Well Number: MW-10	Project Name:	
Project Number: 410-1C	Date: 12/12	Weather: Cool, Sprinklers
Development / Purge Method:	Well Screen Interval: 4.5 to 14.5	Tidally Influenced?
Logged By:	Water Depth Start: 10.94	Field Comments: Sampled From 14'
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1126	1129	1132	1135	1140			
Water Level	11.34	11.90	12.11	12.20	12.33			
pH	6.13	6.11	6.05	6.06	6.06			
Conductivity	0.490	0.488	0.489	0.490	0.488			
Temperature	13.04	13.11	13.38	13.56	13.54			
ORP	-93	-94	-99	-105	-106			
Turbidity	0.3	0.6	0.7	0.0	0.0			
Color	Clr							
Dissolved Oxygen	1.1	0.9	0.0	0.0	0.0			
Purge Volume	0.25 gal	0.5 gal	0.7	1.0	1.5			

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated Tubing
Water Level Start: 10.94
Sampling Method: Pes. Pump
Filter Type: Not Filtered

Sample Number: MW-10, 1200, 12/12 (time, date)
Water Level Finish:
Field comments: Sampled @ Dropping Tide

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Well Number: MW-11	Project Name: BEC	
Project Number: 01-410-K	Date: 11/26/16	Weather:
Development / Purge Method: P-Pump	Well Screen Interval: 8 to 20	Tidally Influenced? YES GOING OUT
Logged By: KARIS	Water Depth Start: 9.42	Field Comments: SET TUBE @ 11.5 MOVED TO 12.5' MOVED TO 13.5 @ TIME OF SAMPLING
Purge Water Disposal Method: DRUM	Water Depth Finish:	
Purge Water Disposal Volume: 1.75 GAL	Bails Dry? Yes No What Volume? N/A	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one) HAD PUMP SET AS SLOW AS IT WOULD GO

Time	1404	1407	1410	1413	1416	1419	1422	1425	1428	
Water Level	10.25	10.34	10.43	10.53	10.70	10.90	11.11	11.33	11.50	
pH	6.40	6.39	6.39	6.39	6.38	6.38	6.38	6.38	6.38	
Conductivity	0.776	0.777	0.777	0.778	.777	.768	7.67	.769	.771	
Temperature	14.19	14.14	14.13	14.15	14.19	14.15	14.13	14.12	14.13	
ORP	-62	-65	-67	-68	-70	-72	-73	-74	-75	
Turbidity	7.7	4.6	7.0	4.6	5.0	7.5	6.2	6.4	6.4	
Color	CLEAR	→	→	→	→	→	→	→	→	
Dissolved Oxygen	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Purge Volume	~.5 GAL	~.75 GAL		~1 GAL			1.25 GAL		1.5 GAL	

Well Sampling Information (complete if well is sampled)

Decon Method: ALCONOX
Water Level Start: 9.42
Sampling Method: P. Pump
Filter Type: 45 MIC

Sample Number: MW-11
Water Level Finish: 12.5 AFTER PUMP OFF WATER SLOWLY CAME UP
Field comments: DO = 10.41 IN ~ 15-20 MIN

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Well Number: MW-12	Project Name: BFC	
Project Number: 01-410-K	Date: 11/26/16	Weather: PARTLY CLOUDY COLD
Development / Purge Method: P. Pump	Well Screen Interval: 8 to 18	Tidally Influenced?
Logged By: KALEIS	Water Depth Start: 7.79	Field Comments: SET TUBE @ ≈10.5 AT TIME OF SAMPLING
Purge Water Disposal Method:	Water Depth Finish: 7.91 (15-20 min AFTER PUMP OFF)	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume? N/A	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one) Hand Pump on Low

Time	1528	1531	1534	1537	1540	1543	1546	1549	1552	1555
Water Level	8.41	8.49	8.55	8.61	8.64	8.68	8.71	8.74	8.76	8.79
pH	6.03	6.02	6.02	6.03	6.03	6.03	6.03	6.08	6.06	6.08
Conductivity	0.377	0.381	0.382	0.383	0.385	0.386	0.386	3.97	3.89	3.90
Temperature	14.10	14.27	14.38	14.44	1451	14.54	1458	14.63	14.65	14.68
ORP	85	75	68	66	64	61	54	35	24	22
Turbidity	41.1	21.8	13.6	9.9	9.2	8.0	7.1	6.3	6.5	6.9
Color	CLEAR	→	→	→	→	→	→	→	→	
Dissolved Oxygen	2.06	1.85	0.91	0.26	0.00	0.00	0.00	0.00	0.00	0.00
Purge Volume	≈0.75 Gal		≈1.0 Gal	1.25 Gal			≈1.75 Gal	2 Gal	2.25	2.50

Well Sampling Information (complete if well is sampled)

Decon Method:
Water Level Start: 7.79
Sampling Method: ~~P.P~~ P. Pump
Filter Type: 45 m

Sample Number: MW-12
Water Level Finish: 7.91
Field comments:

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Well Number: MW13	Project Name: BFL	
Project Number: 410-K	Date: 11/29/16	Weather: Cloudy
Development / Purge Method: Peristaltic Pump	Well Screen Interval: 4 to 24	Tidally Influenced? Yes Going Out
Logged By: KAMIS	Water Depth Start: 12.22	Field Comments: SET TUBE @ = 2' BELOW H2O SURFACE
Purge Water Disposal Method: Drum	Water Depth Finish: 12.43	
Purge Water Disposal Volume: ~5 Gal	Bails Dry? Yes No What Volume? N/A	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	8:24	8:28	8:31	8:34	8:38	8:41	8:44	8:48	8:51	8:54
Water Level	12.29	12.28	12.29	12.30	12.31	12.31	12.32	12.32	12.33	12.33
pH	6.63	6.63	6.62	6.61	6.61	6.60	6.59	6.60	6.60	6.59
Conductivity mS/cm	.562	.549	.512	.462	.48	.407	.399	.392	.386	.373
Temperature	16.00	16.12	15.79	15.63	15.43	15.22	15.30	15.26	15.07	15.09
ORP /mV	32	23	12	2	-9	-15	-21	-24	-30	-34
Turbidity NTU	350	244	300	196	80	12	5	4.5	4.1	3.7
Color	Clear	→								
Dissolved Oxygen mg/L	2.70	2.31	2.06	1.93	1.84	1.83	1.75	1.71	1.69	1.63
Purge Volume	0.5 gal	1 gal	1.5 gal	2.0 gal	2.5	3.0 gal	3.5	4.0	4.5	5

Well Sampling Information (complete if well is sampled)

Decon Method: Alconox
Water Level Start: 12.29
Sampling Method: P Pump
Filter Type: .45 micron

Sample Number: MW13
Water Level Finish: 12.43
Field comments:

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1st Field Dup

Well Number: MW-14 / MW-A **Project Name:** BFC

Project Number: 410-K	**Date:** 11/29/16	**Weather:** CLOUDY COLD
Development / Purge Method: PERISTALTIC	**Well Screen Interval:** 4 to 24	**Tidally Influenced?** YES GOING OUT
Logged By: KARES	**Water Depth Start:** 13.38	**Field Comments:** TUBE SET @ 15.5
Purge Water Disposal Method: DRUM	**Water Depth Finish:** 13.69	
Purge Water Disposal Volume: 3.75 GAL	**Bails Dry?** Yes No **What Volume?** N/A	**Well Conditions:** OK (Not OK) MONUMENT PAD BROKEN
		Explain: BEING DECOMMISSIONED

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1023	1026	1029	1032	1035	1038	1041	1044	1047	1050
Water Level	13.55	13.57	13.58	13.60	13.64	13.64	13.65	13.68	13.69	13.72
pH	6.36	6.42	6.42	6.42	6.42	6.44	6.44	6.44	6.43	6.44
Conductivity mS/cm	0.718	0.712	0.708	0.704	0.703	0.700	0.699	0.695	0.691	0.688
Temperature °C	13.51	14.16	14.51	14.78	14.82	14.95	14.93	14.88	14.88	14.90
ORP ORP mV	-105	-116	-122	-125	-128	-129	-131	-132	-133	-133
Turbidity NTU	43.1	38.3	33.0	23.7	14.0	8.5	3.5	2.8	2.8	1.7
Color	CLEAR →									→
Dissolved Oxygen mg/L	3.15	1.45	0.51	0.03	0.00	0.05	0.00	0.00	0.00	0.00
Purge Volume	≈.5 GAL	≈.75 GAL	≈1 GAL	≈1.25	≈1.25	≈1.5	~~1.5~~	2.25	2.5	2.75

Well Sampling Information (complete if well is sampled)

Decon Method: ALCONOX
Water Level Start: 13.38
Sampling Method: PERISTALTIC
Filter Type: .45 MICRON

Sample Number: MW-14
Water Level Finish: 13.69
Field comments:

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Well Number: MW-16	Project Name: BFC	
Project Number: 410-1K	Date: 11/29/16	Weather: CLOUDY COLD
Development / Purge Method:	Well Screen Interval: 9.5 to 24.5	Tidally Influenced? YES
Logged By: KARIS	Water Depth Start: ~~13.62~~ 13.54	Field Comments: TUBE SET @ 15.5' COMING IN
Purge Water Disposal Method: DRUM	Water Depth Finish:	
Purge Water Disposal Volume: ≈ 5 GAL	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

NO FLOW CELL HOOK UP ← → FLOW CELL

Time	1221	1224	1227	1230	1233	1236	1239	1242	1245	1248
Water Level	13.~~69~~	13.65	13.63	13.62	13.60	13.60	1360	1360	13.60	13.60
pH	6.40	6.42	6.43	6.44	6.45	6.48	6.48	6.50	6.19	6.21
Conductivity	.001	.001	.001	.001	.001	.001	.001	.001	0.497	0.497
Temperature	10.76	10.78	10.80	10.84	10.87	10.91	10.96	11.00	13.55	14.05
ORP	373	367	359	351	344	338	332	325	-36	-42
Turbidity	114	114	114	114	115	115	115	115	10.1	9.9
Color	CLEAR	→							→	
Dissolved Oxygen	19.52	19.08	19.04	19.01	18.99	18.98	18.95		0.25	0.00
Purge Volume	≈ 0.75 GAL	≈ 1 GAL	≈ 1.25	≈ 1.75 GAL	≈ 2 GAL	≈ 2.5 GAL	≈ 3 GAL	≈ 3.25	≈ 3.5	≈ 3.75

Well Sampling Information (complete if well is sampled)

Decon Method:
Water Level Start: 13.54
Sampling Method: P. PUMP
Filter Type: .45 MICRON

Sample Number: MW-16
Water Level Finish:
Field comments:

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Well Number: MW-16 cont.	Project Name: BFC	
Project Number: 410-1K	Date: 11/29/16	Weather:
Development / Purge Method:	Well Screen Interval: 9.5 to 24.5	Tidally Influenced? YESS
Logged By: KAMM	Water Depth Start: 13.54	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1251	1254	1257					
Water Level	13.60	13.60	13.59					
pH	6.21	6.21	6.20					
Conductivity	0.498	0.497	0.493					
Temperature	14.22	14.33	14.40					
ORP	-51	-54	-57					
Turbidity	5.5	1.3	0.0					
Color	CLEAR →	→	→					
Dissolved Oxygen	0.00	0.00	0.00					
Purge Volume	~4 gal	~4.25	~4.5 gal					

Well Sampling Information (complete if well is sampled)

Decon Method:
Water Level Start: 13.54
Sampling Method: P Pump
Filter Type: 45 Micron

Sample Number:
Water Level Finish: 13.35
Field comments:

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Well Number: MW - 17 | **Project Name:**

Project Number: 01-410-K	Date: 12/6/16	Weather: Sunny / Cool
Development / Purge Method: Parastaltic	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	12:23	12:26	12:30	12:33	12:36	12:39	12:42	12:45
Water Level	~~10.64~~ 13.06	12.78	12.74	12.71	12.71	12.70	12.71	12.73
pH	6.86	6.77	6.75	6.74	6.74	6.74	6.74	6.74
Conductivity	0.569	0.569	0.569	0.568	0.569	0.569	0.568	0.567
Temperature	13.74	14.25	14.24	14.34	14.35	14.39	14.50	14.57
~~Salinity~~ ORP	-8	-7	-6	-5	~~-6~~ -5	-5	-5	-6
Turbidity	207	118	54.6	43.2	31.7	28.1	20.8	22.0
Color	Clr/Rusty Brn	Clr	" "	" "	" "	" "	" "	" "
Dissolved Oxygen in	0.07	0.12	0.10	0.11	0.11	0.11	0.08	0.05
Purge Volume	~1 gal	~1.5	~1.5	~2	~2	~2	~2	~2.5

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: _____

Water Level Finish: _____

Field comments: _____

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Well Number: MW-18	Project Name: BFC	
Project Number: 410-K	Date: 11/30/16	Weather: ~~COOL~~ COLD
Development / Purge Method: P. Pump	Well Screen Interval: 11 to 16'	Tidally Influenced? ?
Logged By: KARIS	Water Depth Start: 7.88	Field Comments: SET TUBE @ ±12'
Purge Water Disposal Method: Drum	Water Depth Finish:	
Purge Water Disposal Volume: 1.25	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1051	1054	1057	1100	1103	1106		
Water Level	—	—	—	—	—	—		
pH	6.23	6.18	6.19	6.19	6.18	6.18		
Conductivity	0.591	0.571	0.569	0.566	0.563	0.563		
Temperature	12.85	14.06	14.09	14.09	14.25	14.28		
ORP	2	23	32	36	40	41		
Turbidity	45.6	66	31.2	13.0	1.2	0.0		
Color	CLEAN	→	→	→	→	→		
Dissolved Oxygen	8.47	3.30	1.25	0.44	0.00	0.00		
Purge Volume	2.5	2.75		≈1 GAL		≈1.25 GAL		

Well Sampling Information (complete if well is sampled)

Decon Method: ALCONOX
Water Level Start: 7.88
Sampling Method:
Filter Type: 45 Micron

Sample Number: MW-18
Water Level Finish:
Field comments:

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Well Number: MW-19	Project Name:	
Project Number: 410-1C	Date: 11/30/16	Weather: CLOUDY COLD
Development / Purge Method: P. Pump	Well Screen Interval: 15 to 20	Tidally Influenced?
Logged By: KAMES	Water Depth Start: 10.21	Field Comments: SEE TUBE @ 1155
Purge Water Disposal Method: Drum	Water Depth Finish: 11.50	
Purge Water Disposal Volume: ≈1.75	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1148	1151	1154	1157	1200	1203	1206	1209
Water Level								
pH	6.30	6.32	6.33	6.33	6.32	6.32	6.32	6.33
Conductivity	0.665	0.663	0.663	0659	0.657	0.655	0.655	0653
Temperature	11.30	11.69	12.02	12.30	12.47	12.58	12.64	12.77
ORP	-26	-37	-44	-48	-51	-53	-53	-55
Turbidity	123	64.9	31.3	14.0	11.5	9.6	9.8	8.2
Color	CLEAR							
Dissolved Oxygen	4.89	3.00	0.89	0.00	0.00	0.00	0.00	0.00
Purge Volume	≈.5	.75	≈.75	≈1 gal		1.25		1.50

Well Sampling Information (complete if well is sampled)

Decon Method: ~~P Pump~~ ALCONOX
Water Level Start: 10.21
Sampling Method: P. Pump
Filter Type: 45 MIC. FILTER

Sample Number: MW-19
Water Level Finish: 11.50
Field comments:

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Well Number: MW-20	**Project Name:** BFC	
Project Number: 417-K	**Date:** 11-30-16	**Weather:** Cold, Windy, Overcast
Development / Purge Method: Pump	**Well Screen Interval:** 15 to 20	**Tidally Influenced?**
Logged By: TW	**Water Depth Start:** 11.43	**Field Comments:** Sampled From 16'
Purge Water Disposal Method:	**Water Depth Finish:**	
Purge Water Disposal Volume:	**Bails Dry?** Yes No **What Volume?**	**Well Conditions:** OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1145	1148	1151	1154	1157	1200		
Water Level	11.43							
pH	6.66	6.65	6.63	6.63	6.62	6.62		
Conductivity	0.582	0.561	0.516	0.507	0.502	0.497		
Temperature	13.98	14.25	14.54	14.59	14.66	14.72		
ORP	-36	-43	-56	-58	-60	-63		
Turbidity	452	249	93.3	29.1	17.7	13.0		
Color								
Dissolved Oxygen	2.70	2.24	1.83	1.77	1.71	1.69		
Purge Volume	1	1.25	1.5	1.75	2.0	2.25		

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated Tubing

Water Level Start: 11.43

Sampling Method: Peristaltic

Filter Type: In-line QuickFilter® 0.45 µm

Sample Number: MW-20

Water Level Finish:

Field comments:

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Well Number: MW-21	Project Name:	
Project Number: 01-0410-K	Date: 11-30-16	Weather: Cool-cold, windy, Overcast
Development / Purge Method: Peri Pump	Well Screen Interval: 17 to 22	Tidally Influenced? Yes
Logged By: ZW	Water Depth Start: 11.44	Field Comments: Sampled From 16'
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1043	1046	1049	1052	1055	1058		
Water Level	11.44							
pH	6.62	6.62	6.62	6.61	6.61	6.61		
Conductivity	0.675	0.677	0.680	0.681	0.680	0.680		
Temperature	11.36	11.49	11.55	11.91	12.09	12.19		
ORP	-26	-29	-39	-49	-55	-57		
Turbidity	36.1	35.1	42.7	32.0	10.1	6.4		
Color								
Dissolved Oxygen	2.55	2.46	2.26	2.11	2.04	1.98		
Purge Volume	1	1.5	1.75	2.0	2.25	2.5		

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated Tubing
Water Level Start: 11.44
Sampling Method: Peristaltic
Filter Type:

Sample Number: MW-21
Water Level Finish: 12.00
Field comments:

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Well Number:	Project Name:	
Project Number: MW-22	Date: 12/6/16	Weather: Clear / Cool
Development / Purge Method: 01-410-K	Well Screen Interval: _____ to _____	Tidally influenced?
Logged By: JT	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	13:30	13:33	13:36	13:39	13:42	13:45	—	~~13:51~~
Water Level	9.97							
pH	7.17	7.17	7.17	7.13	7.11	7.09		
Conductivity	0.448	0.416	0.380	0.360	0.347	0.342		
Temperature	14.13	14.77	15.38	15.59	15.70	15.75		
ORP	-19	-50	-68	-74	-78	-79		
Turbidity	13.4	11.9	9.4	7.0	5.1	3.6		
Color	Clr	Clr	Clr	Clr	Clr	Clr		
Dissolved Oxygen	8.36	8.22	7.83	7.44	4.10	3.11		
Purge Volume								

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: _____

Water Level Finish: _____

Field comments: _____

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Well Number: MW-23/MW-C	Project Name:	
Project Number: 01-410-K	Date: 12/6	Weather:
Development / Purge Method: Per. Pump	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1102	1110	1115					
Water Level	10.3	10.3	10.3					
pH	6.82	6.78	6.76					
Conductivity	0.607	0.605	0.599					
Temperature	13.35	13.70	14.22					
ORP	24	12	14					
Turbidity	4.6	3.1	3.4					
Color	Clr							
Dissolved Oxygen ~~mg/l~~ %	8.19	7.42	7.19					
Purge Volume	1 gal	2.0	2.5					

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: _____

Water Level Finish: _____

Field comments: _____

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Well Number: MW-24	Project Name:	
Project Number: 410-K	Date: 12/6/16	Weather: Sunny, Cold
Development / Purge Method:	Well Screen Interval: 8.65 to 13.65	Tidally Influenced? No
Logged By:	Water Depth Start: 10.34	Field Comments: well pumps dry
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? (Yes) No What Volume? 0.4 Gal	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	830	840	843	846	850	855		
Water Level	10.34	11.34						
pH		8.27	7.97	7.56	7.46	7.33		
Conductivity		0.897	0.885	0.874	0.872	0.876		
Temperature		7.16	7.23	7.52	7.55	7.54		
ORP		-86	-87	-83	-82	-83		
Turbidity		106	98.5	84.8	80.2	75.0		
Color	clr	clr						
Dissolved Oxygen		0.95	0.94	0.99	1.01	0.99		
Purge Volume		0.2 Gal	0.4	0.5	0.6	0.7		

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: _____

Water Level Finish: _____

Field comments: _____

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Well Number: MW-25	Project Name:	
Project Number:	Date: 12/6/16	Weather:
Development / Purge Method:	Well Screen Interval: 9 to 14	Tidally Influenced?
Logged By:	Water Depth Start: 8.94	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	9:51	9:54	957	1000	1005			
Water Level	8.94							
pH	7.23	7.02	6.96	6.84	6.84			
Conductivity	0.393	0.380	0.378	0.374	0.378			
Temperature	10.93	12.17	12.46	12.69	12.61			
ORP	35	59	65	81	81			
Turbidity	61.0	42.2	40.5	15.1	14.7			
Color								
Dissolved Oxygen	2.89	2.15	1.99	1.43	1.40			
Purge Volume	0.2	0.3	0.4	0.6	0.8			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: _____

Water Level Finish: _____

Field comments: _____

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Well Number:	MW-26D	Project Name:	BFC	
Project Number:	410-K	Date:	11/30/16	Weather: Cloudy Cold
Development / Purge Method:	P. Pump	Well Screen Interval:	13' to 23'	Tidally Influenced? YES
Logged By:	KAMES	Water Depth Start:	12.29	Field Comments: SET TURE @ 218'
Purge Water Disposal Method:	DRUM	Water Depth Finish:	12.19	
Purge Water Disposal Volume:		Bails Dry? Yes (No) What Volume?	N/A	Well Conditions: (OK) Not OK
				Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1302	1305	1308	1311	1314	1317	1320	1323	1326	1329
Water Level	12.33	12.33	12.34	12.34	12.33	12.32	12.32	12.31	12.31	12.31
pH	6.75	6.72	6.65	6.57	6.50	6.46	6.42	6.39	6.38	6.36
Conductivity ms/cm	0.851	0.819	0.734	0.653	0.594	0.562	0.533	0.515	0.505	0.491
Temperature °C	13.30	13.87	13.99	14.01	14.01	14.02	14.01	14.00	14.00	14.07
ORP	-81	-93	-91	-87	-75	-71	-66	-65	-64	-61
Turbidity NTU	71.2	36.1	25.2	16.5	12.6	10.6	8.9	7.3	6.6	5.6
Color	CLEAR							→		→
Dissolved Oxygen mg/L	3.58	0.59	0.02	0.0	0.00	0.00	0.00	0.00	0.00	0.00
Purge Volume	≈.75		≈1.5gal	≈2gal	2.5gal	2.75gal	3gal	3.5gal	4gal	4.5

