



Ground Water Sampling Event Field Sheet

Project Name: Poplar Point	Ridolfi Project No.: 470E			Dates on Site: 11/12/02-11/26/02	
Sampling Personnel: Megan Hilgart and Andy Nicholls				Weather: Cloudy, calm, 35-50 °F	
Sampling Equipment: Orion Model 250A pH meter, YSI salinity-conductivity-temperature meter, Geopump peristaltic pump, Solinst Model 101 water level meter, polyethylene tubing, and silicone head tubing.					
Monitoring Well Identification	MW02	MW02A	MW04	MW05	MW07
Date/Time opened	12-21/9:06 AM	12-21/9:00 AM	12-21/10:35 AM	12-21/10:55 AM	12-21/3:40 PM
Date/Time measured	12-21/9:06 AM*	12-21/9:00 AM*	12-21/10:35 AM*	12-21/10:55 AM*	12-21/3:40 PM*
Measured depth to water (ft.)	7.92	4.71	6.24	4.80	11.12
Depth to well bottom (ft.)*	57.4	15.5	19.7	16.0	38.4
Date/Time started pump	11-25/4:06 PM	11-25/3:35 PM	11-20/8:29 AM	11-17/1:10 PM	11-19/11:04 AM
Pumping rate (L/min.)	0.2	0.2	0.2	0.2	0.2
Well purged dry? (Y/N)	N	N	N	N	N
Date/Time sample collected	11-25/4:15 PM	11-25/3:55 PM	11-20/8:50 AM	11-17/1:23 PM	11-19/11:10 AM
Sample ID	470E-MW02-01	470E-MW02A-01	470E-MW04-01	470E-MW05-01	470E-MW07-01
Sample color	cloudy/particulate	clear	clear	clear	clear
Turbidity of sample	slight	slight	none	none	none
Odors observed during purging	none	none	none	none	slight petroleum
Sheen observed in purge water	none	none	none	none	none
Well cap & lock replaced? (Y/N)	no lock	no lock	no lock	no lock	no lock
Field Temp. (°C):					
Reading 1/Time of Reading	15.0/4:06 PM	16.2/3:35 PM	9.6/8:31 AM	13.7/1:10 PM	15.6/11:04 AM
Reading 2/Time of Reading	15.1/4:08 PM	16.2/3:40 PM	10.6/8:36 AM	14.6/1:17 PM	16.0/11:06 AM
Reading 3/Time of Reading	15.0/4:10 PM	16.2/3:43 PM	10.7/8:39 AM	14.7/1:22 PM	16.1/11:09 AM
Reading 4/Time of Reading		16.1/3:47 PM	10.5/8:41 AM		
Reading 5/Time of Reading		16.1/3:50 PM	10.4/8:43 AM		
Reading 6/Time of Reading			10.4/8:45 AM		
Field pH (std. units):					
Reading 1	6.55	6.46	5.84	7.11	6.55
Reading 2	6.58	6.59	5.74	7.15	6.52
Reading 3	6.63	6.70	5.68	7.20	6.53
Reading 4		6.76	5.62		
Reading 5		6.79	5.63		
Reading 6			5.66		
Field Conductivity (µS/cm):					
Reading 1	815	1157	447	1,267	783
Reading 2	817	1130	440	1,235	780
Reading 3	820	1123	428	1,235	779
Reading 4		1124	432		
Reading 5		1137	440		
Reading 6			442		
Sampling Parameters: See Table # Sample Identification, Coordinates, and Requested Analysis.					
Comments: Depth to well bottom (ft.)* = Well tip depth from boring log + Distance between top of PVC casing and ground surface. * = A small vent hole was present in the PVC well cap. The well was opened immediately before the water level measurement was taken. Ground water samples collected for dissolved metals were field filtered.					



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Sampling Equipment: Orion Model 250A pH meter, YSI salinity-conductivity-temperature meter, Geopump peristaltic pump, Solinst Model 101 water level meter, polyethylene tubing, and silicone head tubing.					
