53	23	33	28	-2.47	25.45	96.9	106.9	101.9	-76.45	73.98	16.57	11.80	4.77	0.064
12/15/2008	OW-958 U/L	25.53	23	33	28	-2.47	25.45	96.9	106.9	101.9	-76.45	73.98	17.55	11.79	5.76	0.078
09/22/2008	OW-959 U/L	25.85	25	35	30	-4.15	25.71	72	82	77	-51.29	47.14	11.14	11.35	0.21	0.004 [3]

Table 2.4S.12-8 Estimated Vertical Hydraulic Gradients in the STP 3 & 4 Area (continued)

Measurement Date	Well Pair	Upper Well Screen [1]					Lower Well Screen [1]						Groundwater Elev. [2]			
		Ground El	Top	Bottom	Midpoint	Elevation	Ground El	Top	Bottom	Midpoint	Elevation	*dx*	Upper	Lower	*dh*	*i*
12/15/2008	OW-959 U/L	25.85	25	35	30	-4.15	25.71	72	82	77	-51.29	47.14	13.43	11.35	2.08	0.044
09/22/2008	OW-960 U/L	19.56	28	38	33	-13.44	19.57	91.5	101.5	96.5	-76.93	63.49	14.18	11.27	2.91	0.046
12/15/2008	OW-960 U/L	19.56	28	38	33	-13.44	19.57	91.5	101.5	96.5	-76.93	63.49	15.06	11.29	3.77	0.059
09/22/2008	OW-961 U/L	13.90	14	24	19	-5.1	14.40	94	104	99	-84.6	79.5	10.34	10.90	0.56	0.007 [3]
12/15/2008	OW-961 U/L	13.90	14	24	19	-5.1	14.40	94	104	99	-84.6	79.5	12.68	10.96	1.72	0.022
09/22/2008	OW-962 U/L	32.20	32	42	37	-4.8	32.15	105	115	110	-77.85	73.05	21.57	13.56	8.01	0.110
12/15/2008	OW-962 U/L	32.20	32	42	37	-4.8	32.15	105	115	110	-77.85	73.05	23.36	13.61	9.75	0.133

[1] From Table 2.4S.12-1
[2] From Table 2.4S.12-7
[3] Denotes upward gradient.

Observation well OW-332L was damaged in January of 2007, a replacement well, OW-332L(R) was installed and developed in February of 2007 prior to the February monthly water level measurement. Therefore, no data is available from January 30, 2007 for well OW-332 U/L.

ft MSL = feet mean sea level
i = Hydraulic gradient (*dh/dx*)
dh = Change in hydraulic head (ft)
dx = Change in distance (ft)
ft bgs = feet below ground surface

Table 2.4S.12-11 STP Slug Test Results

	Test Type						Arithmetic Mean of Tests		
	Rising Head Test Method			Falling Head Test Method					
Well	Butler	KGS	B-R	Butler	KGS	B-R	ft/day	gpd/ft^2	cm/s
OW-308L	64	67	65	72	73	56	66	495	2.33E-02
OW-308U	70	64	63	64	62	68	65	488	2.30E-02
OW-332L	53	54	P	49	49	55	52	389	1.83E-02
OW-332U	37	36	27	19	18	11	25	184	8.70E-03
OW-348L	58	46	44	76	61	39	54	404	1.90E-02
OW-348U	P	83	88	68	71	65	75	561	2.65E-02
OW-349L	63	51	35	43	40	52	47	354	1.67E-02
OW-349U	P	P	43	P	P	53	48	359	1.69E-02
OW-408L	P	72	P	70	68	50	65	486	2.29E-02
OW-408U	17	11	11	22	32	28	20	151	7.11E-03
OW-420U	P	33	45	ND	ND	ND	39	292	1.38E-02
OW-438L	17	27	10	15	28	14	18	138	6.53E-03
OW-438U	38	39	26	P	P	24	32	238	1.12E-02
OW-910L	3	0.3	0.6	2	0.9	0.5	1	9	4.29E-04
OW-910U	26	29	21	P	P	P	25	190	8.94E-03
OW-928L	19	11	7	P	24	21	16	123	5.79E-03
OW-928U	19	P	8	19	16	16	16	117	5.50E-03
OW-929L	56	54	29	59	P	59	51	384	1.81E-02
OW-929U	P	3	4	P	12	2	5	39	1.85E-03
OW-930L	40	37	27	24	15	19	27	202	9.52E-03
OW-930U	P	23	32	P	47	48	38	280	1.32E-02
OW-931U	34	23	20	P	P	49	32	236	1.11E-02
OW-932L	24	23	18	22	22	26	22	167	7.88E-03
OW-932U	21	13	14	P	16	22	17	129	6.07E-03
OW-933L	P	81	63	P	P	64	59	444	2.09E-02
OW-933U	P	10	3	8	5	3	6	43	2.05E-03
OW-934L	P	P	35	P	P	32	34	251	1.18E-02
OW-934U	P	32	33	49	P	40	38	288	1.36E-02
Geometric Mean all tests							27	205	9.66E-03
Geometric Mean Upper Shallow Aquifer							26	192	9.04E-03
Geometric Mean Lower Shallow Aquifer							30	221	1.04E-02

P = Poor curve match or questionable data
Test Methods:
KGS = Kansas Geological Survey
B-R = Bouwer and Rice
ND = No data – data not recovered from data logger