Well Sampling Information (complete if well is sampled)

Decon Method: ALCONOX
Water Level Start: 12.29
Sampling Method: P. Pump
Filter Type: 45 Microns

Sample Number: MW-26D
Water Level Finish: 12.19
Field comments:

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Well Number: MW-26D cont.	Project Name: BFL	
Project Number: 410K	Date: 11/30/16	Weather:
Development / Purge Method:	Well Screen Interval: 18 to 23'	Tidally Influenced?
Logged By: KMMS	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1332	1335	1338					
Water Level	12.31	12.31	12.31					
pH	6.36	6.34	6.34					
Conductivity	0.494	0.478	0.470					
Temperature	14.02	14.02	14.01					
ORP	-61	-60	-60					
Turbidity	5.5	4.8	5.0					
Color	CLEAR							
Dissolved Oxygen	0.00	0.00	0.00					
Purge Volume	14.5	≈5	25.5					

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: _____

Water Level Finish: _____

Field comments: _____

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Well Number: MW-26	Project Name:	
Project Number: 01-0410-K	Date: 11-30-16	Weather: Cold, Windy, Overcast
Development / Purge Method:	Well Screen Interval: 7 to 12	Tidally Influenced? No
Logged By:	Water Depth Start: 8.02	Field Comments: Sampled From 10'
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1248	1302	1305	1308	1311	1314	1317	
Water Level	8.02	8.17	8.18	8.20	8.18	8.18	8.09	
pH		6.73	6.69	6.67	6.64	6.63	6.6	
Conductivity		0.370	0.377	0.384	0.387	0.387	0.388	
Temperature		14.89	15.29	15.37	15.31	15.28	15.27	
ORP		-29	-37	-39	-39	-39	-36	
Turbidity		36.1	26.4	17.9	7.3	4.5	2.0	
Color		clr	→	→	→	→		
Dissolved Oxygen		2.92	2.14	1.98	1.83	1.79	1.69	
Purge Volume		1	1.2	1.5	1.75	2.0	2.25	

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated Tubing

Water Level Start: 8.09

Sampling Method: Peristaltic

Filter Type:

Sample Number: MW-26

Water Level Finish: 8.09

Field comments:

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Well Number: 27D	Project Name: BFC	
Project Number: 410	Date: 11/28/16	Weather: Partly Cloudy
Development / Purge Method:	Well Screen Interval: 14.5 to 21.5	Tidally Influenced? Yes
Logged By:	Water Depth Start: 11.58	Field Comments:
Purge Water Disposal Method: Onsite	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	15:06	15:10	15:13	15:16	15:19	15:22	15:25	
Water Level	11.55	11.53	11.51	11.51	11.50	11.48	11:48	
pH	6.43	6.43	6.49	6.50	6.51	6.51	6.51	
Conductivity MS/cm	.706	.688	.642	.605	.559	.552	.532	
Temperature °C	14.68	14.68	14.82	14.86	14.92	14.89	14.89	
ORP/mV	.40	.43	.48	.53	.56	.57	.58	
Turbidity NTU	98.0	85.6	57.9	43.5	34.0	27.1	23.8	
Color	Clear							
Dissolved Oxygen mg/L	2.03	1.95	1.82	1.75	1.68	1.63	1.59	
Purge Volume	1 gal	1.25 gal	1.5 gal	1.75+ gal	2.0+ gal	2.5 gal	3.0 gal	

Well Sampling Information (complete if well is sampled)

Decon Method: Alconox
Water Level Start: 11:58
Sampling Method: P. Pump
Filter Type: .45 micron

Sample Number: MW27D
Water Level Finish: 11.48
Field comments: Sampled @ 1530

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Well Number: MW-27S	Project Name:	
Project Number: 410-1C	Date: 11/29/16	Weather: PARTLY CLOUDY COLD
Development / Purge Method: PERISTALTIC	Well Screen Interval: 7' to 12'	Tidally Influenced?
Logged By: KARIS	Water Depth Start: 8.25	Field Comments: SET TUBE @ ≈ 10'
Purge Water Disposal Method: 55 Gal Drum	Water Depth Finish: 8.25	
Purge Water Disposal Volume: 1.25 Gal	Bails Dry? Yes No What Volume? N/A	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1510	1513	1516	1519	1522	1525	1528	1531	1534	1540
Water Level	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30	8.30
pH	6.15	6.18	6.18	6.18	6.22	6.22	6.21	6.21	6.21	6.21
Conductivity ms/cm	1.17	1.17	1.16	1.15	1.15	1.14	1.14	1.13	1.13	1.11
Temperature °C	13.96	14.10	14.15	14.21	14.29	14.33	14.38	14.42	14.44	14.44
ORP ORP mV	142	141	140	139	137	136	135	133	133	129
Turbidity NTU	0.3	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Color	CLEAR	→	→	→	→	→	→	→	→	→
Dissolved Oxygen mg/L	3.90	3.65	3.37	3.29	3.13	3.22	3.01	2.97	2.97	2.98
Purge Volume	0.25			0.5 Gal			0.75 Gal			1.25 Gal

Well Sampling Information (complete if well is sampled)

Decon Method:
Water Level Start: 8.25
Sampling Method: PERISTALTIC
Filter Type:

Sample Number: MW-27S
Water Level Finish: 8.25
Field comments:

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MW-

Well Number: 28-D | **Project Name:** BFC

Project Number: 410-K	**Date:** 11/28/16	**Weather:** Cloudy
Development / Purge Method: PERISTALTIC	**Well Screen Interval:** 18 to 23	**Tidally Influenced?** YES (INCOMING)
Logged By: KANES	**Water Depth Start:** ~~12.00~~ 12.08	**Field Comments:** 23 - 12 = 11 17.50 SET TUBE@
Purge Water Disposal Method: 55GAL DRUM	**Water Depth Finish:** 12.00	
Purge Water Disposal Volume: ≈ 3 GAL	**Bails Dry?** Yes (No) **What Volume?**	**Well Conditions:** (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

*											
*	Time	12:24	12:28	12:31	12:34	12:37	12:40	12:43	12:46	12:49	12:53
*	Water Level	12.05	12.06	12.4	12.05	12.04	12.04	12.02	12.02	12.02	12.00
*	pH	6.56	6.51	6.48	6.47	6.47	6.46	6.46	6.46	6.45	6.45
*	Conductivity mS/cm	0.213	0.196	0.198	0.200	0.204	0.203	0.205	0.208	0.214	0.218
*	Temperature °C	14.63	15.06	15.09	15.07	15.04	15.04	15.02	15.06	15.06	15.07
*	ORP ORP mV	-71	-70	-70	-70	-71	-72	-72	-74	-74	-75
*	Turbidity NTU	42.5	40.2	30.2	22.2	16.5	8.3	4.8	1.6	0.4	0.0
	Color	CLEAR	SAME								
*	Dissolved Oxygen mg/L	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Purge Volume	~~≈0.25~~	≈0.5	~~≈0.75~~	≈1 GAL	≈1.25	≈1.5 GAL	≈1.75	≈2 GAL	2.25	2.5

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: 12.08
Sampling Method: PERISTALTIC PUMP
Filter Type: _____

Sample Number: MW-28D
Water Level Finish: _____
Field comments: _____

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Well Number: MW-28S	Project Name:	
Project Number: 410-K	Date: 11/28/16	Weather: CLOUDY
Development / Purge Method: PERISTALTIC PUMP	Well Screen Interval: 5' to 12'	Tidally Influenced? NO
Logged By: KARIS	Water Depth Start: 8.22	Field Comments: SET TUB @ 10'
Purge Water Disposal Method: 55GAL DRUM	Water Depth Finish: 8.26	
Purge Water Disposal Volume: 2.25 GAL	Bails Dry? Yes (No) What Volume?	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1317	1320	1323	1326	1329	1332	1335	
Water Level	8.22	8.22	8.26	8.26	8.26	8.26	8.26	
pH	6.32	6.29	6.26	6.26	6.26	6.26	6.26	
Conductivity mS/cm	0.708	0.705	0.694	0.690	0.688	0.689	0.690	
Temperature °C	15.15	15.16	15.27	15.41	15.41	15.42	15.42	
ORP ORP mV	116	118	120	122	123	125	128	
Turbidity NTU	3.2	2.5	1.7	1.0	0.5	0.1	0.0	
Color	CLEAR	→	→	→	→	→	→	
Dissolved Oxygen	5.09	4.61	4.82	4.85	4.90	4.81	4.32	
Purge Volume	~ 1.25 gal		1.5 gal		1.75 gal		~ 2 gal	

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: 8.15
Sampling Method: PERISTALTIC
Filter Type: _____

Sample Number: MW28S
Water Level Finish: 8.14
Field comments: _____

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Well Number: IP-4	Project Name: BFC	
Project Number: 410-K	Date: 11/30/16	Weather:
Development / Purge Method: P. Pump	Well Screen Interval: 8' to 16'	Tidally Influenced?
Logged By: KATIE	Water Depth Start: 9.87	Field Comments: SET TUBING @ 13'
Purge Water Disposal Method: Ram	Water Depth Finish: 10.10'	
Purge Water Disposal Volume: 22.5	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	0900	0903	0906	0909	0912	0915	0918	0921
Water Level	10.36	10.39	10.41	10.43	10.45	10.45	10.46	10.50
pH	6.39	6.41	6.43	6.45	6.43	641	640	6.42
Conductivity mS/cm	1.18	1.19	1.19	1.20	1.22	1.23	1.24	1.25
Temperature	12.36	12.83°C	12.94	13.16	13.15	13.16	1321	13.24
ORP	-130	-134	-138	-140	-142	-144	-144	-146
Turbidity	55.8	49.0	33.1	23.5	18.3	17.2	14.9	14.9
Color	CLEAR	→						
Dissolved Oxygen	1.28	0.45	0.18	0.00	0.00	0.00	0.00	0.00
Purge Volume	≈ .5gal	≈.75gal	≈1gal	≈1.25		≈1.50	≈1.75	≈2gal

Well Sampling Information (complete if well is sampled)

Decon Method:
Water Level Start: 9.87
Sampling Method: P. Pump
Filter Type: 45 micron

Sample Number: IP-4
Water Level Finish: 10.10
Field comments:

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Well Number: IP-5	Project Name:	
Project Number: 0410-K	Date: 11/30/16	Weather: Cool Windy overcast
Development / Purge Method: Per. Pump	Well Screen Interval: 18 to 24	Tidally Influenced? Y
Logged By: JW	Water Depth Start: 12.92	Field Comments: Sampled From 18'
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	845	855	900	903	906	910		
Water Level	12.92	12.95	13.00	12.98	12.99	13.00		
pH		6.56	6.51	6.49	6.50	6.49		
Conductivity ms/cm		0.629	0.620	0.596	0.582	0.576		
Temperature		11.08	12.30	12.33	12.43	12.48		
ORP /mV		16	-35	-36	-43	-47		
Turbidity NTU		24.5	40.7	36.8	16.2	6.3		
Color		clr						
Dissolved Oxygen mg/L		3.28	2.29	2.23	2.08	1.99		
Purge Volume		1 Gal	1.5 Gal	1.75 gal	2 gal	2.25 gal		

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated Tubing
Water Level Start: 13.00
Sampling Method: Peristaltic
Filter Type:

Sample Number: IP-5
Water Level Finish: 13.00
Field comments:
★ Field Dup MW-13

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Daily Field Notes	Project Name:
Project Number:	Page _____ of _____
Date:	Weather:
Started:	Other Information:
Completed:	

Diary

3/23 Test water level indicators

MW-28D	12 ft	Red solinst	8:45
	11.76 ft	(Yellow)	
MW-28S	6.66		8:50
MW-27D	11.94		900
27S	7.23		901
26D	12.24		905
26S	6.92		906
MW-25	7.38		908
MW-29	8.73		912
MW-21	12.67		915
MW-18	6.96		918
MW-19	10.31		925
IP-3	12.96		930
IP-4	8.01		935
IP-5	13.8	(big burp)	950
MW-23	8.63		~~1000~~
MW-22	8.92		1010
IP-7		(big burp)	1020
MW-20	11.89	(burp)	~~1015~~

IP-7 15.12 depth to H_2O

12.30 depth to prod

Approved: _____ Signed: _____ g-logics

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BFC

Well Number: MW-26S	Project Name:	
Project Number: 410-K	Date: 3/24	Weather: SUN
Development / Purge Method:	Well Screen Interval: 7 to 12	Tidally Influenced?
Logged By:	Water Depth Start: 6.81	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1137	1145	1155	1205	1210			
Water Level	6.81	6.95	6.96	6.98	6.98			
pH		6.20	6.14	6.14	6.13			
Conductivity		0.244	0.245	0.246	0.248			
Temperature		10.06	10.08	10.04	10.05			
ORP		106	110	108	108			
Turbidity		5.7	2.2	1.3	0.6			
Color								
Dissolved Oxygen		0/0	0/0	0/0	0/0			
Purge Volume	Ø	1.2	2.0	3.0	3.5			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-26S-03242017 @ 1215

Water Level Finish: _____

Field comments: _____

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Well Number: MW-25	**Project Name:** BFC	
Project Number: 01-0410-K	**Date:** 3/23	**Weather:** Sunny
Development / Purge Method:	**Well Screen Interval:** _____ to _____	**Tidally Influenced?**
Logged By: ZW	**Water Depth Start:**	**Field Comments:**
Purge Water Disposal Method:	**Water Depth Finish:** 7.75 (Red Solvent)	
Purge Water Disposal Volume:	**Bails Dry?** Yes No **What Volume?**	**Well Conditions:** OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	935	940	945	950	955			
Water Level								
pH	8.93	7.92	7.62	7.43	7.36			
Conductivity	0.489	0.474						
Temperature	10.67	11.22	11.30	11.55	11.61			
ORP	103	119	125	128	130			
Turbidity	88.8	112	~~125~~ 69.9	62.8	59.5			
Color	Clr							
Dissolved Oxygen mg/L %	0 / 0	%	%	%	%			
Purge Volume	1 Gal	1.5	1.75	2.0	2.25			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: @ 1000

Water Level Finish: _____

Field comments: _____

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Low tide @ 9:30

Well Number: MW-23	Project Name: BFC	
Project Number: 410-K	Date: 3/23	Weather: Partly Cloudy
Development / Purge Method: Per.	Well Screen Interval: 5.5 to 15.5	Tidally Influenced? / Yes
Logged By: ZV	Water Depth Start: 9.0 Ref Solinst	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1045	1050	1055	1100	1105			
Water Level	9.00	9.00	8.93	8.94	8.95			
pH	6.35	6.35	6.39	6.40	6.43			
Conductivity	0.658	0.658	0.660	0.660	0.658			
Temperature	11.71	11.73	11.70	11.66	11.66			
ORP	169	166	160	155	152			
Turbidity	Ø	Ø	0.4	Ø	Ø			
Color	clr	clr	clr	clr	clr			
Dissolved Oxygen	%	%	%	%	%			
Purge Volume	1.5	2.0	2.5	3.0	3.5	~~4.0~~	~~4.5~~	~~5.0~~

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-23-20170323 @ 1100

Water Level Finish: _____

Field comments: _____

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Well Number:	Project Name:	
Project Number: 1105-A	Date: 3/23	Weather: Cloudy, 50°F
Development / Purge Method: Peristaltic	Well Screen Interval: 7 to 14	Tidally Influenced? Y
Logged By: JT	Water Depth Start: 8.93	Field Comments:
Purge Water Disposal Method: Drum	Water Depth Finish:	
Purge Water Disposal Volume: 1.2	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1115	1120	1125	1130	1135	1140		
Water Level	~~7.32~~ 8.93	—	—		—			
pH	7.30	7.01	6.93	6.91	6.90	6.88		
Conductivity	0.45	0.518	0.545	0.566	0.578	0.581		
Temperature	11.88	12.57	12.50	12.85	12.87	12.88		
ORP	61	11	9	6	5	5		
Turbidity	19.7	16.9	7.7	4.7	2.9	3.8		
Color	Clr	Clr	Clr	Clr	Clr	Clr		
Dissolved Oxygen	0.00	0.13 mg/L	0.13	0.08	0.11	0.05		
Purge Volume (gallon)	0.2	0.2	0.2	0.2	0.2	0.2		

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated Tubing
Water Level Start: 8.98
Sampling Method:
Filter Type:

Sample Number: MW-22
Water Level Finish:
Field comments: Samples collected @ ~~1515~~ 1150

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Well Number: MW-24	Project Name:	
Project Number:	Date: 3/23	Weather: Cloudy
Development / Purge Method:	Well Screen Interval: 8.65 to 13.65	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? (Yes) No What Volume? 1/2 Gallon	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1143	1148	1200					
Water Level								
pH	6.44	6.53	6.53					
Conductivity	1.32	1.26	1.29					
Temperature	11.99	12.17	12.16					
ORP	24	3	Ø					
Turbidity	30	77.1	79.3					
Color	Clr/Gry	Clr	Clr					
Dissolved Oxygen	0%	0%	0%					
Purge Volume	0.5	0.75	1.25					

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-24-3232017 @ 1200

Water Level Finish: _____

Field comments: _____

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Well Number:	Project Name:	
Project Number:	Date: 3/23	Weather: Cloudy, Sunny 55°F
Development / Purge Method:	Well Screen Interval: 15 to 25	Tidally Influenced? Y
Logged By:	Water Depth Start: 11.53	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1240	1245	1250	1255	1300	1305	1310	
Water Level	11.53	—	—	—	—	—	—	11.31
pH	6.75	6.66	6.63	6.62	6.61	6.61	6.61	
Conductivity	0.515	0.499	0.474	0.457	0.444	0.438	0.432	
Temperature	14.64	14.70	14.81	14.90	15.02	15.05	15.10	
ORP	-42	-51	-54	-57	-59	-60	-62	
Turbidity	79.3	22.2	11.8	9.1	3.9	1.4	0.4	
Color	Clr	Clr	Clr	Clr	Clr	Clr	Clr	
Dissolved Oxygen	0.79	0.73	1.24	1.37	1.36	1.34	2.00	
Purge Volume gal	0.163	0.163	0.163	0.163	0.163	0.163	0.3	

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: 11.53
Sampling Method: _____
Filter Type: _____

Sample Number: MW-20
Water Level Finish: 11.31
Field comments: Sampled @ 1315

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Well Number: IP-3	Project Name:	
Project Number: 01-410-K	Date: 3/23	Weather: Sunny
Development / Purge Method: PERI	Well Screen Interval: 18 to 24	Tidally Influenced? / Yes
Logged By: ZW	Water Depth Start: 12.8	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes (No) What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1319	1325	1330	1335	1340			
Water Level	12.8	12.8	12.8	12.78	12.78			
pH	6.35	6.25	6.23	6.22	6.21			
Conductivity	0.527	0.504	0.479	0.424	0.420			
Temperature	14.11	14.20	14.24	14.29	14.29			
ORP	13	8	5	2	2			
Turbidity	7.7	1.9	0.8	Ø	Ø			
Color	clr	clr	clr	clr	clr			
Dissolved Oxygen	0/0	0/0	0/0	0/0	0/0			
Purge Volume	0.5	1.0	1.5	2.0	2.5			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: IP-3-3232017 @ 1400

Water Level Finish: 12.78

Field comments: _____

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Well Number:		Project Name:	
Project Number: 01-0410-K	Date: 3/23		Weather:
Development / Purge Method:	Well Screen Interval: 15- to 20		Tidally Influenced?
Logged By:	Water Depth Start: 9.97		Field Comments:
Purge Water Disposal Method:	Water Depth Finish:		
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?		Well Conditions: OK Not OK
			Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1355	1400	1405	1410	1415	1420		
Water Level	9.43	—	—	—				
pH	6.62	6.63	6.63	6.63	6.63	6.63		
Conductivity	0.499	0.505	0.509	0.513	0.509	0.508		
Temperature	18.09	17.99	17.84	17.73	17.79	17.81		
ORP	-8	-2	-8	-13	-16	-17		
Turbidity	15.5	10.9	6.3	1.6	0.0	0.0		
Color	Clr	Clr	Clr	Clr	Clr	Clr		
Dissolved Oxygen	1.29	0.15	0.00	0.00	0.0	0.0		
Purge Volume	0.2	0.2	0.2	0.2	0.2	0.2		

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated tubing
Water Level Start: 9.97
Sampling Method:
Filter Type:

Sample Number: MW-19
Water Level Finish: 9.88
Field comments: Sampled @ 1425

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Field Dup *

Well Number: IP-5	Project Name: BFC	
Project Number: 410-K	Date: 3/23	Weather: Sunny
Development / Purge Method: Peri.	Well Screen Interval: 18 to 24	Tidally Influenced? Y
Logged By: ZW	Water Depth Start: 13.46	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Balls Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1400	1405	1410	1415	1420	1425	1430	1435	1440
Water Level	13.46	13.44	13.61	13.50	13.50	13.48			
pH	6.14	6.13	6.13	6.16	6.16	6.17			
Conductivity	0.614	0.616	0.616	0.601	0.563	0.510			
Temperature	14.3	14.36	14.41	14.42	14.47	14.52			
ORP	17	17	16	12	9	7			
Turbidity	15.8	13.1	13.1	8.9	8.2	6.2			
Color	clr	clr	clr	clr	clr	clr			
Dissolved Oxygen	0/0	0/0	0/0	0/0	0/0	0/0			
Purge Volume	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: IP-5-3232017 @ 1440

Water Level Finish: FD-1 (FD-1-3232017)

Field comments: _____

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Well Number: IP-4	Project Name: AFC	
Project Number:	Date: 3/20	Weather:
Development / Purge Method:	Well Screen Interval: 8 to 16	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1520	1525	1530	1535	1540	1545		
Water Level								
pH	6.50	6.50	6.50	6.53	6.54	6.56		
Conductivity	0.952	0.959	0.977	0.996	1.00	1.01		
Temperature	13.50	13.40	13.44	13.42	13.41	13.51		
ORP	-10	-14	-25	-33	-38	-40		
Turbidity	18.9	15.9	13.3	12.3	11.5	10.0		
Color	clr + silty	clr	clr	clr	clr	clr		
Dissolved Oxygen	o/o	o/o	o/o	o/o	o/o	o/o		
Purge Volume	1.0	1.5	2.0	2.5	3.0	3.5		