Monitoring Well Identification	MW23A	MW23B	PZ1	PZ2	PZ3
Date/Time opened	12-21/3:12 PM	12-21/3:13 PM	12-21/2:30 PM	12-21/2:40 PM	12-21/2:35 PM
Date/Time measured	12-21/3:12 PM*	12-21/3:13 PM*	12-21/3:03 PM	12-21/3:10 PM	12-21/3:05 PM
Measured depth to water (ft.)	9.14	9.06	2.58	3.93	3.57
Depth to well bottom (ft.)*	19.8**	53.1	6.0	6.4	6.2
Date/Time started pump	11-19/7:50 AM	11-19/8:02 AM	11-19/4:22 PM	11-25/12:45 PM	11-19/2:16 PM
Pumping rate (L/min.)	0.2	0.2	0.2	0.2	0.2
Well purged dry? (Y/N)	N	N	N	N	N
Date/Time sample collected	11-19/7:50 AM	11-19/8:10 AM	11-19/4:15 PM	11-25/12:55 PM	11-19/2:35 PM
Sample ID	470E-MW23A-01	470E-MW23B-01	470E-PZ1-01	470E-PZ2-01	470E-PZ3-01
Sample color	clear	clear	clear	cloudy/particulate	clear
Turbidity of sample	slight	slight	none	slight	slight
Odors observed during purging	slight petroleum	none	none	none	none
Sheen observed in purge water	none	none	none	none	slight
Well cap & lock replaced? (Y/N)	no lock	no lock	Y	Y	Y
Field Temp. (°C):					
Reading 1/Time of Reading	11.2/7:50 AM	11.9/8:02 AM	12.1/4:22 PM	15.5/12:45 PM	12.1/2:16 PM
Reading 2/Time of Reading	12.5/7:52 AM	13.0/8:04 AM	12.9/4:24 PM	14.3/12:50 PM	12.9/2:20 PM
Reading 3/Time of Reading	12.6/7:54 AM	13.4/8:07 AM	13.0/4:26 PM	14.2/12:53 PM	13.3/2:25 PM
Reading 4/Time of Reading		13.4/8:08 AM			13.7/2:27 PM
Reading 5/Time of Reading		13.3/8:10 AM			
Field pH (std. units):					
Reading 1	6.41	6.28	6.18	7.16	6.30
Reading 2	6.38	6.24	6.22	7.23	6.60
Reading 3	6.36	6.37	6.26	7.18	6.68
Reading 4		6.40			6.66
Reading 5		6.42			
Field Conductivity (µS/cm):					
Reading 1	876	559	1,857	1,174	1,365
Reading 2	854	562	1,882	1,134	1,356
Reading 3	841	573	1,864	1,124	1,334
Reading 4		577			1,384
Reading 5		566			
Sampling Parameters: See Table # Sample Identification, Coordinates, and Requested Analysis.					
Comments: Depth to well bottom (ft.)* = Well tip depth from boring log + Distance between top of PVC casing and ground surface. ** = No boring log was available so depth to well bottom was measured at MW23A using a weighted tape measure. * = A small vent hole was present in the PVC well cap. The well was opened immediately before the water level measurement was taken. Ground water samples collected for dissolved metals were field filtered.					



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Sampling Equipment: Orion Model 250A pH meter, YSI salinity-conductivity-temperature meter, Geopump peristaltic pump, Solinst Model 101 water level meter, polyethylene tubing, and silicone head tubing.					
Monitoring Well Identification	PZ4	PZ5	PZ6	PZ7	PZ8
Date/Time opened	12-21/10:30 AM	12-21/12:45 PM	12-21/12:50 PM	12-21/1:30 PM	12-21/8:30 AM
Date/Time measured	12-21/11:07 AM	12-21/1:15 PM	12-21/1:22 PM	12-21/2:06 PM	12-21/9:08 AM
Measured depth to water (ft.)	3.41	2.42	1.51	2.73	4.38
Depth to well bottom (ft.)*	5.4	5.7	5.6	7.0	6.1
Date/Time started pump	11-22/8:30 AM	11-22/9:05 AM	11-22/12:15 PM	11-22/1:07 PM	11-25/2:49 PM
Pumping rate (L/min.)	0.2	0.2	0.2	0.2	0.2
Well purged dry? (Y/N)	N	N	N	N	N
Date/Time sample collected	11-22/8:40 AM	11-22/9:15 AM	11-22/12:20 PM	11-22/1:20 PM	11-25/2:55 PM
Sample ID	470E-PZ4-01	470E-PZ5-01	470E-PZ6-01	470E-PZ7-01	470E-PZ8-01
Sample color	clear	clear	clear	cloudy/particulate	cloudy/particulate
Turbidity of sample	none	none	none	slight	slight
Odors observed during purging	none	none	none	none	none
Sheen observed in purge water	none	none	none	none	none
Well cap & lock replaced? (Y/N)	Y	Y	Y	Y	Y
Field Temp. (°C):					
Reading 1/Time of Reading	13.7/8:30 AM	13.1/9:05 AM	11.8/12:15 PM	12.5/1:07 PM	16.0/2:49 PM
Reading 2/Time of Reading	13.8/8:32 AM	13.4/9:07 AM	11.8/12:17 PM	13.2/1:09 PM	15.6/2:51 PM
Reading 3/Time of Reading	13.9/8:34 AM	13.4/9:09 AM	11.8/12:19 PM	13.3/1:11 PM	15.7/2:54 PM
Reading 4/Time of Reading	13.8/8:36 AM	13.4/9:12 AM		13.3/1:13 PM	
Field pH (std. units):					
Reading 1	7.73	7.34	7.51	7.24	5.87
Reading 2	7.63	7.23	7.60	7.07	5.79
Reading 3	7.59	7.17	7.66	7.03	5.73
Reading 4	7.55	7.17		7.04	
Field Conductivity (µS/cm):					
Reading 1	1,819	2,485	3,145	1,430	769
Reading 2	1,835	2,460	3,207	1,385	807
Reading 3	1,849	2,476	3,206	1,417	830
Reading 4	1,852	2,490		1,436	
Sampling Parameters: See Table # Sample Identification, Coordinates, and Requested Analysis.					