Table 2.4S.12-11 STP Slug Test Results

Well	Test Type								Arithmetic Mean of Tests		
	Rising Head Test Method					Falling Head Test Method					
	Butler	KGS	B-R	M-Z	S-G	Butler	KGS	B-R	ft/d	gpd/ft^2	cm/s
OW-308L	64	67	65	NA	NA	72	73	56	66	495	2.33E-02
OW-308U	70	64	63	NA	NA	64	62	68	65	487	2.30E-02
OW-332L	53	54	P	NA	NA	49	49	55	52	389	1.83E-02
OW-332U	37	36	27	NA	NA	19	18	11	25	185	8.70E-03
OW-348L	58	46	44	NA	NA	76	61	39	54	404	1.91E-02
OW-348U	P	83	88	NA	NA	68	71	65	75	561	2.65E-02
OW-349L	63	51	35	NA	NA	43	40	52	47	354	1.67E-02
OW-349U	P	P	43	NA	NA	P	P	53	48	359	1.69E-02
OW-408L	P	72	P	NA	NA	70	68	50	65	486	2.29E-02
OW-408U	17	11	11	NA	NA	22	32	28	20	151	7.11E-03
OW-420U	P	33	45	NA	NA	ND	ND	ND	39	292	1.38E-02
OW-438L	17	27	10	NA	NA	15	28	14	19	138	6.53E-03
OW-438U	38	39	26	NA	NA	P	P	24	32	238	1.12E-02
OW-910L	3	0.3	0.6	NA	NA	2	0.9	0.5	1	9	4.29E-04
OW-910U	26	29	21	NA	NA	P	P	P	25	190	8.94E-03
OW-928L	19	11	7	NA	NA	P	24	21	16	123	5.79E-03
OW-928U	19	P	8	NA	NA	19	16	16	16	117	5.50E-03
OW-929L	56	54	29	NA	NA	59	P	59	51	384	1.81E-02
OW-929U	P	3	4	NA	NA	P	12	2	5	39	1.85E-03
OW-930L	40	37	27	NA	NA	24	15	19	27	202	9.53E-03
OW-930U	P	23	32	NA	NA	P	47	48	38	281	1.32E-02
OW-931U	34	23	20	NA	NA	P	P	49	32	236	1.11E-02
OW-932L	24	23	18	NA	NA	22	22	25	22	167	7.88E-03
OW-932U	21	13	14	NA	NA	P	16	22	17	129	6.07E-03
OW-933L	P	51	63	NA	NA	P	P	64	59	444	2.09E-02
OW-933U	P	10	3	NA	NA	8	5	3	6	43	2.05E-03
OW-934L	P	P	35	NA	NA	P	P	32	34	251	1.18E-02
OW-934U	P	32	33	NA	NA	49	P	40	39	288	1.36E-02
OW-950L	2	3	NA	2	NA	NA	NA	NA	2	16	7.66E-04
OW-950U	P	3	NA	P	NA	NA	NA	NA	3	20	9.53E-04
OW-951L	4	11	NA	4	NA	NA	NA	NA	6	47	2.20E-03
OW-951U	8	16	NA	8	NA	NA	NA	NA	11	80	3.76E-03
OW-952L	14	23	NA	14	NA	NA	NA	NA	17	127	6.00E-03
OW-952U	7	6	NA	7	NA	NA	NA	NA	7	52	2.45E-03
OW-953L	P	39	NA	P	NA	NA	NA	NA	39	292	1.38E-02
OW-953U	P	29	NA	P	NA	NA	NA	NA	29	215	1.02E-02
OW-954L	3	3	NA	3	NA	NA	NA	NA	3	23	1.08E-03
OW-954U	12	15	NA	12	NA	NA	NA	NA	13	97	4.57E-03
OW-955L	24	23	NA	24	NA	NA	NA	NA	24	177	8.35E-03

Table 2.4S.12-11 STP Slug Test Results (continued)

Well	Test Type								Arithmetic Mean of Tests		
	Rising Head Test Method					Falling Head Test Method					
	Butler	KGS	B-R	M-Z	S-G	Butler	KGS	B-R	ft/d	gpd/ft^2	cm/s
OW-955U	P	4	NA	P	NA	NA	NA	NA	4	29	1.37E-03
OW-956L	P	P	NA	96	NA	NA	NA	NA	96	715	3.37E-02
OW-956U	6	11	NA	6	NA	NA	NA	NA	8	57	2.68E-03
OW-957L	P	1	NA	P	NA	NA	NA	NA	1	7	3.28E-04
OW-957U	P	2	NA	NA	P	NA	NA	NA	2	14	6.48E-04
OW-958La	P	P	NA	P	NA	NA	NA	NA	NR	NR	NR
OW-958U	NA	47	NA	NA	P	NA	NA	NA	47	349	1.65E-02
OW-959L	19	P	NA	19	NA	NA	NA	NA	19	139	6.58E-03
OW-959U	NA	16	NA	NA	17	NA	NA	NA	16	123	5.81E-03
OW-960L	P	P	NA	P	NA	NA	NA	NA	NR	NR	NR
OW-960U	NA	1	NA	NA	P	NA	NA	NA	1	8	3.84E-04
OW-961L	179	P	NA	173	NA	NA	NA	NA	176	1316	6.21E-02
OW-961U	3	6	NA	3	NA	NA	NA	NA	4	31	1.46E-03
OW-962L	9	11	NA	9	NA	NA	NA	NA	10	72	3.39E-03
OW-962U	13	9	NA	13	NA	NA	NA	NA	12	86	4.06E-03
Geometric Mean all tests									17	126	5.93E-03
Geometric Mean Upper Shallow Aquifer									14	107	5.04E-03
Geometric Mean Lower Shallow Aquifer									20	152	7.16E-03

P = Poor curve match or questionable data

Test Methods: KGS = Kansas Geological Survey, B-R = Bouwer and Rice, M-Z = McElwee-Zenner, S-G = Springer-Gelhar

ND = No Data – data not recovered from data logger

NA = Method Not Analyzed

NR = No Result