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: IP-4-3232017 @ 1530

Water Level Finish: _____

Field comments: Initially very turbid, cleared up @ 1.0 gal

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Well Number:	Project Name:	
Project Number: 0410-K	Date: 3/23/17	Weather: Sunny, ptly cloudy 55°
Development / Purge Method:	Well Screen Interval: 11 to 16	Tidally Influenced? Y?
Logged By: JT	Water Depth Start: 6.94	Field Comments:
Purge Water Disposal Method: Drum	Water Depth Finish: 7.13	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1520	1525	1530	1535	1540			
Water Level	6.94	–	–		–			
pH	6.66	6.60	6.58	6.56	6.56			
Conductivity	0.516	0.513	0.510	0.509	0.509			
Temperature	13.47	13.20	13.06	13.09	13:07			
ORP	105	99	97	97	97			
Turbidity	0.6	0.0	0.0	0.0	0.0			
Color	Clr	Clr	Clr	Clr	Clr			
Dissolved Oxygen	0.0	0.0	0.0	0.0	0.0			
Purge Volume	0.3	0.3	0.3	0.3	0.3			

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated Tubing
Water Level Start: 6.94
Sampling Method:
Filter Type:

Sample Number: MW-18
Water Level Finish: Sampled @ 1545
Field comments: H_2O @ 7.13

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Well Number: MW-21	Project Name: BFC	
Project Number: 410-K	Date: 3/23	Weather:
Development / Purge Method: Peri	Well Screen Interval: 15 to 20	Tidally influenced?
Logged By: JS	Water Depth Start: 11.79	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 12.34	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1620	1625	1630	1635	1640			
Water Level	11.79	—	—	—				
pH	6.56	6.56	6.58	6.58	6.58			
Conductivity	0.519	0.562	0.585	0.607	0.610			
Temperature	18.08	16.95	16.24	15.91	15.89			
ORP	-38	-54	-59	-65	-67			
Turbidity	1.0	4.9	2.0	Ø	Ø			
Color	Clr	clr	clr	clr	clr			
Dissolved Oxygen mg/L	1.45	2.1	2.18	2.17	2.16			
Purge Volume	0.2	0.2	0.75	1.2	1.5			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: 11.79

Sampling Method: _____

Filter Type: _____

Sample Number: MW-21-3232017 @ 1645

Water Level Finish: 12.34

Field comments: _____

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BFC

Well Number: MW-28D	Project Name:	
Project Number: 410-K	Date: 3/24	Weather: Rain, Cool
Development / Purge Method:	Well Screen Interval: 18 to 23	Tidally Influenced? Y
Logged By:	Water Depth Start: 11.82 Red Shirt	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	9:16	9:21	926	934	940	950	1000	
Water Level	11.82		12.9	11.92	11.95	12.0	12.0	
pH		6.42	6.37	6.32	6.30	6.28	6.28	
Conductivity		0.143	0.152	0.164	0.17	0.168	0.175	
Temperature		13.78	14.12	14.17	14.07	14.11	14.20	
ORP		118	85	66	53	47	41	
Turbidity		39	32	31	11.3	4.2	0.9	
Color								
Dissolved Oxygen		0/0	0/0	0/0	0/0	0/0	0/0	
Purge Volume	Ø	.5	1.0	1.75	2.5	3.5	4.5	

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-28D-3242017 @ 1000
FD-2-3242017

Water Level Finish: _____

Field comments: _____

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Well Number:	Project Name:	
Project Number:	Date: 3/29	Weather:
Development / Purge Method:	Well Screen Interval: 14.5 to 21.5	Tidally Influenced?
Logged By:	Water Depth Start: 11.72	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 11.87	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	920	925	930	935	940	945	950	955	1000
Water Level	11.72	—	—	—	—	—	—	—	—
pH	6.59	6.60	6.63	6.65	6.66	6.65	6.65	6.65	6.65
Conductivity	0.848	0.764	0.672	0.526	0.438	0.431	0.375	0.345	0.372
Temperature	10.89	12.19	12.86	13.16	13.31	13.38	13.45	13.48	13.51
ORP	-28	-48	-51	-51	-49	-48	-46	-45	-46
Turbidity	11.6	17.4	16.3	12.7	8.7	7.4	7.0	6.5	6.2
Color	Clr	Clr	Clr	Clr	Clr	Clr	Clr	Clr	Clr
Dissolved Oxygen	4.40	3.41	2.67	2.42	1.96	1.68	1.39	1.38	1.30
Purge Volume	0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated Tubing
Water Level Start: 11.72
Sampling Method:
Filter Type:

Sample Number: MW-27D
Water Level Finish:
Field comments: Samples collected @ 1005

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Well Number:	Project Name:	
Project Number: 0410-K	Date:	Weather:
Development / Purge Method:	Well Screen Interval: 7 to 12	Tidally Influenced?
Logged By: JT	Water Depth Start: 7.23	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 7.31	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1030	1035	1040	1045	1050			
Water Level	7.23	—	—	—	—			
pH	6.71	6.74	6.73	6.73	6.73			
Conductivity	0.972	0.928	0.919	0.941	0.875			
Temperature	11.74	11.74	11.75	11.77	11.79			
ORP	73	113	132	144	152			
Turbidity	2.1	0.4	0.0	0.0	0.0			
Color	Clr	Clr	Clr	Clr	Clr			
Dissolved Oxygen	1.46	0.80	0.64	0.46	0.37			
Purge Volume	0.4	0.4	0.4	0.4	0.4			

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated Tubing
Water Level Start: 7.23
Sampling Method:
Filter Type:

Sample Number: MW-27S
Water Level Finish: 7.31
Field comments: Sample collected @ 1055

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BFC

Well Number: MW-28S	Project Name:	
Project Number: 410-2	Date: 3/24	Weather:
Development / Purge Method:	Well Screen Interval: 5 to 12	Tidally Influenced?
Logged By:	Water Depth Start: 6.8 Rod Solinst	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

x.7 = 3.4

Well Development / Purging (circle one)

Time	1040	1048	1055	1100	1110			
Water Level	6.80	6.95	6.93	6.97	6.98			
pH		6.38	6.35	6.38	6.42			
Conductivity		0.514	0.511	0.507	0.506			
Temperature		12.01	12.02	12.04	12.06			
ORP		83	87	92	93			
Turbidity		0	0	0	0			
Color								
Dissolved Oxygen		0/0	0/0	0/0	0			
Purge Volume		1.0	1.8	2.5	3.5			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-28S-3242017 @ 1115

Water Level Finish: _____

Field comments: _____

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Well Number:	Project Name:	
Project Number:	Date:	Weather:
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By:	Water Depth Start: 12.32	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1130	1135	1140	1145	1150	1155		
Water Level	12.32	—	—	—	—	—		
pH	6.99	6.90	6.80	6.74	6.68	6.65		
Conductivity	0.542	0.526	0.489	0.466	0.477	0.436		
Temperature	13.31	13.51	13.63	13.73	13.77	13.82		
ORP	76	44	29	24	21	19		
Turbidity	28.1	77.4	32.9	22.8	22.3	12.0		
Color	Clr	Clr	Clr	Clr	Clr	Clr		
Dissolved Oxygen	0.76	0.15	0.01	0.0	0.0	0.00		
Purge Volume	0.5	0.5	0.5	0.5	0.5	0.5		

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: 12.32
Sampling Method: _____
Filter Type: _____

Sample Number: MW-26D
Water Level Finish: 12.31 Sampled @ 1200
Field comments: _____

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MW-18 BFC

Well Number:	Project Name:	
Project Number: 410-2	Date: 7/27	Weather:
Development / Purge Method:	Well Screen Interval: 11 to 16	Tidally Influenced?
Logged By:	Water Depth Start: 9.00	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one) 7 x 0.041 = 2.87 x 3 = 8.61 gal

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1115	1125	1130	1135				
Water Level (ft)	9.00	—	—	—				
pH	6.65	6.32	6.29	6.29				
Conductivity (mS/cm)	452.0	447.8	442.1	435.4				
Temperature (F)	12.2	16.5	16.9	16.8				
ORP (mV)	-25	-29.7	-34.1	-40.4				
Turbidity (NTUs)	10.2	2.7	3.0	0.4				
Dissolved Oxygen (mg/L,%)	2.00	1.14	0.78	0.67				
Color	clr	clr	clr	clr				
Purge Volume	0	.75	0.75	1.25				

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-18-7272017 @ 1200

Water Level Finish: _____

Field comments: _____

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MW-19 BF[illegible]

Well Number: | Project Name:

Project Number: 410-K	Date: 7/27	Weather:
Development / Purge Method:	Well Screen Interval: 15 to 25	Tidally Influenced?
Logged By:	Water Depth Start: 10.08 10.07 (7/27)	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 11.94	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one) 10 X 0.041

.4 X 3 1.2 gals

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	935	945	955						
Water Level (ft)	10.08	—	—						
pH	6.30	6.33	6.33						
Conductivity (mS/cm)	554	558	554						
Temperature (F)	15.4	15.4	15.5						
ORP (mV)	-19.1	-53.4	-59.4						
Turbidity (NTUs)	200.0	10.3	-12.3						
Dissolved Oxygen (mg/L,%)	1.21	0.98	0.92						
Color	Clr								
Purge Volume	0.5	1.00	1.5						

Well Sampling Information (complete if well is sampled)

Decon Method:		Sample Number:	MW-19-7272017 @ 1000
Water Level Start:		Water Level Finish:	
Sampling Method:		Field comments:	
Filter Type:			

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MW-20 BFC

Well Number:	Project Name:	
Project Number:	Date: 7/27	Weather: Overcast
Development / Purge Method:	Well Screen Interval: 15 to 20	Tidally Influenced? High Tide
Logged By:	Water Depth Start: 12.05	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

8 x 0.041 = 0.3 x 3 = 1 gal

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	836	845	855	900				
Water Level (ft)	12.05	—						
pH	6.37	6.3	6.38	6.25				
Conductivity (mS/cm)	414.0	401.3	381.1	370.1				
Temperature (F)	15.0	14.8	15.1	15.0				
ORP (mV)	-94.2	-99.7	-101.4	-100.2				
Turbidity (NTUs)	27.3	48.0	12.4	12.7				
Dissolved Oxygen (mg/L,%)	1.01	1.05	0.92	0.97				
Color	clr	clr	clr	clr				
Purge Volume	0.5	0.75	1.00	1.25				

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-20-727217 @ 900

Water Level Finish: _____

Field comments: _____

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MW-21

Well Number:	Project Name:	
Project Number: 410-K	Date: 7/27	Weather: Overcast
Development / Purge Method:	Well Screen Interval: 17 to 22	Tidally Influenced? Yes
Logged By: BW	Water Depth Start: 15.3	Field Comments: Falling Tide
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one) 2" DIA = 0.163 x 3 = 1.5

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1224	1234	1240	1245	1250			
Water Level (ft)	15.3	—	—	—	—			
pH	6.54	6.27	6.23	6.28	6.29			
Conductivity (mS/cm)	454.5	549	562	575	596			
Temperature (F)	16.0	15.4	16.0	16.1	16.1			
ORP (mV)	-65.3	-86.5	-92.1	-99.3	-100.7			
Turbidity (NTUs)	24.0	5.6	5.7	6.2	6.6			
Dissolved Oxygen (mg/L,%)	1.64	0.93	0.9	0.87	0.86			
Color	clr	clr	clr	clr	clr			
Purge Volume	0	0.25	1.0	1.25	1.4			

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: _____
Sampling Method: _____
Filter Type: _____

Sample Number: MW-21-7272017 @ 1300
Water Level Finish: _____
Field comments: _____

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98' of tubing to get to edge of island

Well Number: MW-22	Project Name: BFC	
Project Number: 6410-K	Date: 7/26/17	Weather: Sunny
Development / Purge Method:	Well Screen Interval: 7 to 14	Tidally Influenced?
Logged By: JJ	Water Depth Start: 10.48'	Field Comments:
Purge Water Disposal Method: Drum	Water Depth Finish:	# Sampled @ 12'
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1210	1215	1220	1225	1230	1235	1240	
Water Level (ft)	10.48	—	—	—	—	—	—	—
pH	6.86	6.91	6.91	6.91	6.91	6.90	6.90	
Conductivity (mS/cm)	0.548	0.539	0.536	0.546	0.547	0.541	0.550	
Temperature (F)	22.53	19.52	18.95	18.60	18.83	18.59	18.60	
ORP (mV)	169	116	87	67	58	51	41	
Turbidity (NTUs)	16.7	10.5	0.0	# 1.2	0.0	0.0	0.0	
Dissolved Oxygen (mg/L,%)	0.82	0.75	0.73	0.93	0.99	1.08	0.90	
Color	Clr	Clr	Clr	Clr	Clr	Clr	Clr	
Purge Volume	0.2	0.4	0.6	0.8	1.0	1.2	1.4	

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated
Water Level Start: 10.48
Sampling Method: Low Flow
Filter Type: /

Sample Number: MW-22-~~072617~~ # 7262017
Water Level Finish: 10.80
Field comments: Sampled @ 1245

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MW-23 BFC

Well Number:	Project Name:	
Project Number: 410-K	Date: 7/26	Weather: Sunny
Development / Purge Method:	Well Screen Interval: 5.5 to 15.5	Tidally Influenced?
Logged By: ZH	Water Depth Start: 10.56	Field Comments: Monument Full of water
Purge Water Disposal Method: Drum	Water Depth Finish: 11.49	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one) 5x0.163=4.00

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1130	1135	1145	1155	1200			
Water Level (ft)	11.19	11.30	11.43	11.56	11.90			
pH	6.17	6.22	6.24	6.25	6.28			
Conductivity (mS/cm)	529	527	526	527	528			
Temperature (F)	18.7	18.6	18.58	18.6	18.6			
ORP (mV)	-18.0	-25.7	-31.3	-40.2	-48.1			
Turbidity (NTUs)	-5.2	-1.2	7.2	17.7	24.8			
Dissolved Oxygen (mg/L,%)	1.06	0.98	0.89	0.84	0.80			
Color	clr	clr	clr	clr	clr			
Purge Volume	2	2.5	3.0	3.5	3.75			

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: _____
Sampling Method: _____
Filter Type: _____

Sample Number: MW-23-7262017 @ 1200
Water Level Finish: 11.49
Field comments: _____

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MW-24 BFC

Well Number:	Project Name:	
Project Number: 412-L	Date: 7/27	Weather:
Development / Purge Method:	Well Screen Interval: 8.65 to 13.65	Tidally Influenced?
Logged By:	Water Depth Start: 10.87	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? (Yes) No What Volume? 0.12 gal	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one) 3 x 0.041 = 0.12 x 3 = 0.36

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

~~20 ml/20 x 3 =~~

Time	1340	1345	1350	1408				
Water Level (ft)	10.87	12.50	12.30	11.28				
pH								
Conductivity (mS/cm)								
Temperature (F)	N/A							
ORP (mV)	N/A	N/A						
Turbidity (NTUs)	N/A	N/A						
Dissolved Oxygen (mg/L,%)								
Color								
Purge Volume	Pumped Dry	Pumped Dry	Not Purged					

40 sec per 0.1 ft

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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Well Number: MW-25	**Project Name:**	
Project Number: 0111C-K	**Date:** 7/26/17	**Weather:** Sunny
Development / Purge Method:	**Well Screen Interval:** 9 to 14	**Tidally Influenced?** Y
Logged By: JT	**Water Depth Start:** 9.31	**Field Comments:** ~~Sampled~~ @ 11.5'
Purge Water Disposal Method: Drum	**Water Depth Finish:** 9.48	
Purge Water Disposal Volume: Peri	**Bails Dry?** Yes (No) **What Volume?**	**Well Conditions:** (OK) Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1020	1025	1030	1035	1040	1045	1050	
Water Level (ft)	9.31	—	—	—	—	—	—	
pH	6.54	6.61	6.66	6.68	6.69	6.70	~~6.~~72	
Conductivity (mS/cm)	0.522	0.421	0.417	0.419	0.410	0.418	0.414	
Temperature (F)	17.20 C	15.19	15.24	15.17	15.19	15.20	15.17	
ORP (mV)	194	155	154	155	156	159	161	
Turbidity (NTUs)	97.1	40.6	11.3	3.2	~~3~~.0	~~2~~.4	3.8	
Dissolved Oxygen (mg/L,%)	2.50	0.70	1.29	4.17	4.47	4.18	4.14	
Color	Clr	Clr	Clr	Clr	Clr	Clr	Clr	
Purge Volume	0.~~75~~3	0.~~75~~6	~~0.75~~0.9	~~0.75~~	1.2	1.5	1.8	

Well Sampling Information (complete if well is sampled)

Decon Method:	Dedicated	Sample Number:	MW-25-~~072617~~ 72617
Water Level Start:	9.31	Water Level Finish:	9.48
Sampling Method:	Low-flow	Field comments:	Collected @ 1100
Filter Type:	/		

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Well Number: MW-265	Project Name: BFC	
Project Number: 01.0410.K	Date: 7/27/17	Weather: Clay
Development / Purge Method: Peri	Well Screen Interval: 7 to 12	Tidally Influenced? N
Logged By: JT	Water Depth Start: 8.99	Field Comments: Sampled @ 11.5'
Purge Water Disposal Method: Drum	Water Depth Finish: 9.80	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	940	945	950	955	1600	1005	1010	
Water Level (ft)	8.99	–	–	–	–	–	–	
pH	6.58	6.63	6.67	6.66	6.70	6.70	6.70	
Conductivity (mS/cm)	0.369	0.365	0.357	0.347	0.345	0.342	0.341	
Temperature (F)	16.90	17.19	17.04	17.05	17.06	17.09	17.09	
ORP (mV)	21	-5	-19	-24	-31	-34	-36	
Turbidity (NTUs)	7.43	29.4	12.3	10.5	5.2	4.5	3.8	
Dissolved Oxygen (mg/L,%)	2.00	0.33	0.0	0.0	0.0	0.0	0.0	
Color	Clr	Clr	Clr	Clr	Clr	Clr	Clr	
Purge Volume	0.2	0.4	0.6	0.8	1.0	1.2	1.4	

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated
Water Level Start: 8.99
Sampling Method: Low Flow
Filter Type:

Sample Number: MW-265-7272017
Water Level Finish: 9.80
Field comments: Collected @ 10:15

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Well Number: MW-26D		**Project Name:** ~~0410-K~~ BFC
Project Number: 0410-K	**Date:** 7/27/17	**Weather:** Cloudy
Development / Purge Method: Peri	**Well Screen Interval:** 16 to 23	**Tidally Influenced?** Y
Logged By: JT	**Water Depth Start:** 13.38'	**Field Comments:** Samp'd w/ [illegible] 19'
Purge Water Disposal Method: Drum	**Water Depth Finish:** 13.32	
Purge Water Disposal Volume:	**Bails Dry?** Yes No **What Volume?**	**Well Conditions:** OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	840	845	850	855	900	905	910	915
Water Level (ft)	13.38	—	—	—	—	—	—	
pH	6.79	6.76	6.77	6.77	6.76	6.74	6.72	6.72
Conductivity (mS/cm)	0.400	0.405	0.406	0.405	0.401	0.397	0.390	0.39
Temperature (F)	15.03	14.51	14.42	14.35	14.26	14.21	[illegible]	[illegible]
ORP (mV)	8	24	16	13	10	8	8	7
Turbidity (NTUs)	5.0	4.1	4.5	4.4	3.8	3.4	[illegible]	[illegible]
Dissolved Oxygen (mg/L,%)	3.30	0.30	0.03	0.0	0.0	0.0	0.0	0.0
Color	Clr	Clr	Clr	Clr	Clr	Clr	Clr	Clr
Purge Volume	0.2	0.4	0.6	0.8	1.0	1.2	[illegible]	[illegible]

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated
Water Level Start: 13.38'
Sampling Method: Low Flow
Filter Type:

Sample Number: MW-26D- ~~0717~~ 72717
Water Level Finish: 13.32'
Field comments: Collected @ 920

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MW-275 BFC

Well Number:	Project Name:	
Project Number:	Date: 7/26	Weather: Sunny Hot
Development / Purge Method:	Well Screen Interval: 7 to 12	Tidally Influenced?
Logged By: ZW	Water Depth Start: 9.08	Field Comments:
Purge Water Disposal Method: Drum	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one) $3' \times 0.163^{ft}_{gal} = 0.5$ gal Water column

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1256	105	115	125				
Water Level (ft)	9.16	9.22	9.22	9.23				
pH	6.28	6.27	6.28	6.26				
Conductivity (mS/cm)	1149	1127	1107	1076				
Temperature (F)	18.9	19.9	19.8	19.5				
ORP (mV)	-32.8	-38.8	-44.2	-48.5				
Turbidity (NTUs)	9.7	6.3	7.0	2.9				
Dissolved Oxygen (mg/L,%)	1.52	1.29	1.20	1.04				
Color	clr	clr	clr	clr				
Purge Volume	0.5	1.0	1.25	1.5				

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: MW-275-7262017

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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MW-27D RFC

Well Number:	Project Name:	
Project Number: 410-R	Date: 7/26	Weather:
Development / Purge Method:	Well Screen Interval: 14.5 to 21.5	Tidally Influenced? Rising Tide
Logged By:	Water Depth Start: 15.35	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one) 6 x 0.163 = 1

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1355	1414	1420	1425				
Water Level (ft)	15.35	15.40	—	15.43				
pH	6.17	6.15	6.15	6.16				
Conductivity (mS/cm)	482.6	465.6	437.7	431.0				
Temperature (F)	17.2	17.1	17.2	17.3				
ORP (mV)	-100.7	-103.7	-107.6	-108.4				
Turbidity (NTUs)	337	161.2	316.0	338.1				
Dissolved Oxygen (mg/L,%)	0.95	0.85	0.78	0.78				
Color	clr	clr	clr	clr				
Purge Volume	1	2	2.5	3				

Well Sampling Information (complete if well is sampled)

Decon Method:

Water Level Start:

Sampling Method:

Filter Type:

Sample Number: MW-28D-726 2017

Water Level Finish: 15.43 after purge 15.45 after Sample

Field comments:

FD1-726 2017

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Well Number: MW-28S		Project Name:
Project Number: 01-0410-K	Date: 7/26/17	Weather: Sunny
Development / Purge Method: Peri	Well Screen Interval: 7 to 12	Tidally Influenced? ~~YES~~ NO
Logged By: JT	Water Depth Start: 8.54	Field Comments:
Purge Water Disposal Method: Drum	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	~~1355~~	1400	1405	1410	1415	1420	1425	1430
Water Level (ft)	8.54	-	-	-	-	-	-	-
pH	6.88	6.80	6.77	6.74	6.73	6.72	6.72	6.71
Conductivity (mS/cm)	0.544	0.556	0.554	0.536	0.534	0.534	0.535	0.532
Temperature (F)	22.21	20.36	19.71	19.36	19.13	18.96	18.80	18.70
ORP (mV)	152	165	170	174	176	177	178	180
Turbidity (NTUs)	0.0	0.0	~~6~~ 5.8	21.1	23.0	17.8	12.5	5.5
Dissolved Oxygen (mg/L,%)	2.75	2.01	1.80	~~1.~~ 1.74	1.71	1.72	1.81	1.68
Color	Clr	Clr	Clr	Clr	Clr	Clr	Clr	Clr
Purge Volume	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated
Water Level Start: 8.54
Sampling Method: Low Flow
Filter Type:

Sample Number: MW-28S-7262017 + QC VOL
Water Level Finish: 9.60
Field comments: Collected @ 1435

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Well Number: MW-28D	Project Name:	
Project Number: 01-0410K	Date: 7/26/17	Weather: Sunny
Development / Purge Method: Peri	Well Screen Interval: 18 to 23	Tidally Influenced? Y
Logged By: JT	Water Depth Start: 15.26	Field Comments: Sampled @ 20.5'
Purge Water Disposal Method: Drum	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1515	1520	1525	1530	1535	1540	1545	
Water Level (ft)	15.26	—	—	—	—	—		
pH	6.75	6.74	6.69	6.67	6.68	6.67	6.65	
Conductivity (mS/cm)	0.198	0.208	0.205	0.206	0.207	0.209	0.210	
Temperature (F)	14.11	15.40	15.07	14.96	14.91	14.87	14.85	
ORP (mV)	-62	-32	-34	-39	-40	-41	-41	
Turbidity (NTUs)	2.6	0.0	0.0	0.0	0.0	0.0	0.0	
Dissolved Oxygen (mg/L,%)	1.19	0.17	0.0	0.0	0.0	0.0	0.0	
Color	Clr	Clr	Clr	Clr	Clr	Clr	Clr	
Purge Volume	0.2	0.4	0.6	0.8	1.0	1.2	1.4	

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated
Water Level Start: 15.26
Sampling Method: Low Flow
Filter Type: /

Sample Number: MW-28D-7262017
Water Level Finish:
Field comments: ~~Sampled~~ Collected @ 1550

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Well Number: IP3	Project Name: BFC	
Project Number: 01-0410-K	Date: 7/27/17	Weather: Cloudy
Development / Purge Method: Peri	Well Screen Interval: 18 to 24	Tidally Influenced? Y
Logged By: JT	Water Depth Start: 15.01	Field Comments: Sampled @ 19'
Purge Water Disposal Method: Drum	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1235	1240	1245	1250	1255	1300	1303	1306
Water Level (ft)	15.01	~~14.61~~	–	–	–	–	–	–
pH	6.63	6.64	6.64	6.64	6.63	6.63	6.62	6.63
Conductivity (mS/cm)	0.522	0.525	0.520	0.506	0.482	0.474	0.460	0.457
Temperature (F)	15.14	14.80	14.57	14.43	14.51	14.43	14.46	14.46
ORP (mV)	72	-18	-32	-35	-38	-40	-40	-41
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L,%)	1.92	0.12	0.0	0.0	0.0	0.0	0.0	0.0
Color	Clr	Clr	Clr	Clr	Clr	Clr	Clr	Clr
Purge Volume	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6

Well Sampling Information (complete if well is sampled)

Decon Method: Ded
Water Level Start: 15.01
Sampling Method: Low Flow
Filter Type:

Sample Number: IP3-7272017
Water Level Finish:
Field comments: Collected @ 1310

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Well Number: IP4	Project Name: BFC	
Project Number: OF0410-K	Date:	Weather: Cloudy
Development / Purge Method: Peri	Well Screen Interval: 8 to 16	Tidally Influenced? N
Logged By: JT	Water Depth Start: 9.94'	Field Comments: Sampled @ 13'
Purge Water Disposal Method: Drum	Water Depth Finish: 10.07'	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1335	1340	1345	1350	1355	1400	1405	1407
Water Level (ft)	9.94	—	—	—	—	—	—	—
pH	6.44	6.44	6.45	6.47	6.49	6.50	6.51	6.51
Conductivity (mS/cm)	1282	1287	1283	1280	1285	1283	1294	1295
Temperature (F)	16.3	16.2	16.2	16.2	16.3	16.8	16.9	17.0
ORP (mV)	-118.5	-128.5	-135.1	-139.9	-144.4	-148.0	-148.7	-149.0
Turbidity (NTUs)	6.8	8.1	10.5	15.8	15.1	15.3	6.9	5.8
Dissolved Oxygen (mg/L,%)	1.56	1.15	0.95	0.86	0.81	0.78	0.76	0.76
Color	Clr	Clr	Clr	Clr	Clr	Clr	Clr	Clr
Purge Volume	0.2	0.4	0.6	0.6	0.8	1.0	1.2	1.4

Well Sampling Information (complete if well is sampled)

Decon Method: Dedicated
Water Level Start: 9.94'
Sampling Method: Low Flow
Filter Type:

Sample Number: IP4-7272017
Water Level Finish:
Field comments: Collected @ 1410

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Cascade/IDW Drilling

Well Number: IP5	Project Name: BFC	
Project Number: 0410-K	Date: 7/27/17	Weather: Cloudy
Development / Purge Method: Perl	Well Screen Interval: 14 to 24	Tidally Influenced?
Logged By: JT	Water Depth Start: 13.76'	Field Comments: Sampled @ 19'
Purge Water Disposal Method: Drum	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1055	1100	1105	1110	1115	1120	1125	
Water Level (ft)	13.76	—	—	—	—	—	—	
pH	6.58	6.60	6.60	6.60	6.60	6.60	6.60	
Conductivity (mS/cm)	0.541	0.542	0.517	0.506	0.490	0.474	0.449	
Temperature (F)	15.31	14.45	14.38	14.36	14.38	14.36	14.36	
ORP (mV)	-3	-25	-30	-33	-34	-35	-35	
Turbidity (NTUs)	3.6	4.1	7.8	7.2	6.6	6.9	4.7	
Dissolved Oxygen (mg/L,%)	1.09	0.0	0.0	0.0	0.0	0.0	0.0	
Color	Clr	Clr	Clr	Clr	Clr	Clr	Clr	
Purge Volume	0.2	0.4	0.6	0.8	1.0	1.2	1.4	

Well Sampling Information (complete if well is sampled)

Decon Method: Deionized
Water Level Start: 13.76'
Sampling Method: Low Flow
Filter Type:

Sample Number: IP5-727017 + FD2-72717
Water Level Finish: 13.65
Field comments: Collected @ 1130
* obvious sheen & strong odor on purge H2O

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Groundwater Depths	Project Name: BFC
Project Number: 61-410-1C	Page 1 of 1
Date: 10/5/17	Weather:
Started:	Other Information: SOLINST H2O LEVEL INDICATOR
Completed:	

Well	Depth *	Time	Notes
MW-28S	9.51	0921	MEASURED ON N. SIDE OF PVC
MW-28D	14.34	0920	
MW-27S	9.70	0927	
MW-27D	14.40	0928	
MW-26S	9.60	0925	
MW-26D	14.66	0924	
IP-3	15.33	0933	
IP-4	10.77	0934	
IP-5	16.17	0936	
MW-29D	14.52	0939	
MW-24	11.69	0930	
MW-25	10.33	0959	
MW-23	11.08	1103	
MW-22	11.16	1246	
MW-18	9.80	0921	
MW-19	13.58	0923	
MW-20	14.16	0925	
MW-21	14.20	0920	

* From Top of PVC

Approved: _____ Signed: _____ g-logics

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Well Number: MW-25	Project Name: BFC	
Project Number: 01-410-K	Date: 10/5/17	Weather: Sunny, 60's
Development / Purge Method: PERISTALTIC	Well Screen Interval: 9 to 14	Tidally Influenced? NO
Logged By: KANIS	Water Depth Start: 10.33 (0959)	Field Comments: SET TO LOWEST PUMP SPEED
Purge Water Disposal Method: DRUM	Water Depth Finish: 10.40 (1053)	SET TUBE @ 12' BELOW TOC
Purge Water Disposal Volume: 1.5 GAL	Bails Dry? Yes (No) What Volume?	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1009	1014	1019	1024	1029	1034		
Water Level FT	—	—	—	—	—	—		
pH	1	6.44	6.40	6.39	6.38	6.30		
Conductivity (ms/cm)	.372	0.375	6.373	0.372	0.372	0.372		
Temperature (°C)	16.9	16.8	17.0	16.9	17.0	17.0		
~~Salinity~~ ORP (mv)	156.0	148.9	148.0	149.1	147.3	145.0		
Turbidity	—	—	—	—	—	—		
Color	CLEAR	→	→	→	→	→		
mg/L Dissolved Oxygen in	7.86	7.33	0.67	0.51	0.51	0.48		
Purge Volume	0.25 GAL	0.5	0.75	1	1.25	1.50		

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: PERISTALTIC

Filter Type: NONE

Sample Number: MW-25-105217

Water Level Finish: _____

Field comments: _____

15' OF TUBE

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Well Number: MW-23	**Project Name:** BEC	
Project Number: 01-410-K	**Date:** 10/5/17	**Weather:** Sunny 60's
Development / Purge Method: PERISTALTIC	**Well Screen Interval:** 5.5 to 15.5	**Tidally Influenced?** ?
Logged By: KV	**Water Depth Start:** 11.08' (1103)	**Field Comments:** PUMP SET AT LOWEST SPEED - H2O DROPPING
Purge Water Disposal Method: Drum	**Water Depth Finish:** 12.60 (1235) RESET	SET TUBE = 13.0 BELOW (TOC)
Purge Water Disposal Volume: 1.75 GAL	**Bails Dry?** (Yes) No **What Volume?**	**Well Conditions:** (OK) Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1115	1120	1127	1135	1142	1150	1157	
Water Level (ft)	11.55	11.93	12.30	12.54	12.72	12.92	12.98	
pH	6.53	6.53	6.48	6.51	6.50	6.49	6.47	
Conductivity (mS/cm)	0.476	0.462	0.462	0.461	0.462	0.463	0.462	
Temperature (F) (°C)	19.7	19.8	19.7	19.3	19.2	19.3	19.3	
ORP (mV)	37.3	8.0	5.9	12.8	12.9	13.0	15.0	
Turbidity (NTUs)	—	—	—	—	—	—	—	
Dissolved Oxygen (mg/L %)	0.74	0.24	0.66	0.22	0.22	0.50	0.69	
Color	CLEAR →							
Purge Volume	0.25	0.50	0.75	1.0	1.25	1.50	1.75	

→ TURNED BACK ON
MONITOR TURNED OFF (TU

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: PERISTALTIC

Filter Type: NONE

Sample Number: MW-23-105 2017

Water Level Finish: _____

Field comments: _____

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16' TUBE

Well Number: MW-22	Project Name: BFC	
Project Number: 01-0410-K	Date: 10/5/17	Weather: 60°-70° Sunny
Development / Purge Method: PERISTALTIC	Well Screen Interval: 7 to 14	Tidally Influenced? NO
Logged By: KAMES	Water Depth Start: 11.16 (1246)	Field Comments: SET TO LOWEST SPEED - BROKEN WATER FLOW
Purge Water Disposal Method: DRUM	Water Depth Finish:	TUBE H2O SET @ 3 BOTTOM OF SCREEN
Purge Water Disposal Volume: 0.75	Bails Dry? (Yes) No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	12.58	1310	1318					
Water Level (ft)	—	—	—					
pH	6.53	6.51	6.51					
Conductivity (mS/cm)	0.534	0.530	0.529					
Temperature (F) °C	19.7	19.5	19.6					
ORP (mV)	12.5	-20.1	-23.9					
Turbidity (NTUs)	—	—	—					
Dissolved Oxygen (mg/L,%)	2.09	2.58	2.63					
Color	CLEAR							
Purge Volume	<0.25	0.5Gal	0.75					

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: _____
Sampling Method: PERISTALTIC
Filter Type: NONE

Sample Number: MW-22-10052017
Water Level Finish: _____
Field comments: _____

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26' TUBE

Well Number: MW-21	Project Name: BFC	
Project Number: 01-410-1C	Date: 10/5/17	Weather: Sunny 70's
Development / Purge Method: PERISTALTIC	Well Screen Interval: 17 to 22	Tidally Influenced?
Logged By: KANIS	Water Depth Start: 13.65 (1450)	Field Comments:
Purge Water Disposal Method: 17 Rum	Water Depth Finish: 12.2 (1544)	
Purge Water Disposal Volume: 2.5 Gal	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain: SET TUBE @ ~18' BELOW TOC

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1503	1508	1518	1523				
Water Level (ft)	—	—	—	—				
pH	6.35	6.37	6.40	6.40				
Conductivity (mS/cm)	0.465	0.464	0.461	0.460				
Temperature ~~(F)~~ °C	16.0	16.0	15.9	15.9				
ORP (mV)	-82.4	-93.3	-100.9	-103.1				
Turbidity (NTUs)	—	—	—	—				
Dissolved Oxygen (mg/L,%)	0.51	0.22	0.12	0.11				
Color	CLEAR →							
Purge Volume	0.5	1	2	2.5				

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: PERISTALTIC

Filter Type: NONE

Sample Number: MW-21-105 2017

Water Level Finish: _____

Field comments: _____

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Well Number: MW-27-D | **Project Name:** BFC

Project Number: 01-0410-K-TM	Date: 10/4/17	Weather: Sunny - 70's
Development / Purge Method: PERISTALTIC	Well Screen Interval: 14.5 to 21.5	Tidally Influenced? YES
Logged By: KAMIS	Water Depth Start: 15.39 (1145)	Field Comments: WATER LEVEL RISE W/TIDE
Purge Water Disposal Method: DRUM	Water Depth Finish: 15.10 (1344	SET TUBE @ ± 18.5' BELOW TOC
Purge Water Disposal Volume: 5GAL	Bails Dry? Yes (No) What Volume?	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1226	1236	1246	1256	1306	1316		
Water Level FT	15.44	15.44	15.40	15.40	15.39	15.35		
pH	6.63	6.62	6.62	6.55	6.59	6.59		
Conductivity ms/cm	0.556	0.504	0.478	0.439	0.412	0.377		
Temperature (C)	16.25	15.93	15.85	15.74	15.64	15.61		
~~Salinity~~ ORP (mV)	33	-27	-38	-42	-48	-12		
Turbidity (NTUs	0.0	0.0	0.0	0.0	0.0	0.0		
Color	CLEAR	→	→	→	→	→		
mg/L Dissolved Oxygen in	0.0	0.0	0.0	0.0	0.0	0.0		
Purge Volume GAL	0.5	1.25	2.0	2.75	3.75	5.0		

Well Sampling Information (complete if well is sampled)

Decon Method: —
Water Level Start: 15.44
Sampling Method: PERISTALTIC
Filter Type: NONE

Sample Number: FIELD DUP (MW-A) MW-27D-104201?
Water Level Finish: 15.35
Field comments: —

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Well Number: MW-27S	**Project Name:** BOEING FIELD CHEV.		
Project Number: 01-0410-K TASK#17	Date: 10/4/17	Weather: Sunny - 70°	
Development / Purge Method: PERISTALTIC	Well Screen Interval: 7' to 12'	Tidally Influenced? ?	
Logged By: KARES	Water Depth Start: 9.68 (10:20)	Field Comments: SET TUBE @ ≈ 11' BELOW TOP of PVC	
Purge Water Disposal Method: DRUM	Water Depth Finish: 9.72 (11:35)		
Purge Water Disposal Volume: ≈ 3.5 GAL	Bails Dry? Yes (No) What Volume?	Well Conditions: (OK) Not OK	
		Explain:	

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1043	10.48	1053	1058	1108	1113	1118	1123
Water Level (FT)	9.94	9.97	9.97	9.98	10.00	10.02	10.03	10.03
pH	7.16	6.72	6.61	6.55	6.52	6.50	6.50	6.50
Conductivity MS/cm	1.10	1.07	1.07	1.07	1.06	1.06	1.07	1.07
Temperature (C)	16.52	17.11	17.36	17.52	18.33	18.43	18.47	18.50
~~Salinity~~ ORP (MV)	155	156	154	153	149	147	145	143
Turbidity (NTUs)	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.00
Color	CLEAR							
Dissolved Oxygen in MG/L		0.43	0.08	0.00	0.00	0.00	0.0	0.00
Purge Volume GAL.	0.50	0.75	1.00	1.25	2.00	2.50	2.75	3.00

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: 9.94
Sampling Method: PERISTALTIC
Filter Type: NO

Sample Number: MW-27S-101214
Water Level Finish: 10.03
Field comments: _____

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15'

Well Number: IP-4	**Project Name:** BFC	
Project Number: 01-410-K T-17	Date: 10/4/17	Weather:
Development / Purge Method: PERISTALTIC	Well Screen Interval: 8 to 16	Tidally Influenced? NO?
Logged By: KANES	Water Depth Start: 10.75 (1623)	Field Comments: PUMPING DOWN @ LOWEST FLOW RATE FOR PUMP
Purge Water Disposal Method: Drum	Water Depth Finish: 12.80 (1734)	SET TUBE @ ≈ 13' BELOW TOC
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1645	1650	1655	1700	1705	1710	1715	1720
Water Level FT.	11.30	11.73	12.13	12.41	13.61	12.82	13.03	13.18
pH	6.57	6.56	6.56	6.57	6.59	6.59	6.60	6.60
Conductivity ms/cm	1.09	1.07	1.04	1.03	1.01	1.00	0.98	0.98
Temperature (°C)	16.6	16.7	16.6	16.6	16.6	16.5	16.5	16.5
~~Salinity~~ ORP (MV)	-133.9	-137.1	-137.1	-134.0	-127.1	-122.4	-117.5	-118.9
Turbidity	—	—	—	—	—	—	—	—
Color	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	—	—	—
mg/L Dissolved Oxygen in	0.27	0.20	0.19	0.20	0.37	0.86	0.72	0.70
Purge Volume	0.5 GAL	1 GAL	1.5	2.0	2.5	3.0	3.5	4.0

POWERED DOWN & BACK UP

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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Well Number: IP-3 | **Project Name:** BFC

Project Number: D1-6410-K T-17	Date: 10/4/17	Weather: SUNNY & 70S
Development / Purge Method:	Well Screen Interval: 18' to 24'	Tidally Influenced? YES
Logged By: KARIS	Water Depth Start: 15.32 (1506)	Field Comments: SET TUBE @ ≈19.5' BELOW TOP OF CASING
Purge Water Disposal Method: PURGE	Water Depth Finish: 14.92 (1601)	WATER RESENT W/ TUBE
Purge Water Disposal Volume: 4 GAL	Bails Dry? Yes (No) What Volume?	Well Conditions: (OK) Not OK
		Explain:

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Well Development / Purging (circle one)

Time	1515	1522	1527	1532	1537	1542	1547	
Water Level Ft	15.26	15.22	15.16	15.09	15.06	15.01	14.96	
pH	6.20	6.32	6.34	6.33	6.34	6.34	6.35	
Conductivity ms/cm	0.429	0.393	0.369	0.348	0.332	0.318	0.307	
Temperature (C)	14.8	14.7	14.7	14.7	14.7	14.6	14.6	
~~Salinity~~ ORP (mv)	-83.6	-90.9	-93.7	-95.0	-96.4	-96.7	-98.1	
Turbidity NTU	—	—	—	—	—	—	—	
Color	CLEAR	CLEAR	→	→	→	→	→	
MG/L Dissolved Oxygen in	0.32	0.29	0.26	0.18	0.12	0.10	0.07	
Purge Volume	1 GAL	1.5 GAL	2.0 GAL	2.5	3.0	3.5	4 GAL	

Well Sampling Information (complete if well is sampled)

Decon Method: —
Water Level Start: 15.26
Sampling Method: PERISTALTIC
Filter Type: NONE

Sample Number: IP-3-1042017
Water Level Finish: 14.96
Field comments:

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Well Number: MW-28D	Project Name: BFC	
Project Number: 410-K	Date: 10/4/17	Weather: Sunny, Calm
Development / Purge Method:	Well Screen Interval: 18 to 23	Tidally Influenced? Yes
Logged By:	Water Depth Start: 15.44	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1230	1238	1246	1255	1300			
Water Level (ft)	15.44			15.37	15.34			
pH	6.47	6.46	6.45	6.45	6.45			
Conductivity (mS/cm)	0.232	0.234	0.234	0.233	0.231			
Temperature (F)	15.20	15.18	15.18	15.19	15.19			
ORP (mV)	-37	-36	-47	-50	-53			
Turbidity (NTUs)	Ø	Ø	Ø	Ø	Ø			
Dissolved Oxygen (mg/L,%)	0.01/0.1	0/0	Ø/Ø	Ø/Ø	Ø/Ø			
Color	clr	clr	clr	clr	clr			
Purge Volume	1.5	1	1.5	2.0	2.25			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-28D-1042017 @ 1300

Water Level Finish: _____

Field comments: _____

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Well Number: MW-285	Project Name: BFC	
Project Number: 410-1K	Date: 10/4/17	Weather: Sunny, Calm
Development / Purge Method:	Well Screen Interval: 5 to 11.5	Tidally Influenced? / No
Logged By: ZW	Water Depth Start: 9.51	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? (Yes) No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1325	1332	1340	1355	1400			
Water Level (ft)	9.51	9.98		11.2	10.01			
pH	6.35	6.36	6.38	6.39	6.40			
Conductivity (mS/cm)	0.471	0.492	0.502	0.499	0.502			
Temperature (F)	17.74	17.64	17.95	17.72	17.80			
ORP (mV)	15	22	37	50	57			
Turbidity (NTUs)	Ø.3	Ø	Ø	Ø	Ø			
Dissolved Oxygen (mg/L,%)	3.13/34.8	4.29/46.3	4.06/44.1	3.94/42.7	3.90/42.4			
Color								
Purge Volume	0.25	0.5	0.8	1.2	1.5			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-285-1042017 @ 1330