Comments: Depth to well bottom (ft.)* = Well tip depth from boring log + Distance between top of PVC casing and ground surface. Ground water samples collected for dissolved metals were field filtered.					



Project Name: Poplar Point	Ridolfi Project No.: 470E				Dates on Site: 12/17/02-12/22/02
Sampling Personnel: Megan Hilgart and Andy Nicholls				Weather: Clear, calm, 35-50 °F	
Sampling Equipment: Orion Model 250A pH meter, YSI salinity-conductivity-temperature meter, Geopump peristaltic pump, Solinst Model 101 water level meter, polyethylene tubing, and silicone head tubing.					
Monitoring Well Identification	DCMW006-02	DCMW007-02	DCMW008-02	DCMW009-02	DCMW010-02
Date/Time opened	12-21/11:25 PM	12-21/3:15 AM	12-21/10:20 AM	12-21/10:30 AM	12-21/7:50 AM
Date/Time measured	12-21/11:55 AM	12-21/3:45 PM	12-21/10:50 AM	12-21/11:00 AM	12-21/8:21 AM
Measured depth to water (ft.)	11.21	10.48	7.56	9.47	6.45
Depth to well bottom (ft.)*	20.0	17.8	58.8	58.1	15.4
Date/Time started pump	12-21/12:03 PM	12-22/8:40 AM	12-18/11:47 AM	12-18/10:05 AM	12-21/8:40 AM
Pumping rate (L/min.)	0.2	0.2	0.2	0.2	0.2
Well purged dry? (Y/N)	N	N	N	N	N
Date/Time sample collected	12-21/12:15 PM	12-22/9:00 AM	12-18/12:20 PM	12-18/10:25 AM	12-21/9:00 AM
Sample ID	470E-MW30-01	470E-MW31-01	470E-MW33-01	470E-MW34-01	470E-MW35-01
Sample color	clear	clear	light brown	clear	clear
Turbidity of sample	slight	none	slight	none	none
Odors observed during purging	none	none	none	none	none
Sheen observed in purge water	none	none	none	none	none
Well cap & lock replaced? (Y/N)	Y	Y	Y	Y	Y
Field Temp. (°C):					
Reading 1/Time of Reading	13.8/12:06 PM	11.6/8:45 AM	11.3/11:47 AM	9.3/10:11 AM	10.4/8:46 AM
Reading 2/Time of Reading	14.2/12:09 PM	12.1/8:50 AM	12.3/11:53 AM	10.9/10:15 AM	12.7/8:49 AM
Reading 3/Time of Reading	14.2/12:11 PM	11.5/9:00 AM	11.7/12:00 PM	11.2/10:19 AM	12.9/8:52 AM
Reading 4/Time of Reading		12.4/9:06 AM	12.8/12:06 PM	11.3/10:21 AM	13.5/8:54 AM
Reading 5/Time of Reading			12.6/12:08 PM	11.4/10:24 AM	13.5/8:59 AM
Reading 6/Time of Reading			12.6/12:13 PM		
Reading 7/Time of Reading			12.5/12:16 PM		
Reading 8/Time of Reading			13.0/12:18 PM		
Field pH (std. units):					
Reading 1	5.88	5.43	6.44	5.75	5.80
Reading 2	5.95	5.58	6.49	5.95	5.87
Reading 3	5.96	5.47	6.30	6.13	5.95
Reading 4		5.56	6.32	6.17	6.00
Reading 5			6.28	6.22	6.03
Reading 6			6.35		
Reading 7			6.40		
Reading 8			6.43		
Field Conductivity (µS/cm):					
Reading 1	863	953	942	905	1,957
Reading 2	868	942	960	931	1,919
Reading 3	887	965	986	992	1,917
Reading 4		948	946	952	1,913
Reading 5			930	976	1,917
Reading 6			923		
Reading 7			913		
Reading 8			928		
Sampling Parameters: See Table # Sample Identification, Coordinates, and Requested Analysis.					