Water Level Finish: _____

Field comments: _____

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Well Number: MW-26D	Project Name: BFC	
Project Number: 410-K	Date: 10/4/17	Weather: Sunny
Development / Purge Method:	Well Screen Interval: 18 to 23	Tidally Influenced? Yes
Logged By: ZW	Water Depth Start: 15.74	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 15.93	
Purge Water Disposal Volume:	Bails Dry? Yes (No) What Volume?	Well Conditions: (OK) Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1100	1110	1115	1120				
Water Level (ft)	15.95	15.90	15.93	15.93				
pH	6.44	6.45	6.44	6.41				
Conductivity (mS/cm)	0.553	0.536	0.535	0.527				
Temperature (F)	15.07	15.16	15.16	15.15				
ORP (mV)	-12	-12	-11	-10				
Turbidity (NTUs)	4.6	4.6	3.8	0				
Dissolved Oxygen (mg/L,%)	0/0	0/0	0/0	0/0				
Color	clr	clr	clr	clr				
Purge Volume	.5	1.0	1.5	2.0				

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-26D-104207 @ 1130

Water Level Finish: _____

Field comments: _____

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Well Number: MW-265	Project Name: BFC	
Project Number: 410-K	Date: 10/4/17	Weather: Sunny
Development / Purge Method:	Well Screen Interval: 7 to 12	Tidally Influenced? NO
Logged By: ZW	Water Depth Start: 9.57	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes (No) What Volume?	Well Conditions: (OK) Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	950	955	959	1005	1010			
Water Level (ft)	9.57	10.65	11.4	11.45	11.30			
pH	6.18	6.16	6.28	6.31	6.15			
Conductivity (mS/cm)	0.436	0.448	0.445	0.421	0.438			
Temperature (F)	17.06	16.39	17.87	18.75	17.67			
ORP (mV)	-74	-61	-72	-72	-55			
Turbidity (NTUs)	171	111	0.0	0.0	69.7			
Dissolved Oxygen (mg/L,%)	1.43/15.1	1.17/12.6	0.63/5.8	0.25/2.8	0.57/6.0			
Color	clr	clr	YlW	clr	clr			
Purge Volume	.5	0.75	1.2	1.5	2.0			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-265-~~100~~ 10.4 2017

Water Level Finish: _____

Field comments: Sampled @ 1030

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Well Number: IP-5	Project Name:	
Project Number: 410-K	Date: 10/4/17	Weather:
Development / Purge Method:	Well Screen Interval: 18 to 24	Tidally Influenced?
Logged By: ZW	Water Depth Start: 16.17	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1500	1506	1515	1521	1538			
Water Level (ft)	16.17		16.05	15.9				
pH	7.83	7.70	6.51	6.03	5.86			
Conductivity (mS/cm)	0.446	0.438	0.439	0.408	0.362			
Temperature (F)	10.2	10.1	9.8	9.4	9.5			
ORP (mV)	-74.7	-75.6	-66.1	-56.9	-50.1			
Turbidity (NTUs)								
Dissolved Oxygen (mg/L)	17.49	16.69	0.89	0.59	0.37			
Color	clr	clr	clr	clr	clr			
Purge Volume	.25 gal	0.5 gal	0.75	1.0	2.0			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: IP-5-1042017 @ 1530

Water Level Finish: _____

Field comments: _____

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Well Number: MW-20	Project Name:	
Project Number: 410-K	Date: 10/4	Weather: Sunny, Calm
Development / Purge Method:	Well Screen Interval: 15 to 20	Tidally Influenced? Y
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1651	1658	1702	1707	1715			
Water Level (ft)								
pH	6.57	6.25	6.15	6.05	6.04			
Conductivity (mS/cm)	0.426	0.336	0.320	0.304	0.299			
Temperature (F)	10.7	10.3	10.3	10.2	10.2			
ORP (mV)	-45.4	-48.2	-37.4	-28.5	-26.2			
Turbidity (NTUs)								
Dissolved Oxygen (mg/L,%)	3.23	0.73	0.55	0.43	0.38			
Color	clr	clr	clr	clr	clr			
Purge Volume	0.25	0.7	1.0	1.25	1.5			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

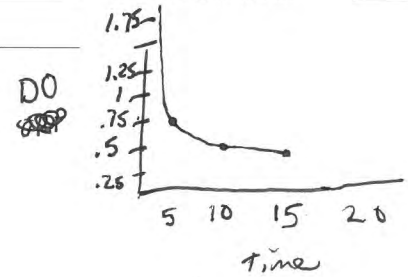
Sampling Method: _____

Filter Type: _____

Sample Number: MW-20-104 2017 @ 1730

Water Level Finish: _____

Field comments: _____



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Well Number: MW-19	Project Name:	
Project Number: 410-K	Date: 10/5	Weather: Sunny, Calm
Development / Purge Method:	Well Screen Interval: 15 to 20	Tidally Influenced? Y
Logged By:	Water Depth Start: 13.58	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? (Yes) No What Volume? 0.5 Gal	Well Conditions: (OK) Not OK
	Casing Vol: 3/4 in well	Explain:

Well Development / Purging (circle one) 6.4 ft × .0625 ft

76.8 × ((.75/2)²·3.14) = 34 cu in = 0.147

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft

Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1304	1312 Pumped Dry		1319	1320 Dry	1330	1335 Dry	
Water Level (ft)			PUMP					
pH	6.95	6.60	OFF	6.62	Pump off	6.58		
Conductivity (mS/cm)	0.413	0.419	5 min.	0.398	10 min	0.406		
Temperature (F)	10.5	10.7		10.3		11.0		
ORP (mV)	-27	-55.1		-22.4		-18.9		
Turbidity (NTUs)								
Dissolved Oxygen (mg/L,%)	3.62	8.69		5.10		5.47		
Color								
Purge Volume	0.2	0.5		0.60		0.75		

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-19-1052017 @ 1325

Water Level Finish: _____

Field comments: _____

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Well Number: MW-18	Project Name: BFC	
Project Number: 410-K	Date: 10/5/17	Weather: Sunny / Warm
Development / Purge Method:	Well Screen Interval: 11 to 16	Tidally Influenced? N
Logged By:	Water Depth Start: 9.80	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
	6' water column 3/4" = 0.139	Explain:

Well Development / Purging (circle one) 3 casing vol. = 0.417

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1437	1445 Dry Pumped		1455	Dry @ 1457	1508	Dry 1510	
Water Level (ft)								
pH	7.10	6.62		6.52		6.49		
Conductivity (mS/cm)	0.268	0.263	Pump off		Pump off		Pump	
Temperature (F)	12.6	12.4	10 min	12.4	10 min	12.5	off	
ORP (mV)	67.1	48.9		42.2		43.1		
Turbidity (NTUs)								
Dissolved Oxygen (mg/L,%)	1.61	4.20		1.75		2.39		
Color	clr	clr						
Purge Volume	.25	0.40		0.75		0.85		

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-18-105 2017 @ 1500

Water Level Finish: _____

Field comments: _____

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1445 DUP-1450

Well Number: MP-3 | **Project Name:** BFC

Project Number: 01-0410-M	Date: 1/12/18	Weather:
Development / Purge Method:	Well Screen Interval: 16 to 24	Tidally Influenced?
Logged By:	Water Depth Start: 12.01'	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 12.00'	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	2:15	2:20	2:25	2:30	2:35	2:40		
Water Level (ft)	12.01'	12.04'	12.04'	12.04'	12.04'	12.04		
pH	6.60	6.48	6.44	6.44	6.43	6.42		
Conductivity (mS/cm)	429.2	468.7	447.9	420.3	396.1	373.6		
Temperature (F)	14.2	14.2	14.1	14.1	14.2	14.2		
ORP (mV)	-36.5	-60.1	-78.8	-81.8	-83.8	-85.0		
Turbidity (NTUs)								
Dissolved Oxygen (mg/L,%)	2.80, 24.4	1.17, 10.9	0.38, 4.0	0.28, 2.4	0.23, 1.9	0.22, 1.9		
Color								
Purge Volume								

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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1355

Well Number: IP-4 | **Project Name:** BFC

Project Number: 01-0410-M	Date: 1/12/18	Weather: Cloudy
Development / Purge Method:	Well Screen Interval: 8 to 16	Tidally Influenced? Yes
Logged By:	Water Depth Start: 9.23	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 9.49	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1320	1325	1330	1335	1340	1345	1350
Water Level (ft)	9.23	9.44	9.48	9.49	9.49	9.49	9.49
pH	6.64	6.67	6.67	6.68	6.68	6.68	6.68
Conductivity (mS/cm)	1183	1188	1181	1178	1181	1180	1177
Temperature (F)	14.0	13.7	13.8	13.8	13.9	13.9	13.8
ORP (mV)	-120.4	-162.2	-165.2	-166.5	-167.2	-167.3	-165.0
Turbidity (NTUs)							
Dissolved Oxygen (mg/L,%)	3.41, 29.8	0.52, 4.8	0.35, 3.3	0.26, 2.4	0.25, 2.3	0.21, 1.9	0.30, 3.0
Color							
Purge Volume							

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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Well Number: IP-5 | Project Name:

Project Number: 410-[illegible]	Date: [illegible]	Weather: Cool, cloudy
Development / Purge Method: [illegible]	Well Screen Interval: 18 to 24	Tidally Influenced? Y
Logged By: [illegible]	Water Depth Start: 13.42	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain: Monument Full of Rain Runoff

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1030	1035	1040	1045	1050			
Water Level (ft)	13.42	13.51		13.49				
pH	6.46	6.46	6.46	6.46	6.46			
Conductivity (mS/cm)	0.471	0.448	0.433	0.406	0.391			
Temperature (F)	13.81	13.95	13.98	14.04	14.06			
ORP (mV)	-17.9	-38.4	-44.6	[illegible]	-48.7			
Turbidity (NTUs) TDS g/L	0.303	0.290	0.280	[illegible]	0.253			
Dissolved Oxygen (mg/L,%)	12.3 / 1.27	8.8 / 0.90	[illegible] / 0.73	[illegible]	[illegible] / 0.69			
Color	clr	clr	clr	clr	clr			
Purge Volume	[illegible]		1		2			

Well Sampling Information (complete if well is sampled)

Decon Method:		Sample Number:	IP-5 @ 1100
Water Level Start:		Water Level Finish:	
Sampling Method:		Field comments:	
Filter Type:			

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12:05

Well Number: MW-18 | **Project Name:**

Project Number: 01-0410-M	Date: 1/16/18	Weather: Sunny
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By:	Water Depth Start: 7.79	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

							FLOW METER TURNED OFF
Time	11:50	11:55	12:00	12:05	12:10	12:15	12:20
Water Level (ft)	7.79						7.74
pH	6.65	6.41	6.41	6.40	6.40	6.40	6.40
Conductivity (mS/cm)	439.6	479.5	480.4	479.6	478.2	476.8	472.6
Temperature (F)	14.0	14.0	14.0	14.0	14.1	14.0	14.0
ORP (mV)	26.5	47.4	47.1	48.3	46.1	48.4	43.4
Turbidity (NTUs)							
Dissolved Oxygen (mg/L,%)	0.00,53.8	1.33,12.1	0.90,8.1	0.78,7.2	0.76,7.0	0.72,6.7	0.72,6.8
Color							
Purge Volume							~3gal

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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11:25

Well Number: MW-21 | **Project Name:** BEC

Project Number: 01-0410-M	Date: 11/6/18	Weather: Sunny
Development / Purge Method:	Well Screen Interval: _____ to 21	Tidally Influenced? Yes
Logged By:	Water Depth Start: 11.80	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 11.98	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	10:50	10:55	11:00	11:05	11:10	11:15	11:20
Water Level (ft)	11.80						11.98
pH	7.12	6.40	6.43	6.44	6.45	6.45	6.45
Conductivity (mS/cm)	315.4	444.1	453.7	456.6	453.9	454.7	455.3
Temperature (F)	15.0	15.1	15.1	14.9	14.8	14.7	14.8
ORP (mV)	84.1	-69.5	-75.8	-71.2	-66.2	-62.0	-87.9
Turbidity (NTUs)							
Dissolved Oxygen (mg/L,%)	8.15,68.1	0.9,8.4	0.45,4.6	0.32,3.4	0.34,2.9	0.28,2.8	0.26,2.8
Color							
Purge Volume							

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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Well Number: MW-22 | **Project Name:** BFC

Project Number: 01-0410-M	Date: 1/12/18	Weather: Cloudy
Development / Purge Method:	Well Screen Interval: 7 to 14	Tidally influenced?
Logged By:	Water Depth Start: 9.56	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 10.62	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	10:20	10:25	10:30	10:35	10:40	10:45	10:50
Water Level (ft)	9.56	10.24	10.68	10.55	10.60	10.60	10.62
pH	6.86	6.80	6.82	6.82	6.82	6.82	6.81
Conductivity (mS/cm)	264.4	215.5	210.3	207.9	210.1	210.5	211.3
Temperature (F)	14.7	14.7	14.6	14.6	14.6	14.6	14.6
ORP (mV)	240.5	5.0	-15.5	-18.9	-22.0	-25.4	-28.7
Turbidity (NTUs)							
Dissolved Oxygen (mg/L,%)	1.27,14.7	1.33,12.5	1.31,12.3	0.97,9.3	0.95,9.0	0.89,8.3	0.86,7.9
Color							
Purge Volume							

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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Well Number: MW-23	Project Name: BFC	
Project Number: 01-0410-ML	Date: 1/12/18	Weather: Cool, cloudy
Development / Purge Method: Peri	Well Screen Interval: 5.5 to 15.5	Tidally Influenced? No
Logged By: ZW	Water Depth Start: 9.38 @ 913	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes (No) What Volume?	Well Conditions: (OK) Not OK
		Explain: Monument Filled w/ rain runoff

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

reduced rate

Time	920	925	930	935	940	945	950	
Water Level (ft)	9.38		9.50		9.50			
pH	6.39	6.47	6.48	6.49	6.49	6.49	6.49	
Conductivity (mS/cm)	0.476	0.478	0.481	0.483	0.484	0.482	0.482	
Temperature (F) C	12.94	13.12	13.03	12.91	12.84	12.78	12.76	
ORP (mV)	227.5	210.0	201.6	193.9	188.1	176.1	172.2	
Turbidity (NTUs) TDS g/L	0.32	0.310	0.313	0.314	0.315	0.313	0.313	
Dissolved Oxygen (mg/L,%)	11.5/11.7	48.1/5.03	41.3/4.34	24.9/2.68	16.3/1.72	11.5/1.22	10.1/1.05	
Color	clr	clr	clr	clr	clr	clr	clr	
Purge Volume	1 1/2 gal		1 gal		1.5 gal		3 gal	

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: Peri

Filter Type: N/A

Sample Number: MW-23 @ 945

Water Level Finish: _____

Field comments: _____

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Well Number: MW-24D		Project Name: BFC
Project Number: 410.M	Date: 7/12	Weather: cool, showers
Development / Purge Method: Peristaltic	Well Screen Interval: 20 to 25	Tidally Influenced? Yes
Logged By: EW	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Well Development / Purging (circle one)
Developed By Peristaltic Pump, 5 gallons

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1200	1206	1210	1215	1220	1225		
Water Level (ft)		12.20		12.20		12.08		
pH	6.61	6.62	6.61	6.60	6.60			
Conductivity (mS/cm)	0.402	0.425	0.414	0.409	0.410			
Temperature (F)	14.76	14.77	14.77	14.78	14.77			
ORP (mV)	-24.1	-77.7	-80.2	-80.6	-81.0			
~~Turbidity (NTUs)~~ TDS g/L	0.325	0.342	0.334	0.330	0.330			
Dissolved Oxygen (mg/L,%)	7.8 / 0.78	6.1 / 0.62	5.9 / 0.60	7.1 / 0.70	7.0 / 0.70			
Color	clr	clr						
Purge Volume		1.0		1 1/2				

Well Sampling Information (complete if well is sampled)

1 2 3 4

Decon Method: Dedicated Tubing
Water Level Start: 12.08
Sampling Method:
Filter Type:

Sample Number: MW-24D @ 1230
Water Level Finish:
Field comments: # BKX671

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Well Number: MW-24 | **Project Name:** BFC

Project Number:	Date: 1/11/18	Weather:
Development / Purge Method:	Well Screen Interval: 3.65 to 13.65	Tidally Influenced?
Logged By:	Water Depth Start: 8.89	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 11.99	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	11:50	11:55	12:00	12:05	12:10	12:15	12:20
Water Level (ft)	8.89	10.50	11.12	11.80	11.89	11.97	11.99
pH	6.48	6.35	6.40	6.39	6.45	6.50	6.50
Conductivity (mS/cm) SC	654.3	684.9	681.1	668	668.9	680	684.2
Temperature (F)	11.9	12.6	10.5	12.2	11.4	11.6	11.6
ORP (mV)	241.2	-12.5	-10.7	8.4	4.1	3.1	2.8
Turbidity (NTUs)							
Dissolved Oxygen (mg/L,%)	5.38, 41.2	1.45, 12.9	2.64, 23.3	2.35, 21.0	4.19, 38.9	4.96, 46.9	4.98 47.1
Color	CLEAR						
Purge Volume							

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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Well Number: MW-25	Project Name: BFC	
Project Number: 01-0410-M	Date: 1/12/18	Weather: Cloudy
Development / Purge Method:	Well Screen Interval: 9 to 14	Tidally Influenced? Yes
Logged By:	Water Depth Start: 8.32	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 9.52	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Flow Meter Turned off

Time	9:10	9:15	9:20	9:25	9:30	9:35	9:40	
Water Level (ft)	8.32	9.80	9.63	9.58	9.51	9.51	9.52	
pH	7.10	6.40	6.38	6.38	6.38	6.38	6.36	
Conductivity (mS/cm)	329.3	331.4	331.4	331.7	331.1	331.1	331.5	
Temperature (F)	13.6	14.2	14.1	14.1	14.1	14.1	14.2	
ORP (mV)	146.1	22.4	50.4	73.0	85.6	98.0	103.5	
Turbidity (NTUs)								
Dissolved Oxygen (mg/L,%)	5.04,46.0	3.72,35.0	3.53,33.2	3.53,33.0	3.42,32.1	3.44,32.2	3.51,33.1	
Color								
Purge Volume								

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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Well Number: MW-26D | **Project Name:**

Project Number:	Date: 1/11/18	Weather:
Development / Purge Method:	Well Screen Interval: 18 to 23	Tidally Influenced?
Logged By:	Water Depth Start: 1.46	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 1.38	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	2:00	2:05	2:10	2:15	2:20	2:25	2:30
Water Level (ft)	11.46	11.38	11.38	11.38	11.38	11.38	11.38
pH	6.57	6.51	6.46	6.42	6.41	6.41	6.40
Conductivity (mS/cm)	370.8	342.1	322.3	312.4	308.4	307.1	304.8
Temperature (F)	14.8	14.7	14.2	14.3	14.3	14.3	14.3
ORP (mV)	-12.8	-55	-64.9	-68.1	-76.2	-79.2	-75.0
Turbidity (NTUs)							
Dissolved Oxygen (mg/L,%)	1.85, 17.4	0.50, 4.8	0.41, 4.1	0.36, 3.3	0.27, 2.3	0.22, 2.2	0.22, 2.2
Color							
Purge Volume							

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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Well Number: MW-26S | **Project Name:**

Project Number:	Date: 1/11/18	Weather:
Development / Purge Method:	Well Screen Interval: 7 to 12	Tidally Influenced?
Logged By:	Water Depth Start: 7.27	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 7.39	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1:10	1:15	1:20	1:25	1:30	1:35	1:40
Water Level (ft)	7.27	7.38	7.39	7.39	7.39	7.39	7.39
pH	6.84	6.41	6.34	6.33	6.31	6.31	6.31
Conductivity (mS/cm)	284.5	277.4	268.1	266.6	861.0	266.5	267.6
Temperature (F)	12.0°C	11.6	11.4	11.4	11.5	11.5	11.6
ORP (mV)	21.4	18.2	19.2	13.5	0.5	-6.5	-9.6
Turbidity (NTUs)							
Dissolved Oxygen (mg/L,%)	8.40, 60.2	2.23, 20.1	2.21, 19.2	1.95, 17.6	1.96, 17.7	1.99, 17.4	1.82, 16.5
Color							
Purge Volume							

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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27-D 1425 DUP 1430

Well Number: MW-27-D | **Project Name:** BFC

Project Number: 01-0410-14	Date: 1/16/18	Weather:
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By:	Water Depth Start: 12.04	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1350	1355	1400	1405	1410	1415	1420
Water Level (ft)	12.04	12.06	12.06	12.06	12.06	12.06	12.06
pH	6.64	6.39	6.36	6.36	6.36	6.36	6.36
Conductivity (mS/cm)	448.4	440.4	434.6	416.6	390.7	366.0	346.2
Temperature (F)	14.5	14.9	14.9	15.0	14.9	14.9	14.9
ORP (mV)	30.0	-49.9	-61.7	-67.5	-70.0	-70.7	-71.0
Turbidity (NTUs)							
Dissolved Oxygen (mg/L,%)	3.68, 31.8	0.75, 7.1	0.44, 4.2	0.28, 2.7	0.26, 2.1	0.23, 2.2	0.21, 1.9
Color							
Purge Volume							

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

Dup?

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1530

Well Number: MW-27-S | **Project Name:** BFC

Project Number: 01-0410-M	Date: 1/16/18	Weather: Sunny
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By:	Water Depth Start: 8.05	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 8.24	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1300	1305	1310	1315	1320	1325		
Water Level (ft)	8.05	8.21	8.23	8.24	8.24	8.24		
pH	6.77	6.58	6.56	6.54	6.55	6.54		
Conductivity (mS/cm)	986	991	963	939	924	898		
Temperature (F)	13.3	13.4	13.4	13.4	13.3	13.3		
ORP (mV)	350.7	199.0	148.8	127.7	121.5	116.7		
Turbidity (NTUs)								
Dissolved Oxygen (mg/L,%)	9.12, 77.4	4.59, 42.2	3.87, 35.9	3.73, 34.3	3.69, 34.2	3.25, 30.6		
Color								
Purge Volume								

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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Well Number: MW-28D | **Project Name:**

Project Number: 01-0410-M	Date: 1/11/18	Weather: Rain
Development / Purge Method:	Well Screen Interval: 18 to 23	Tidally Influenced? YES
Logged By:	Water Depth Start: 12.29	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 12.17	
Purge Water Disposal Volume: 3gal	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Flow Meter Turned off

Time	9:20	9:25	9:30	9:35	9:40	9:45	9:50
Water Level (ft)	12.29'	12.26'	12.22'	12.22'	12.20'	12.18'	12.17'
pH	6.68	6.48	6.47	6.46	6.46	6.46	6.45
Conductivity (mS/cm) SPC	172.2	172.4	171.2	170.9	171.6	170.7	172.7
Temperature °C	14.4	14.4	14.3	14.4	14.5	14.4	14.2
ORP (mV)	-70.0	-74.8	-77.5	-78.0	-79.4	-78.3	-76.8
Turbidity (NTUs)							
Dissolved Oxygen (mg/L,%)	1.2, 10.5	0.52, 5.0	0.34, 3.0	0.26, 2.5	0.24, 2.4	0.23, 2.3	0.24, 2.3
Color	Clear	Clear	Clear	Clear			
Purge Volume							

Well Sampling Information (complete if well is sampled)

Decon Method:		Sample Number:	
Water Level Start:		Water Level Finish:	
Sampling Method:		Field comments:	
Filter Type:			

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Well Number: MW-28S	Project Name: BFC	
Project Number:	Date: 1/11/18	Weather: Rain
Development / Purge Method:	Well Screen Interval: 5 to 12	Tidally Influenced?
Logged By:	Water Depth Start: 7.91	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 8.06	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	10:30	10:35	10:40	10:45	10:50	10:55	11:00
Water Level (ft)	7.91'	8.05'	8.06'	8.06'	8.06'	8.06'	8.06'
pH	6.55	6.61	6.60	6.60	6.60	6.60	6.60
Conductivity (mS/cm) SPC	447.0	445.2	442.3	444.9	447.7	448.7	451.3
Temperature (F)	13.7	13.4	13.6	13.7	13.5	13.7	13.6
ORP (mV)	66.4	72.9	78.0	80.8	82.0	83.7	83.9
Turbidity (NTUs)							
Dissolved Oxygen (mg/L,%)	5.79, 54.3	5.25, 49.4	4.85, 45.3	4.43, 41.8	4.33, 40.8	4.24, 39.5	4.15, 39.1
Color	Clear	" "					
Purge Volume							

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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Well Number: MW-295 | **Project Name:**

Project Number:	Date: 5/16	Weather: Sunny Cool
Development / Purge Method:	Well Screen Interval: 10 to 15	Tidally Influenced?
Logged By:	Water Depth Start: 9.71 9.78 (5/16)	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1230	1240	1245	1250	1255	1300	1305
Water Level (ft)	9.78						
pH	6.71	6.79	6.81	6.83	6.86	6.85	6.86
Conductivity (mS/cm)	0.482	0.545	0.549	0.546	0.543	0.542	0.542
Temperature (F)	12.27	11.94	11.97	11.99	11.95	11.97	11.96
ORP (mV)	153.5	73.3	38.8	21.5	5.8	4.2	1.0
~~Turbidity (NTUs)~~ TDS g/L	0.472	0.472	0.475	0.473	0.472	0.472	0.472
Dissolved Oxygen (mg/L,%)	119.3/12.58	48.7/5.22	38.4/4.09	33.5/3.60	26.6/2.84	25.4/2.72	22.9/2.46
Color	sl. Turbid	clear	clr	clr	clr	clr	clr
Purge Volume	3 gal	4 gal	4.25	4.5	5.0	5.25	5.5

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: MW-295 @ 1300

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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Well Number: MW-29D	Project Name: BFC	
Project Number: 410-41	Date: 1/12/18	Weather: Cool, overcast
Development / Purge Method:	Well Screen Interval: 20 to 25	Tidally Influenced? Yes
Logged By: ZH	Water Depth Start: 13.45	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1150	1155	2000	2005	2010	2015		
Water Level (ft)								
pH	7.51	6.40	6.40					
Conductivity (mS/cm)	0.241	0.242	0.242					
Temperature (F)	13.2	13.84	13.85					
ORP (mV)	27.6	-2.6	-8.3					
Turbidity (NTUs)	0.200		0.200					
Dissolved Oxygen (mg/L,%)	23/329	1.2/10.1	9.1/0.92					
Color								
Purge Volume	4.0 gal	4.5						

Well Sampling Information (complete if well is sampled)

Decon Method: Liquinox

Sample Number: MW-29D @ 1155

Water Level Start:

Water Level Finish:

Sampling Method:

Field comments:

Filter Type:

DUP Collected

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12:30 sample

Well Number: MW-30 | **Project Name:** BFC

Project Number: 01-0410-M	Date: 1/12/18	Weather:
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By:	Water Depth Start: 13.09	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 13.10	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	12:10	12:15	12:20	12:25	12:30	12:35	12:40	
Water Level (ft)	13.09'	13.13'	13.10'	13.10'	13.10'			
pH	6.62	6.60	6.60	6.60	6.60			
Conductivity (mS/cm)	437.4	440.0	439.3	438.3	438.6			
Temperature (F)	14.4	14.5	14.5	14.4				
ORP (mV)	-80.1	-124.0	-140.3	-153.7	-163.4			
Turbidity (NTUs)								
Dissolved Oxygen (mg/L,%)	[illegible]	0.63, 5.5	0.39, 3.4	0.24, 2.9	0.24, 2.3			
Color	2.66, 23.1 CLEAR	CLEAR						
Purge Volume								

BKX-693

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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Well Number: MW-295	Project Name: BFC	
Project Number: 01-0410-M	Date: 5/29/18	Weather: Cloudy
Development / Purge Method:	Well Screen Interval: 10 to 15	Tidally Influenced?
Logged By: Haley Carder	Water Depth Start: 11.01	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1015	1020	1025	1030	1035			
Water Level (ft)	11.01	10.96	10.95	10.97	10.97			
pH	6.55	6.49	6.50	6.51	6.52			
Conductivity (mS/cm)	0.380	0.380	0.385	0.396	0.406			
Temperature (F)	14.39	14.32	14.21	14.27	14.32			
ORP (mV)	42.8	39.3	35.3	35.6	36.6			
Turbidity (NTUs)	—	—	—	—	—			
Dissolved Oxygen (mg/L,%)	9.1, 86.4	2.49, 24.1	0.90, 8.8	0.36, 3.4	0.38, 3.7			
Color	clr	clr	clr	clr	clr			
Purge Volume	0.25	0.75	1.25	1.75	2.25			

Well Sampling Information (complete if well is sampled)

Decon Method:

Water Level Start: 11.01'

Sampling Method:

Filter Type:

Sample Number: MW-295 1040

Water Level Finish: 10.97'

Field comments:

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Well Number: MW-29D	Project Name: BFC	
Project Number: 01-0410-M	Date: 5/29/18	Weather: Cloudy
Development / Purge Method:	Well Screen Interval: 20 to 25	Tidally Influenced?
Logged By: Haley Carter	Water Depth Start: ~~15.99~~ 16.12	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 16.51	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	920	925	930	935	940	945		
Water Level (ft)	16.12	16.28	16.31	16.40	16.45	16.51		
pH	6.39	6.36	6.38	6.37	6.37	6.36		
Conductivity (mS/cm)	0.355	0.357 0.428	0.353	0.346	0.342	0.341		
Temperature (F)	14.14	14.14	14.27	14.29	14.33	14.30		
ORP (mV)	126.5	79.0	66.0	46.8	39.0	33.7		
Turbidity (NTUs)	—	—	—	—	—	—		
Dissolved Oxygen (mg/L,%)	4.32, 43.2	4.62, 49.8	1.63, 15.6	0.91, 8.8	0.66, 6.4	0.57, 5.5		
Color	Clear	Clear	clr	clr	clr	clr		
Purge Volume	0.5	0.75	1	1.25	1.75	2.25		

Well Sampling Information (complete if well is sampled)

Decon Method:

Water Level Start: 16.12

Sampling Method:

Filter Type:

Sample Number: MW-29D 930

Water Level Finish: 16.51

Field comments:

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Well Number: MW-18	**Project Name:** BFC	
Project Number: 01-0410-M	**Date:** 5/25	**Weather:** cloudy, Warm
Development / Purge Method:	**Well Screen Interval:** _____ to _____	**Tidally Influenced?** No
Logged By: ZW	**Water Depth Start:** 8.62	**Field Comments:**
Purge Water Disposal Method:	**Water Depth Finish:**	
Purge Water Disposal Volume:	**Bails Dry?** Yes (No) **What Volume?**	**Well Conditions:** (OK) Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1200	1205	1210	1215	1220			
Water Level (ft)	8.62							
pH	6.66	6.63	6.57	6.53	6.53			
Conductivity (mS/cm)	0.385	0.385	0.378	0.374	0.373			
Temperature (F)	15.65	14.53	14.24	14.44	14.53			
ORP (mV)	141.9	126.9	127.5	118.5	114.9			
Turbidity (NTUs)	—	—	—	—	—			
Dissolved Oxygen (mg/L,%)	9.64	8.53	7.78	6.92	6.92			
Color	clr	clr	clr	clr	clr			
Purge Volume	0.25	1.00	1.1	1.2	1.3			

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: 8.62
Sampling Method: Peristaltic
Filter Type: N/A / Lab

Sample Number: _____
Water Level Finish: MW-18 @ 1220
Field comments: _____

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Well Number: MW-21	Project Name: BFC	
Project Number:	Date: 5/25/2018	Weather: Sun, Warm, Calm
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By:	Water Depth Start: 14.04	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1300	1305	1310	1315	1320			
Water Level (ft)	14.04							
pH	6.57	6.60	6.64	6.64	6.64			
Conductivity (mS/cm)	0.400	0.423	0.428	0.423	0.423			
Temperature (F)	15.41	15.66	15.63	15.42	15.61			
ORP (mV)	-39.6	-56.6	-62.6	-63.9	-69.5			
Turbidity (NTUs)	—	—						
Dissolved Oxygen (mg/L,%)	0.84	2.21	1.37	1.40	1.46			
Color	clr	clr						
Purge Volume	0.25	0.4	0.6	1.0	1.2			

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: _____
Sampling Method: _____
Filter Type: _____

Sample Number: MW-21 @ 1320
Water Level Finish: _____
Field comments: QA/QC Vol

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6 VOA QC + #7
#1 Amber HCl
1 Amber
1 Poly 1 Poly HNO_3

Well Number:	Project Name:	
Project Number: MW-23	Date: 5/25/18	Weather:
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By: ZJ	Water Depth Start: 10.04	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1000	1005	1010	1015	1020	1025		
Water Level (ft)								
pH	6.41	6.41	6.40	6.43	6.42	6.44		
Conductivity (mS/cm)	0.351	0.331	0.330	0.33	0.330	0.330		
Temperature (F)	14.77	14.85	14.91	14.98	15.06	15.06		
ORP (mV)	100.4	87.9	86.7	81.9	78.8	77.9		
Turbidity (NTUs)	—	—	—	—	—	—		
Dissolved Oxygen (mg/L,%)	3.30	2.71	2.62	2.43	2.32	2.26		
Color	clr	clr	clr	clr	clr	clr		
Purge Volume	1.5	2	2.5	3.0	3.5	4.0		

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: _____
Sampling Method: _____
Filter Type: _____

Sample Number: _____
Water Level Finish: MW-23 @ 1025
Field comments: _____

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Well Number: MW-24D	Project Name: Boeing Field Chevron	
Project Number: 01.0410.M	Date: 5/25/16	Weather: Cloudy
Development / Purge Method:	Well Screen Interval: 20 to 25	Tidally Influenced?
Logged By: HC	Water Depth Start: 15.56 1120	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 15.51 1150	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1125	1130	1135	1140	1145	1150		
Water Level (ft)	15.59	15.57	15.56	15.54	15.51	15.51		
pH	6.55	6.54	6.55	6.53	6.53	6.53		
Conductivity (mS/cm)	0.642	0.631	0.605	0.572	0.553	0.548		
Temperature (C)	15.16	15.36	15.40	15.24	15.30	15.14		
ORP (mV)	24.3	-69.3	-74.0	-71.5	-70.1	-69.7		
Turbidity (NTUs)	—	—	—	—				
Dissolved Oxygen (mg/L,%)	9.48, 90.5	2.17, 21.7	1.53, 15.3	1.16, 11.6	1.00, 10.0	0.94, 9.4		
Color	Clear	Clear	Clear	Clear	Clear	Clear		
Purge Volume	0.25	0.4	0.75	1	1.25	1.5		

Well Sampling Information (complete if well is sampled)

Decon Method:

Water Level Start: 15.56

Sampling Method:

Filter Type:

Sample Number: MW 24D 1155

Water Level Finish: 15.51

Field comments:

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Well Number: MW-30	Project Name: Boring Field	
Project Number: 01-0410-M	Date: 5/25/18	Weather: Cloudy
Development / Purge Method:	Well Screen Interval: 20 to 25	Tidally Influenced?
Logged By: HC	Water Depth Start: 16.89' 1005	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 16.44	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	10^10	10^15	10^20	10^25	10^30	10^35	10^40	
Water Level (ft)	16.95'	16.94	16.94	16.94	16.94	16.94	16.94	
pH	6.48	6.43	6.52	6.54	6.54	6.55	6.55	
Conductivity (mS/cm)	0.578	0.579	0.571	0.567	0.557	0.550	0.549	
Temperature (~~F~~ C	14.54	14.68	14.71	14.66	14.65	14.71	14.65	
ORP (mV)	106.2	33.8	-32.1	-42.1	-50.1	-57.7	-62.5	
Turbidity (NTUs)	~~7777~~ -	—	—	—	—	—	—	
Dissolved Oxygen (mg/L,%)	7.39, 74.9	8.33, 82.2	4.65, 45.5	4.12, 40.2	3.59, 35.3	2.78, 27.4	2.34, 22.9	
Color	Clear	Clear	Clear	Clear	Clear	Clear	Clear	
Purge Volume	0.25	0.75	1.25	1.75	2.25	2.75	3.25	

Well Sampling Information (complete if well is sampled)

Decon Method:

Water Level Start: 16.89'

Sampling Method:

Filter Type:

Sample Number: MW-30 1040

Water Level Finish: 16.94

Field comments:

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Well Number: MW-27D	**Project Name:** Boeing Field Chev.	
Project Number:	**Date:** 5/25/18	**Weather:** Sunny
Development / Purge Method:	**Well Screen Interval:** 14.5 to 21.5	**Tidally Influenced?**
Logged By:	**Water Depth Start:** 13.98 1105	**Field Comments:**
Purge Water Disposal Method:	**Water Depth Finish:** 13.90	
Purge Water Disposal Volume:	**Bails Dry?** Yes No **What Volume?**	**Well Conditions:** OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	200	205	210	215	220	225		
Water Level (ft)	14.08	13.98	13.96	13.95	13.91	13.90		
pH	6.38	6.33	6.32	6.32	6.27	6.36		
Conductivity (mS/cm)	0.523	0.497	0.479	0.468	0.453	0.428		
Temperature (F)	15.67	15.25	15.40	15.50	15.30	15.26		
ORP (mV)	-4.5	-31.4	-34.0	-34.3	-31.7	-24.6		
Turbidity (NTUs)	—	—	—	—				
Dissolved Oxygen (mg/L,%)	3.36, 33.6	1.24, 12.4	0.95, 9.5	0.82, 8.2	0.49, 4.9	0.49, 4.9		
Color	Clear	Clear	Clear	Clear	Clear	Clear		
Purge Volume	0.2	0.6	1	1.4	1.75	2		

Well Sampling Information (complete if well is sampled)

Decon Method:

Water Level Start: 13.98

Sampling Method:

Filter Type:

Sample Number: MW-27D

Water Level Finish: 13.90

Field comments:

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Well Number: MW-27S	Project Name: BFC	
Project Number:	Date: 5/25	Weather:
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By: ZW	Water Depth Start: 8.27	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1425	1430	1435	1440	1445	1450	1455	
Water Level (ft)	8.27	~~8~~						
pH	6.55	6.53	6.56	6.56	6.55	6.57	6.55	
Conductivity (mS/cm)	0.792	0.782	0.783	0.779	0.757	0.754	0.748	
Temperature (F)	16.20	16.32	16.26	16.22	16.10	16.07	16.16	
ORP (mV)	69.7	71.6	76.9	78.7	83.5	84.9	88.4	
Turbidity (NTUs)	—	—	—	—				
Dissolved Oxygen (mg/L,%)	42.53	5.92	4.34	3.82	3.13	2.70	2.60	
Color	clr	clr						
Purge Volume	.5	0.75	1.25	1.75	2.25	2.75	3.25	

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-27S @ 1450

Water Level Finish: QA AMBER

Field comments: _____

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Well Number: IP-3	Project Name:	
Project Number: 410-M	Date: 5/29/18	Weather:
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced? Y
Logged By: ZW	Water Depth Start: 14.55	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: (OK) Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	9:10	9:15	9:20	9:25	9:30	9:35		
Water Level (ft)	14.55							
pH	6.62	6.55	6.55	6.55	6.55	6.55		
Conductivity (mS/cm)	0.450	0.430	0.404	0.387	0.371	0.361		
Temperature (F)	14.12	14.17	14.22	14.20	14.22	14.22		
ORP (mV)	-33.7	-51.4	-57.5	-58.3	-57.6	-56.9		
Turbidity (NTUs)	—	—	—	—	—			
Dissolved Oxygen (mg/L,%)	13.11	6.00	3.53	2.79	2.27	1.94		
Color	clr	clr	clr	clr	clr	clr		
Purge Volume	0.25	0.75	1.25	2.00	2.75	3.5		

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: IP-3 @ 930

Water Level Finish: _____

Field comments: QA/QC Vol.

MW-B Field Dup

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Well Number: IP-4	**Project Name:** BFC	
Project Number:	**Date:** 5/29	**Weather:**
Development / Purge Method:	**Well Screen Interval:** _____ to _____	**Tidally Influenced?**
Logged By:	**Water Depth Start:** 9.65	**Field Comments:**
Purge Water Disposal Method:	**Water Depth Finish:**	
Purge Water Disposal Volume:	**Bails Dry?** Yes No **What Volume?**	**Well Conditions:** OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1110	1115	1120	1125	1130	1135	1140	
Water Level (ft)	9.65							
pH	6.72	6.83	6.78	6.83	6.85	6.87	6.87	
Conductivity (mS/cm)	0.732	0.714	0.708	0.705	0.703	0.704	0.704	
Temperature (F)	13.93	13.68	13.71	13.67	13.70	13.73	13.74	
ORP (mV)	-82.4	-108.3	-100.4	-94.2	-104.9	-106.9	-106.2	
Turbidity (NTUs)	—	—	—	—				
Dissolved Oxygen (mg/L,%)	0.69	1.83	1.20	1.52	1.86	1.84	1.80	
Color	clr	clr	clr	clr	clr	clr	clr	
Purge Volume	0.5	1.0	2.0	2.5	3.25	4.25	5.00	

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: IP-4 @ 11:45

Water Level Finish: _____

Field comments: _____

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Well Number: IP-5	**Project Name:** BPC	
Project Number:	**Date:** 5/29/18	**Weather:** Cloudy
Development / Purge Method:	**Well Screen Interval:** 18 to 24	**Tidally Influenced?**
Logged By:	**Water Depth Start:** 16.82	**Field Comments:**
Purge Water Disposal Method:	**Water Depth Finish:** 17.1	
Purge Water Disposal Volume:	**Bails Dry?** Yes No **What Volume?**	**Well Conditions:** OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1115	1120	1125	1130	1135	1140		
Water Level (ft)	16.82	16.85	16.88	16.93	16.97	17.1		
pH	6.27	6.24	6.28	6.30	6.30	6.30		
Conductivity (mS/cm)	0.494	0.490	0.483	0.444	0.428	0.414		
Temperature (F)	15.33	14.54	14.51	14.51	14.61	14.47		
ORP (mV)	69.0	59.0	38.3	26.5	21.6	18.5		
Turbidity (NTUs)	—	—	—	—	—	—		
Dissolved Oxygen (mg/L,%)	6.50, 63.0	2.22, 21.5	0.91, 8.9	0.54, 5.3	0.47, 4.7	0.43, 4.4		
Color	clr	clr	clr	clr	clr	clr		
Purge Volume	0.3	0.75	1.2	1.6	2	2.25		

Well Sampling Information (complete if well is sampled)

Decon Method:

Water Level Start: 16.82

Sampling Method:

Filter Type:

Sample Number: A IP-5

Water Level Finish: 17.1

Field comments:

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Well Number: IP-7	Project Name:	
Project Number: 01-0410-N	Date: 6/7/18	Weather:
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time								
Water Level (ft)								
pH								
Conductivity (mS/cm)								
Temperature (F)								
ORP (mV)								
Turbidity (NTUs)								
Dissolved Oxygen (mg/L,%)								
Color								
Purge Volume								

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: IP-7 @ 9:00

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

Product: 14.76 – 15.2

~ 6"

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Well Number: MW-18 | **Project Name:** BFC

Project Number:	Date: 8/23/18	Weather:
Development / Purge Method:	Well Screen Interval: 11 to 16	Tidally Influenced? N
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? (Yes) No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Pumped Dry ~1L

Time	1245	1250	1255	1300				
Water Level (ft)								
pH	6.30	6.17						
Conductivity (mS/cm)	0.696	0.663	DRY	DRY				
Temperature (F)	19.16	19.51						
ORP (mV)	50	61						
Turbidity (NTUs)	1.7	1.1						
Dissolved Oxygen (mg/L %)	Ø	Ø						
~~Color~~ TDS	0.456	0.425						
Purge Volume	1L	2L						

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-18 @ 1300

Water Level Finish: _____

Field comments: _____

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Well Number: MW-19	Project Name: BEP	
Project Number:	Date: 8/23/18	Weather: Sunny
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By: HC	Water Depth Start: 15.52	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1310	1315	1320	1325	1330			
Water Level (ft)	15.52							
pH	6.12	PUMPED						
Conductivity (mS/cm)	0.443	DRY						
Temperature (F)	19.0C							
ORP (mV)	5							
Turbidity (NTUs)	54							
Dissolved Oxygen (mg/L,%)	6.3							
Color	Red							
Purge Volume	0.81							

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: 15.52 Water Level Finish: _____

Sampling Method: _____ Field comments: 1335

Filter Type: _____

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Well Number: MW-20	Project Name: BFC	
Project Number:	Date: 8/23/18	Weather: Partly Cloudy
Development / Purge Method:	Well Screen Interval: 15 to 20	Tidally Influenced?
Logged By: HC	Water Depth Start: 15.76	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1230	1235	1240	1245	1250			
Water Level (ft)	15.76	-	-	-	-			
pH	5.56	6.30	6.40	6.56	6.69			
Conductivity (mS/cm)	0.631	0.583	0.522	0.484	0.460			
Temperature (F)	16.92	16.16	16.09	16.02	15.91			
ORP (mV)	-53	-85	-91	-88	-80			
Turbidity (NTUs)	124	22.0	7.2	3.8	5.9			
Dissolved Oxygen (mg/L,%)	0.60	0.08	0.00	0.00	0.00			
Color	Clear	Clear	clear	Clear	Clear			
Purge Volume	0	0.3	0.6	0.9	1.2			