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Sampling Equipment: Orion Model 250A pH meter, YSI salinity-conductivity-temperature meter, Geopump peristaltic pump, Solinst Model 101 water level meter, polyethylene tubing, and silicone head tubing.					
Monitoring Well Identification	DCMW011-02	DCMW012-02	DCMW013-02	DCMW014-02	DCMW015-02
Date/Time opened	12-21/3:00 PM	12-21/9:00 AM	12-21/9:20 AM	12-21/10:00 AM	12-21/3:00 PM
Date/Time measured	12-21/3:32 PM	12-21/9:35 AM	12-21/9:50 AM	12-21/10:30 AM	12-21/3:36 PM
Measured depth to water (ft.)	9.38	8.87	5.14	6.79	6.33
Depth to well bottom (ft.)*	25.1	14.8	16.5	16.2	29.1
Date/Time started pump	12-18/3:13 PM	12-18/8:43 AM	12-21/10:05 AM	12-18/1:42 PM	12-22/7:27 AM
Pumping rate (L/min.)	0.2	0.2	0.2	0.2	0.2
Well purged dry? (Y/N)	Y	N	N	N	N
Date/Time sample collected	12-18/3:50 PM	12-18/9:15 AM	12-21/10:15 AM	12-18/1:55 PM	12-22/7:40 PM
Sample ID	470E-MW37-01	470E-MW39-01	470E-MW40-01	470E-MW41-01	470E-MW42-01
Sample color	clear	clear	clear	clear	clear
Turbidity of sample	none	none	none	slight particulate	none
Odors observed during purging	none	none	none	none	none
Sheen observed in purge water	none	none	none	none	none
Well cap & lock replaced? (Y/N)	Y	Y	Y	Y	Y
Field Temp. (°C):					
Reading 1/Time of Reading	11.7/3:19 PM	8.2/8:50 AM	12.3/10:05 AM	12.5/1:45 PM	11.5/7:27 AM
Reading 2/Time of Reading	12.7/3:22 PM	9.9/8:57AM	12.6/10:08 AM	12.5/1:48 PM	12.1/7:30 AM
Reading 3/Time of Reading	12.9/3:25 PM	11.1/9:00 AM	12.9/10:10 AM	13.1/1:50 PM	12.1/7:35 AM
Reading 4/Time of Reading	11.1/3:36 PM	11.0/9:00 AM	12.7/10:12 AM	13.6/1:53 PM	12.1/7:38 AM
Reading 5/Time of Reading	12.8/3:39 PM	11.2/9:06 AM	12.8/10:14 AM		
Reading 6/Time of Reading	12.6/3:42 PM				
Reading 7/Time of Reading	12.5/3:44 PM				
Reading 8/Time of Reading	12.7/3:46 PM				
Field pH (std. units):					
Reading 1	6.32	5.96	5.14	6.17	5.89
Reading 2	6.41	6.74	5.27	6.22	5.95
Reading 3	6.44	6.83	5.40	6.24	5.98
Reading 4	6.12	6.88	5.48	6.24	6.01
Reading 5	6.19	6.89	5.51		
Reading 6	6.27				
Reading 7	6.32				
Reading 8	6.38				
Field Conductivity (µS/cm):					
Reading 1	1,382	1,557	916	816	821
Reading 2	1,400	1,503	865	805	880
Reading 3	1,364	1,526	884	810	884
Reading 4	1,396	1,471	890	796	878
Reading 5	1,283	1,452	900		
Reading 6	1,263				
Reading 7	1,267				
Reading 8	1,289				
Sampling Parameters: See Table # Sample Identification, Coordinates, and Requested Analysis.					
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