Well Sampling Information (complete if well is sampled)

Decon Method:

Water Level Start: 15.76

Sampling Method:

Filter Type:

Sample Number:

Water Level Finish: 15.39

Field comments: 1300

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Well Number: MW-21	**Project Name:** BFC	
Project Number:	**Date:** 8/23/18	**Weather:** Sunny
Development / Purge Method:	**Well Screen Interval:** _____ to _____	**Tidally Influenced?** Yes
Logged By:	**Water Depth Start:** 14.56	**Field Comments:**
Purge Water Disposal Method:	**Water Depth Finish:**	
Purge Water Disposal Volume:	**Bails Dry?** Yes No **What Volume?**	**Well Conditions:** OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1355	1400	1405	1410	1415	1420		
Water Level (ft)	14.56	—	—	—	—	—		
pH	5.80	6.31	6.39	6.42	6.44	6.44		
Conductivity (mS/cm)	0.470	0.486	0.484	0.483	0.484	0.483		
Temperature (F)	17.95	16.83	15.62	15.54	15.60	15.58		
ORP (mV)	-46	-95	-104	-108	-110	-112		
Turbidity (NTUs)	4.7	1.7	1.9	1.6	1.4	2.2		
Dissolved Oxygen (mg/L,%)	0.16	0.00	0.00	0.00	0.00	0.00		
Color	Clear	Clear	Clear	Clear	Clear	Clear		
Purge Volume	0	0.25	0.5	0.75	1	1.25		

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: 14.56
Sampling Method: _____
Filter Type: _____

Sample Number: _____
Water Level Finish: 1
Field comments: 1430

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Well Number: MW-22	Project Name: BFC	
Project Number:	Date: 8/23/18	Weather: Partly Cloudy
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced? Yes
Logged By: HC	Water Depth Start: 11.06	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1130	1135	1140	1145	1150			
Water Level (ft)	11.06	13.04	13.21	13.22	13.22			
pH	6.15	6.23	6.11	6.09	6.11			
Conductivity (mS/cm)	0.548	0.527	0.526	0.527	0.527			
Temperature (F)	20.29	18.06	18.21	18.32	18.52			
ORP (mV)	61	-34	-43	-45	-47			
Turbidity (NTUs)	22.5	50.0	~~26~~ 13.4	40.2	4.2			
Dissolved Oxygen (mg/L,%)	1.03	2.43	2.35	2.32	2.27			
Color	Clear	Clear	Clear	clear	Clear			
Purge Volume	0	0.1	0.2	0.3	0.4			

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: 11.06
Sampling Method: _____
Filter Type: _____

Sample Number: MW-22
Water Level Finish: 13.22
Field comments: 1200

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Well Number: MW-23	**Project Name:** BFC	
Project Number:	**Date:** 5/23/18	**Weather:**
Development / Purge Method:	**Well Screen Interval:** _____ to _____	**Tidally Influenced?**
Logged By:	**Water Depth Start:** 10.73	**Field Comments:**
Purge Water Disposal Method:	**Water Depth Finish:**	
Purge Water Disposal Volume:	**Bails Dry?** Yes No **What Volume?**	**Well Conditions:** OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1035	1040	1045	1050	1055			
Water Level (ft)	10.73	11.21	11.55	11.77	12.26			
pH	6.07	5.97	6.01	6.04	6.00			
Conductivity (mS/cm)	0.564	0.571	0.574	0.576	0.574			
Temperature (F)	18.21	18.99	19.37	19.43	19.37			
ORP (mV)	128	78	42	19	12			
Turbidity (NTUs)	15.2	10.6	3.7	2.6	3.3			
Dissolved Oxygen (mg/L,%)	0.76	0.10	0.01	0.00	0.00			
Color	Rusty then clear	Clear	Clear	Clear	Clear			
Purge Volume	0	0.3	0.6	0.9	1.2			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: 10.73

Sampling Method: _____

Filter Type: _____

Sample Number: MW-23 1100

Water Level Finish: 12.26

Field comments: _____

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Well Number: 24D	**Project Name:** BFC	
Project Number:	**Date:** 8/23	**Weather:**
Development / Purge Method:	**Well Screen Interval:** 20 to 25	**Tidally Influenced?**
Logged By:	**Water Depth Start:**	**Field Comments:**
Purge Water Disposal Method:	**Water Depth Finish:**	
Purge Water Disposal Volume:	**Bails Dry?** Yes No **What Volume?**	**Well Conditions:** OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1030	1035	1040	1045				
Water Level (ft)								
pH	6.51	6.32	6.22	6.17				
Conductivity (mS/cm)	1.25	1.19	1.13	1.10				
Temperature (F)	15.27	15.06	14.96	15.07				
ORP (mV)	-100	-95	-94	-92				
Turbidity (NTUs)	1.3	0.8	0.9	1.4				
Dissolved Oxygen (mg/L,%)	0	0.00	0	0				
Color								
Purge Volume	0			1.5				

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-24D @ 1100

Water Level Finish: _____

Field comments: _____

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Well Number: MW-25	Project Name: BFC	
Project Number:	Date: 8/23/18	Weather: Cloudy
Development / Purge Method:	Well Screen Interval: 9 to 14	Tidally Influenced? Yes
Logged By: HC	Water Depth Start: 9.93	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	9:40	9:45	9:50	9:55	10:00	10:05		
Water Level (ft)	9.93	11.79	11.67	11.84	11.95	11.97		
pH	7.15	6.09	6.06	6.10	6.13	6.12		
Conductivity (mS/cm)	0.392	0.376	0.374	0.373	0.373	0.372		
Temperature (F)	16.25	16.55	16.40	16.40	16.38	16.35		
ORP (mV)	208	204	195	186	177	172		
Turbidity (NTUs)	4.8	3.2	3.6	3.7	3.5	3.5		
Dissolved Oxygen (mg/L,%)	7.46	5.80	4.04	3.59	3.11	1.20		
Color	clear	clear	clear	clear	clear	clear		
Purge Volume	0	0.2	0.5	0.8	1.1	1.4		

Well Sampling Information (complete if well is sampled)

Decon Method:

Water Level Start: 9.93

Sampling Method:

Filter Type:

Sample Number: MW-25

Water Level Finish: 11.97

Field comments: QAQC 10:10

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Well Number: 265	Project Name: BEC	
Project Number:	Date: 8/24/18	Weather: Cloudy
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By:	Water Depth Start: 8.84	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1135	1140	1145	1150	1155	1200		
Water Level (ft)	8.84	10.00	10.55	~~10.84~~ 10.85	11.31	11.47		
pH	5.06	6.48	6.48	6.47	6.46	6.47		
Conductivity (mS/cm)	0.344	0.328	0.326	0.329	0.328	0.329		
Temperature (F)	18.83	19.11	19.39	19.25	19.23	19.36		
ORP (mV)	-16	-32	-28	-31	-29	-31		
Turbidity (NTUs)	18.3	250	10.8	4.3	5.9	5.41		
Dissolved Oxygen (mg/L,%)	0.65	0.07	0.00	0.17	0.11	1.60		
Color	Clear	Clear	Clear	Clear	Clear	Clear		
Purge Volume	0.3	0.6	0.9	1.2	1.5	1.8		

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: 1210

Sampling Method: _____ Field comments: _____

Filter Type: _____

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Well Number: MW-26D	Project Name: BEC	
Project Number:	Date: 8/24/18	Weather: Partly Cloudy
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By:	Water Depth Start: 15.95	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1050	1055	1102	1105	1110	1113		
Water Level (ft)	15.95	16.03	16.05	16.08	16.09	16.10		
pH	6.02	5.53	6.60	6.65	6.60	6.42		
Conductivity (mS/cm)	0.389	0.393	0.391	0.384	0.377	0.369		
Temperature (F)	16.98	16.60	16.37	16.13	16.02	15.91		
ORP (mV)	-15	-23	-31	-34	-33	-26		
Turbidity (NTUs)	7.0	4.5	3.6	3.3	2.9	3.1		
Dissolved Oxygen (mg/L,%)	0.65	0.24	0.06	0.00	0.00	0.00		
Color	Clear	Clear	Clear	Clear	Clear	Clear		
Purge Volume	0	0.25	0.5	0.75	1	1.25		

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: 1120

Filter Type: _____

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Well Number: 27DS		Project Name: REC
Project Number:	Date: 8/23/18	Weather: SUNNY
Development / Purge Method:	Well Screen Interval: 7 to 12	Tidally Influenced?
Logged By:	Water Depth Start: 7.48	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1450	1455	1500	1505	1510	1515		
Water Level (ft)	7.48	7.63	7.66	7.66	7.66	7.66		
pH	5.43	6.54	6.57	6.57	6.54	6.54		
Conductivity (mS/cm)	0.360	0.336	0.352	0.307	0.308	0.297		
Temperature (F)	22.14	20.70	20.74	20.21	19.63	19.70		
ORP (mV)	37	45	54	65	70	76		
Turbidity (NTUs)	3.3	0.4	0.4	0.3	0.2	0.2		
Dissolved Oxygen (mg/L,%)	1.90	1.37	1.27	1.25	1.25	1.21		
Color	Clear	Clear	Clear	Clear	Clear	Clear		
Purge Volume	0	0.3	0.6	0.9	1.2	1.5		

Well Sampling Information (complete if well is sampled)

Decon Method:

Water Level Start: 7.45

Sampling Method:

Filter Type:

Sample Number:

Water Level Finish:

Field comments: 1520

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Well Number: MW-27D		Project Name: BFC
Project Number:	Date: 8/24/18	Weather: Partly Cloudy
Development / Purge Method:	Well Screen Interval: _____ to 2.	Tidally Influenced?
Logged By:	Water Depth Start: 15.06	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1000	1005	1010	1015	1020	1025		
Water Level (ft)	15.06	15.20	15.24	15.30	15.32	15.35		
pH	6.75	6.53	6.53	6.53	6.38	6.12		
Conductivity (mS/cm)	0.491	0.486	0.488	0.474	0.461	0.455		
Temperature (F)	14.63	15.21	15.48	15.53	15.66	15.70		
ORP (mV)	-83	-94	-97	-91	-86	-78		
Turbidity (NTUs)	10.7	17.1	6.5	5.3	4.9	5.4		
Dissolved Oxygen (mg/L,%)	0.88	0.23	0.08	0.04	0.00	0.00		
Color	Clear	Clear	Clear	Clear	Clear	Clear		
Purge Volume	0	0.2	0.4	0.6	0.8	1.		

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: 15.06'

Sampling Method: _____

Filter Type: _____

Sample Number: _____

Water Level Finish: 15.35

Field comments: 1030

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Well Number: 285	**Project Name:**	
Project Number:	**Date:**	**Weather:**
Development / Purge Method:	**Well Screen Interval:** _____ to _____	**Tidally Influenced?**
Logged By:	**Water Depth Start:**	**Field Comments:**
Purge Water Disposal Method:	**Water Depth Finish:**	
Purge Water Disposal Volume:	**Bails Dry? Yes No What Volume?**	**Well Conditions: OK Not OK**
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1440	1445	1450	1455	1500			
Water Level (ft)								
pH	6.09	6,10	6.31	6.29	6,14			
Conductivity (mS/cm)	0.751	0.731	0.745	0.746	0.728			
Temperature (F)	19,93	19.95	19.77	19.36	19.29			
ORP (mV)	73	101	108	113	115			
Turbidity (NTUs)	0.1	0.6	0.5	0.6	1.2			
Dissolved Oxygen (mg/L,%)	0	Ø	Ø	Ø	Ø			
Color TDS (g/L)	0.480	0.465	0.479	0.479	0.474			
Purge Volume	Ø				2,5			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-285 @ 1500

Water Level Finish: _____

Field comments: _____

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Well Number: MW-28D	**Project Name:**	
Project Number:	**Date:** 8/23/2018	**Weather:**
Development / Purge Method:	**Well Screen Interval:** 18 to 23	**Tidally Influenced?**
Logged By:	**Water Depth Start:**	**Field Comments:**
Purge Water Disposal Method:	**Water Depth Finish:**	
Purge Water Disposal Volume:	**Bails Dry?** Yes No **What Volume?**	**Well Conditions:** OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1400	1405	1410	1415	1420			
Water Level (ft)								
pH	6.08	5.99	5.94	5.96	5.96			
Conductivity (mS/cm)	0.322	0.331	0.337	0.337	0.338			
Temperature (F)	18.26	17.67	17.25	17.43	17.28			
ORP (mV)	-75	-52	-38	-31	-29			
Turbidity (NTUs)	1.3	1.3	0.9	0.6	0.5			
Dissolved Oxygen (mg/L,%)	Ø	Ø	Ø	Ø	Ø			
~~Color~~ TDS (g/L)	0.211	0.215	0.220	0.219	0.220			
Purge Volume	0	0.5	1	1.5	2.0			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-28D @ 1420

Water Level Finish: _____

Field comments: _____

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Well Number: MW-295	Project Name: BFC	
Project Number: 01-0410-M	Date: 8/24/2018	Weather:
Development / Purge Method:	Well Screen Interval: 10 to 15	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? (Yes) No What Volume? 1 Gallon	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1315	1320	1325	1330	1335			
Water Level (ft)								
pH	6.06	6.11	6.13	6.13	6.13			
Conductivity (mS/cm)	0.571	0.555	0.553	0.555	0.554			
Temperature (F)	19.85	20.09	20.07	19.96	19.97			
ORP (mV)	21	12	9	4	3			
Turbidity (NTUs)	1.1	1.0	0.7	0.7	0.6			
Dissolved Oxygen (mg/L,%)	Ø	Ø	Ø	Ø	Ø			
Color	0.366	0.355	0.354	0.355	0.354			
Purge Volume	½ gal	1 gal	1¼ gal	1.5 gal	1.75 gal			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-295 @ 1330

Water Level Finish: _____

Field comments: _____

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Well Number: MW-29D	Project Name:	
Project Number:	Date: 8/29/18	Weather:
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By:	Water Depth Start: 18.25	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1235	12:40	12:45	12:50	12:55			
Water Level (ft)	18.25	—	—	—	—			
pH	6.28	6.46	6.52	6.52	6.51			
Conductivity (mS/cm)	0.276	0.283	0.270	0.269	0.268			
Temperature (F)	18.99	18.81	17.36	15.86	15.50			
ORP (mV)	6	-37	-51	-54	-56			
Turbidity (NTUs)	22.2	13.0	5.8	3.3	2.3			
Dissolved Oxygen (mg/L,%)	0.38	0.07	0.00	0.00	0.00			
Color	Clear	Clear	Clear	clear	clear			
Purge Volume	0.0	0.25	0.5	0.75	1.0			

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: 18.25
Sampling Method: _____
Filter Type: _____

Sample Number: _____
Water Level Finish: _____
Field comments: 13:0

Dup 2 13:5

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Well Number: MW-30	Project Name:	
Project Number:	Date: 8-23	Weather:
Development / Purge Method:	Well Screen Interval: 20 to 25	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1115	1120	1125	1130				
Water Level (ft)								
pH	6.21	6.20	6.19	6.19				
Conductivity (mS/cm)	0.865	0.838	0.813	0.792				
Temperature (F)	14.71	14.56	15.36	16.04				
ORP (mV)	-55	-60	-59	-54				
Turbidity (NTUs)	2.2	0.8	2.3	4.7				
Dissolved Oxygen (mg/L,%)	Ø	Ø	Ø	Ø				
Color TDS		0.536	0.519	0.504				
Purge Volume	Ø			1.5				

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-30 @ 1145

Water Level Finish: EDB QA/QC

Field comments: _____

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Well Number: IP-3	**Project Name:** BFC	
Project Number:	Date: 8/24/18	Weather:
Development / Purge Method:	Well Screen Interval: 18 to 23	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1009	1015	1020	1030	~~1040~~ 1035			
Water Level (ft)								
pH	6.05	5.97	5.97	5.97	5.97			
Conductivity (mS/cm)	0.982	1.01	0.979	0.955	0.948			
Temperature (F)	14.72	14.86	14.92	14.97	14.99			
ORP (mV)	-47	-59	-66	-64	-63			
Turbidity (NTUs)	1.4	1.1	1.0	1.1	1.1			
Dissolved Oxygen (mg/L,%)	Ø	Ø	Ø	Ø	Ø			
~~Color~~ TDS (g/L)	~~0.629~~	0.647	0.626	0.611	0.606			
Purge Volume	1L	2L	1 Gal	2 gal	2.5 gal			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: IP-3 @ 1045 Dup MW-A

Water Level Finish: _____

Field comments: _____

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Well Number: IP-4	**Project Name:** SFC	
Project Number: 410-M	**Date:** 8/24/18	**Weather:**
Development / Purge Method:	**Well Screen Interval:** _____ to _____	**Tidally Influenced?**
Logged By:	**Water Depth Start:** 10.00	**Field Comments:**
Purge Water Disposal Method:	**Water Depth Finish:**	
Purge Water Disposal Volume:	**Bails Dry?** Yes No **What Volume?**	**Well Conditions:** OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1120	1125	1130	1135	1140			
Water Level (ft)	10.00							
pH	6.24	6.25	6.26	6.27	6.27			
Conductivity (mS/cm)	1.33	1.31	1.29	1.28	1.27			
Temperature (F)	16.67	16.95	16.98	16.97	16.97			
ORP (mV)	-106	-111	-112	-114	-114			
Turbidity (NTUs)	10.3	9.8	9.3	6.3	6.4			
Dissolved Oxygen (mg/L,%)	Ø	Ø	Ø	Ø	Ø			
Color	0.850	0.840	0.827	0.816	0.814			
Purge Volume	1/2 gal	3/4 gal	1.2 gal	1.75 gal	2.0 gal			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: IP-4 @ 1145

Water Level Finish: _____

Field comments: _____

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Well Number: IP-5	Project Name: BFC	
Project Number: 410-M	Date: 8/24/18	Weather:
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1200	1205	1210	1215	1220	1225		
Water Level (ft)								
pH	5.98	5.94	5.94	5.93	5.94	5.94		
Conductivity (mS/cm)	0.990	0.989	0.987	0.975	0.964	0.923		
Temperature (F)	15.47	15.22	15.17	14.98	14.90	14.88		
ORP (mV)	-43	-45	-46	-47	-47	-45		
Turbidity (NTUs)	1.3	1.0	1.4	1.2	0.8	1.5		
Dissolved Oxygen (mg/L,%)	0.0	0	0	0	0	0		
Color	0.634	0.633	0.631	0.621	0.617	0.590		
Purge Volume	1L	2L	3L	3.5L	5L	6.5L		

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: IP-5 @ 1230

Water Level Finish: _____

Field comments: _____

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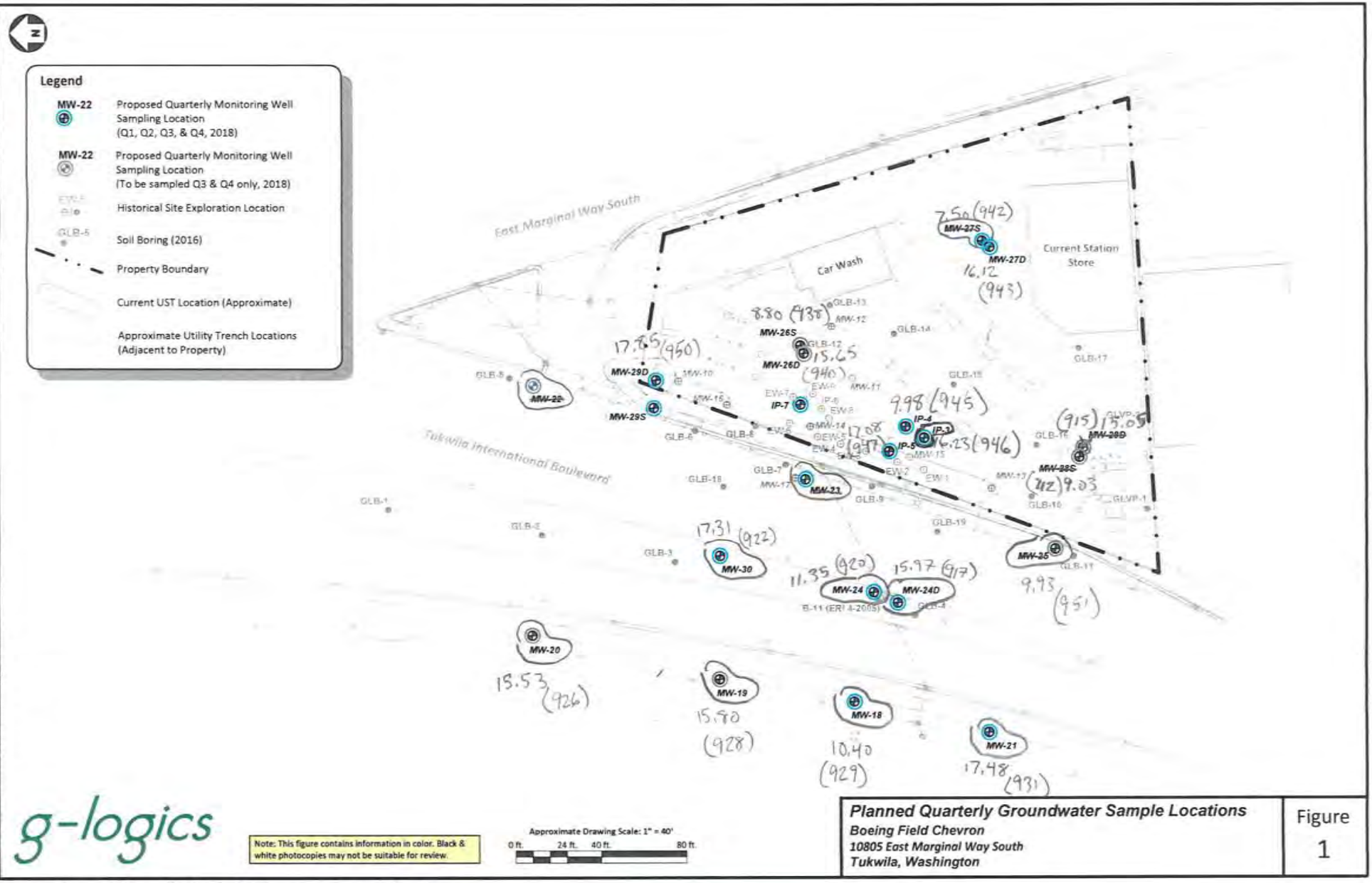

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Note: This figure contains information in color. Black & white photocopies may not be suitable for review.

Approximate Drawing Scale: 1" = 40'
0 ft. 24 ft. 40 ft. 80 ft.

Planned Quarterly Groundwater Sample Locations
Boeing Field Chevron
10805 East Marginal Way South
Tukwila, Washington

Figure 1

Project File: 01-0410-M F1 Updated Well Sampling.vsd

Mapping References: PLS Survey 2016, G-Logics Field Measurements, Previous Site Report Figures.

Well Number: MW-18	**Project Name:** BFC	
Project Number:	Date: 11/27/18	Weather: Rainy
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1455							
Water Level (ft)								
pH	6.38							
Conductivity (mS/cm)	0.379							
Temperature (F)	15.39	DRY						
ORP (mV)	166							
Turbidity (NTUs)	10.1							
Dissolved Oxygen (mg/L,%)	9.97							
Color	Clear							
Purge Volume								

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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Well Number: MW-19	Project Name: BP

Project Number: 01-0410-M	Date: 11/27/18	Weather: cloudy
Development / Purge Method:	Well Screen Interval: 15 to 20	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1400	1405	1410	1415	1420	1425		
Water Level (ft)	10.38'	–	–	–	–	11.17'		
pH	6.55	6.40	6.42	6.44	6.45	6.51		
Conductivity (mS/cm)	0.435	0.549	0.572	0.561	0.570	0.576		
Temperature (F)	15.82	15.84	15.80	15.84	15.84	15.78		
ORP (mV)	113	135	113	93	88	79		
Turbidity (NTUs)	97.9	11.2	13.9	23.5	16.9	9.9		
Dissolved Oxygen (mg/L,%)	3.43	0.36	0.01	0.19	0.01	0.00		
Color	clear	clear	clear	clear	clear	clear		
Purge Volume	0	0.3	0.6	0.9	1.2	1.5		

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-19 1425

Water Level Finish: _____

Field comments: _____

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Well Number: MW-20	Project Name: BFC	
Project Number: 01-0410-M	Date: 11/27/18	Weather: Cloudy
Development / Purge Method:	Well Screen Interval: 15 to 20	Tidally Influenced?
Logged By: HC	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1310	1315	1320	1325	1330	[redacted]		
Water Level (ft)	11.57	–	–	–	– 11.71			
pH	6.45	6.43	6.43	6.42	6.42			
Conductivity (mS/cm)	0.533	0.502	0.487	0.472	0.464			
Temperature (F)	15.93	15.88	15.87	15.84	15.82			
ORP (mV)	-78	-70	-65	-62	-61			
Turbidity (NTUs)	73.5	31.6	12.2	7.00	6.0			
Dissolved Oxygen (mg/L,%)	1.24	0.28	0.00	0.00	0.00			
Color	Clear	Clear	Clear	Clear	Clear			
Purge Volume	0.0	0.3	0.6	0.9	1.2	N/A		

Well Sampling Information (complete if well is sampled)

Decon Method:

Water Level Start:

Sampling Method:

Filter Type:

Sample Number: MW-20 1340

Water Level Finish: 11.71

Field comments:

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Well Number: MW-21	Project Name: BEC	
Project Number: 01-0410-M	Date: 11/28/18	Weather: RAIN
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By: AC	Water Depth Start: 9.59	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 8.99	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	830	835	840	845	850			
Water Level (ft)	9.59	—	—	—	—			
pH	6.34	6.37	6.45	6.46	6.46			
Conductivity (mS/cm)	0.556	0.575	0.592	0.600	0.603			
Temperature (F)	12.29	12.70	12.95	12.88	13.31			
ORP (mV)	110	82	58	50	46			
Turbidity (NTUs)	17.6	14.7	8.0	5.0	4.2			
Dissolved Oxygen (mg/L,%)	0.38	0.13	0.06	0.01	0.01			
Color	Clear	Clear	Clear	Clear	Clear			
Purge Volume gal	0.1	0.4	0.7	1.0	1.3			

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: _____
Sampling Method: _____
Filter Type: _____

Sample Number: MW-21 850
Water Level Finish: 8.99
Field comments: _____

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Well Number: MW-22	Project Name: BFC	
Project Number: 01-0410-M	Date: 11/27/18	Weather: Sunny
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By: HC	Water Depth Start: ~~10~~ 11.98	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1035	1040	1045	1050	1055	~~10~~ 1100		
Water Level (ft)	11.98	11.56	12.30	12.79	12.31	12.51		
pH	6.71	6.69	6.65	6.67	6.70	6.72		
Conductivity (mS/cm)	0.301	0.293	0.283	0.282	0.275	0.275		
Temperature (~~F~~) C	16.25	16.50	16.61	16.84	16.83	16.88		
ORP (mV)	154	94	74	64	58	55		
Turbidity (NTUs)	75.4	33.1	59.1	8.3	1.9	0.6		
Dissolved Oxygen (mg/L,%)	0.58	2.70	2.56	2.24	2.13	1.99		
Color	Clear	Clear	Clear	Clear	Clear	Clear		
Purge Volume	0	0.2	0.4	0.6	0.8	1.0		

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: 11.98
Sampling Method: _____
Filter Type: _____

Sample Number: MW-22 1105
Water Level Finish: 12.51
Field comments: _____

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Well Number: MW-23 | **Project Name:**

Project Number:	Date: 11/27	Weather:
Development / Purge Method:	Well Screen Interval: ____________ to ____________	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1030	1035	1040	1045	1050			
Water Level (ft)	10.49							
pH	6.59	6.[illegible]	[illegible]	6.60	6.[illegible]			
Conductivity (mS/cm)	0.556	[illegible]	[illegible]	0.568	[illegible]			
Temperature (F)	14.76	15.15	15.05	16.04	14.87			
ORP (mV)	66	52	47	46	46			
Turbidity (NTUs)	[illegible]	15.7	[illegible]	11.2	11.7			
Dissolved Oxygen (mg/L,%)	[illegible]	2.66	[illegible]	0.12	0.00			
Color	clr	clr	clr	clr	clr			
Purge Volume	0.5	0.7	0.9	[illegible]	[illegible]			

Well Sampling Information (complete if well is sampled)

Decon Method:		Sample Number:	MW-23 @ 1050
Water Level Start:		Water Level Finish:	
Sampling Method:		Field comments:	
Filter Type:			

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Well Number: MW-24D	**Project Name:**	
Project Number:	**Date:** 11/27	**Weather:** Sunny, Clr
Development / Purge Method:	**Well Screen Interval:** 20 to 25	**Tidally Influenced?** Y
Logged By:	**Water Depth Start:**	**Field Comments:**
Purge Water Disposal Method:	**Water Depth Finish:**	
Purge Water Disposal Volume:	**Bails Dry?** Yes No **What Volume?**	**Well Conditions:** OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1130	1135	1140	1145	1150	1200		
Water Level (ft)	12.2							
pH	6.67	6.70	6.72	6.73	6.74	6.74		
Conductivity (mS/cm)	0.644	0.643	0.644	0.644	0.642	0.643		
Temperature (F)	14.54	14.49	14.52	14.52	14.52	14.53		
ORP (mV)	-73	-81	-84	-85	-88	-89		
Turbidity (NTUs)	11.5	8.3	6.0	5.9	6.74	6.74		
Dissolved Oxygen (mg/L,%)	9.45	2.72	1.14	0.82	0	0		
Color	clr	clr	clr	clr	clr	clr		
Purge Volume	.5	1.00	1.5	2.0	2.25	2.35		

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-24D @ 1200 QA/QC 8260 Full Suite

Water Level Finish: _____

Field comments: _____

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Well Number: MW-24	**Project Name:**	
Project Number:	**Date:** 11/27	**Weather:**
Development / Purge Method:	**Well Screen Interval:** 8.65 to 13.65	**Tidally Influenced?**
Logged By:	**Water Depth Start:**	**Field Comments:**
Purge Water Disposal Method:	**Water Depth Finish:**	
Purge Water Disposal Volume:	**Bails Dry?** Yes (@) No **What Volume?** 1.5 gal	**Well Conditions:** OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

(DRY)

Time	1230	1242	1320					
Water Level (ft)								
pH	6.35	6.34						
Conductivity (mS/cm)	1557	0.596						
Temperature (F)	16.16	16.12	PUMPED DRY					
ORP (mV)	105	110						
Turbidity (NTUs)	31.2	28.8						
Dissolved Oxygen (mg/L,%)	3.32	1.82						
Color	CR	C/L						
Purge Volume	0.25	1.25						

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-24 @ 1300

Water Level Finish: _____

Field comments: _____

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Well Number: MW-25	Project Name:	
Project Number:	Date: 11/27	Weather:
Development / Purge Method:	Well Screen Interval: 9 to 14	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	922	930	935	[illegible]	[illegible]	1000		
Water Level (ft)	9.6							
pH	7.47	6.62	6.55	6.51	6.51	6.51		
Conductivity (mS/cm)	0.389	0.359	0.352	0.347	0.347	0.347		
Temperature (F)	13.95	14.97	15.18	15.1	15.16	15.15		
ORP (mV)	144	151	146	143	142	142		
Turbidity (NTUs)	1.2	84.8	39.6	17.7	16.1	17.6		
Dissolved Oxygen (mg/L,%)	11.9 mg/L	2.78	1.[illegible]	0.48	0.42	0.30		
Color	clr	clr	clr	clr	clr	clr		
Purge Volume	[illegible]	0.5	0.7	1.1	1.3	1.5		

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-25 @ 1000

Water Level Finish: _____

Field comments: _____

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Well Number: MW-26D		Project Name: BEC
Project Number: 01-0410-M	Date: 11/28/18	Weather: Rain
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By: HC	Water Depth Start: 12.20'	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	925	930	935	940	945			
Water Level (ft)	12.20'	12.15	12.11	12.08'	12.05'			
pH	6.54	6.40	6.42	6.42	6.41			
Conductivity (mS/cm)	0.454	0.424	0.412	0.401	0.398			
Temperature (F)	12.92	14.45	14.57	14.62	14.65			
ORP (mV)	103	135	125	122	121			
Turbidity (NTUs)	10.7	3.6	3.0	1.6	2.5			
Dissolved Oxygen (mg/L,%)	0.74	0.00	0.00	0.00	0.00			
Color	Clear	Clear	clear	clear	Clear			
Purge Volume	0	0.3	0.6	0.9	1.2			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-26D 950

Water Level Finish: _____

Field comments: _____

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Well Number: MW-26S	Project Name:	
Project Number:	Date: 11/28/16	Weather:
Development / Purge Method:	Well Screen Interval: 7 to 12	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1005	1010	1015	1020	1025			
Water Level (ft)	7.99	8.14	8.15	8.16	8.16			
pH	6.60	6.32	6.34	6.36	6.37			
Conductivity (mS/cm)	0.514	0.467	0.457	0.456	0.458			
Temperature (F)	12.96	15.32	15.41	15.46	15.51			
ORP (mV)	115	183	195	204	210			
Turbidity (NTUs)	27.1	9.6	8.1	7.4	5.6			
Dissolved Oxygen (mg/L,%)	1.42	1.16	1.20	1.23	1.20			
Color	clear	clear	clear	clear	clear			
Purge Volume	0	0.25	0.5	0.75	1.0			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-26S 1030

Water Level Finish: _____

Field comments: _____

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MW-27D

Well Number:	Project Name:	
Project Number:	Date: 11/28	Weather:
Development / Purge Method:	Well Screen Interval: _____ to _____	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1020	1025	1030	1035	1040	1045		
Water Level (ft)								
pH	6.37	6.38	6.38	6.42	6.44	6.44		
Conductivity (mS/cm)	0.258	0.255	0.255	0.238	0.226	0.223		
Temperature (F)	13.97	14.00	14.20	14.10	14.06	14.02		
ORP (mV)	12	10	10	-1	-2	-3		
Turbidity (NTUs)	24.2	22.2	22.2	9.9	9.1	8.8		
Dissolved Oxygen (mg/L,%)	0.15	Ø	Ø	Ø	Ø	Ø		
Color TDS @ L	clr	0.166	0.166	0.153	0.147	0.145		
Purge Volume	1	1.5	2.0	2.5	3.0	3.5		

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-27D @ 1045

Water Level Finish: _____

Field comments: _____

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MW-27S

Well Number:	Project Name:	
Project Number:	Date: 11/28	Weather:
Development / Purge Method:	Well Screen Interval: 7 to 12	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

3 x 0.163 = 0.48 x 3 = 1.5 gallons (3 casings)

Time	1100	1105	1110	1115	1120	1125	1130	
Water Level (ft)								
pH	6.39	6.44	6.44	6.48	6.50	6.52	6.52	
Conductivity (mS/cm)	0.245	0.246	0.246	0.252	0.254	0.250	0.251	
Temperature (F)	14.96	15.14	15.16	15.22	15.26	15.28	15.30	
ORP (mV)	49	63	65	82	92	99	101	
Turbidity (NTUs)	14.3	19.6	20.2	22.2	16.9	16.1	15.2	
Dissolved Oxygen (mg/L,%)	Ø	Ø	Ø	Ø	Ø	Ø	Ø	
Color	0.159	0.160	0.160	0.164	0.165	0.163	0.163	
Purge Volume	0.25	0.5	1.0	1.25	2.0	2.5	2.75	

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-27S @ 1145

Water Level Finish: _____

Field comments: _____

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Well Number: MW-28D	**Project Name:**	
Project Number:	**Date:** 11/27/18	**Weather:**
Development / Purge Method:	**Well Screen Interval:** 18 to 23	**Tidally Influenced?**
Logged By:	**Water Depth Start:**	**Field Comments:**
Purge Water Disposal Method:	**Water Depth Finish:**	
Purge Water Disposal Volume:	**Bails Dry?** Yes No **What Volume?**	**Well Conditions:** OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1350	1355	1400	1405	1410	1415	1420	
Water Level (ft)								
pH	6.53	6.52	6.51	6.51	6.49	6.50	6.50	
Conductivity (mS/cm)	0.167	0.167	0.166	0.166	0.167	0.166	0.166	
Temperature (F)	14.29	14.31	14.29	14.27	14.27	14.25	14.25	
ORP (mV)	9	7	-2	-3	-5	-6	-7	
Turbidity (NTUs)	9.5	7.2	9.3	11.3	8.7	7.8	6.0	
Dissolved Oxygen (mg/L,%)	1.58	1.32	Ø	Ø	Ø	Ø	Ø	
Color	clr							
Purge Volume		.5	0.75	1.5	2.0	2.5	3.0	

$12/2 = 6 in^2$
$A = \pi r^2$
$V = 36^2 \cdot 29$
$= 2,712.9 ft^3$

Well Sampling Information (complete if well is sampled)

Decon Method: _____
Water Level Start: _____
Sampling Method: _____
Filter Type: _____

Sample Number: MW-28D @ 1400
Water Level Finish: _____
Field comments: _____

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Well Number: MW-285	**Project Name:**	
Project Number:	Date: 11/27	Weather:
Development / Purge Method:	Well Screen Interval: 7 to 12	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1441	1450	1455	1500	1505	1510		
Water Level (ft)								
pH	6.40	6.52	6.50	6.49	6.49	6.49		
Conductivity (mS/cm)	0.518	0.515	0.517	0.522	0.521	0.525		
Temperature (F)	15.56	14.88	15.06	15.27	15.28	15.24		
ORP (mV)	75	106	117	122	128	131		
Turbidity (NTUs)	10.2	4.3	2.1	2.0	2.0	2.0		
Dissolved Oxygen (mg/L,%)	6.11	1.81	1.68	1.42	1.25	1.31		
Color	clr	clr	clr	clr	clr	clr		
Purge Volume	0.5	1.0	1.5	2.0	2.5	3.0		

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-285 @ 1500

Water Level Finish: _____

Field comments: _____

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MW-29D

Well Number:	Project Name:	
Project Number:	Date: 11/28	Weather:
Development / Purge Method:	Well Screen Interval: 17 to 22	Tidally Influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	925	930	935	940	945			
Water Level (ft)								
pH	6.43	6.46	6.44	6.44	6.42			
Conductivity (mS/cm)	0.267	0.262	0.26	0.2[illegible]	0.259			
Temperature (F)	13.46	13.42	13.43	13.45	13.43			
ORP (mV)	13	9	8	6	4			
Turbidity (NTUs)	31.2	30.7	24.8	23.3	15.0			
Dissolved Oxygen (mg/L %)	Ø	Ø	Ø	Ø	Ø			
Color TDS g/L		0.170	0.169	0.169	0.169			
Purge Volume	1	1.5	2.0	2.5	3.0			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-29D (2) 9:45

Water Level Finish: _____

Field comments: _____

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Well Number: MW-295	Project Name: BFC	
Project Number:	Date: 11/28	Weather: Cool, Partly Cloudy
Development / Purge Method:	Well Screen Interval: 7 to 12	Tidally Influenced? N
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	845	850	855	100	905			
Water Level (ft)								
pH	6.61	6.54	6.50	6.50	6.49			
Conductivity (mS/cm)	0.385	0.386	0.388	0.387	0.387			
Temperature (F)	13.66	13.80	13.95	13.88	13.89			
ORP (mV)	35	19	15	14	14			
Turbidity (NTUs)	147	68	36	33	27.7			
Dissolved Oxygen (mg/L,%)	7.80	3.30	1.02	0.73	0.56			
Color	clr	clr	clr	clr	clr			
Purge Volume	0.25	0.5	1.75	2.0	2.25			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-295 @ 915

Water Level Finish: _____

Field comments: _____

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Well Number: MW-30	Project Name: BFC	
Project Number: 01-0410-M	Date: 11/27/18	Weather:
Development / Purge Method:	Well Screen Interval: 20 to 25	Tidally Influenced? YES
Logged By: HC	Water Depth Start: 13.19	Field Comments:
Purge Water Disposal Method:	Water Depth Finish: 13.27	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1145	1150	1155	1200	1205	1210		
Water Level (ft)	13.19	13.23	13.23	13.25	13.26	13.27		
pH	6.51	6.53	6.56	6.57	6.58	6.58		
Conductivity (mS/cm)	0.586	0.587	0.580	0.575	0.570	0.579		
Temperature (F)	15.94	16.08	16.44	16.63	16.70	15.41		
ORP (mV)	63	45	42	39	37	33		
Turbidity (NTUs)	8.3	14.5	18.5	29.5	30.5	28.8		
Dissolved Oxygen (mg/L,%)	0.61	0.64	0.63	0.57	0.50	0.23		
Color	Clear	Clear	Clear	Clear	Clear	Clear		
Purge Volume	0	0.2	0.5	0.8	1.1	1.4		

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: MW-30 1210

Water Level Finish: 13.27

Field comments: _____

DUP 1215

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Well Number: IP-3	Project Name: BEC	
Project Number: 01-0410-M	Date: 11/28/18	Weather:
Development / Purge Method:	Well Screen Interval: 18 to 24	Tidally Influenced?
Logged By:	Water Depth Start: 12.45'	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1100	1105	1110	1115	1120			
Water Level (ft)	12.45	12.44	12.44	12.44	12.43			
pH	6.31	6.26	6.31	6.35	6.36			
Conductivity (mS/cm)	0.493	0.492	0.491	0.492	0.476			
Temperature (F)	14.03	14.45	14.48	14.45	14.41			
ORP (mV)	-166	-97	-79	-72	-68			
Turbidity (NTUs)	101	45.2	29.1	15.9	18.4			
Dissolved Oxygen (mg/L,%)	0.38	0.00	0.00	0.00	0.00			
Color	Clear	Clear	Clear	Clear	Clear			
Purge Volume	0	0.25	0.5	0.75	1.0			

Well Sampling Information (complete if well is sampled)

Decon Method:

Water Level Start:

Sampling Method:

Filter Type:

Sample Number: IP-3 1125

Water Level Finish: DUP-1 1135

Field comments:

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IP-4

Well Number:	**Project Name:**	
Project Number:	**Date:** 11/28	**Weather:**
Development / Purge Method:	**Well Screen Interval:** 8 to 16	**Tidally Influenced?**
Logged By:	**Water Depth Start:**	**Field Comments:**
Purge Water Disposal Method:	**Water Depth Finish:**	
Purge Water Disposal Volume:	**Bails Dry?** Yes No **What Volume?**	**Well Conditions:** OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

6 x .7 = 4.2
x 3 = 12

Time	1200	1205	1210	1215	1220			
Water Level (ft)	6.46	6.55	6.61	6.64	6.66			
pH								
Conductivity (mS/cm)	0.720	0.721	0.719	0.720	0.722			
Temperature (F)	14.71	14.84	14.81	14.83	14.87			
ORP (mV)	-59	-72	-79	-83	-86			
Turbidity (NTUs)	56.1	66.8	64.4	61.7	53.7			
Dissolved Oxygen (mg/L,%)	0	0	0	0				
Color	0.461	0.461	0.460	0.461	0.722			
Purge Volume	1	1.5	2.0	2.5	3.0			

Well Sampling Information (complete if well is sampled)

Decon Method: _____

Water Level Start: _____

Sampling Method: _____

Filter Type: _____

Sample Number: IP-4 @ 1230

Water Level Finish: _____

Field comments: _____

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Well Number: IP-5	Project Name: BFC	
Project Number: 01-0410-M	Date: 11/28/16	Weather:
Development / Purge Method:	Well Screen Interval: 18 to 24	Tidally influenced?
Logged By:	Water Depth Start:	Field Comments:
Purge Water Disposal Method:	Water Depth Finish:	
Purge Water Disposal Volume:	Bails Dry? Yes No What Volume?	Well Conditions: OK Not OK
		Explain:

Well Development / Purging (circle one)

Casing Volume in Gallons: 1" Diam = 0.041 gal/ft, 2" Diam = 0.163 gal/ft, 4" Diam = 0.653 gal/ft
Purge Volumes: 1" Diam 0.041 * 3 casings * 10' screen = 1.23 gallons, 2" Diam 0.163 * 3 casings * 10' screen = 4.89 gallons

Time	1205	1210	1215	1220	1230			
Water Level (ft)	13.20	—	—	—	13.28			
pH	6.20	6.26	6.29	6.30	6.31			
Conductivity (mS/cm)	0.561	0.562	0.560	0.534	0.510			
Temperature (F)	12.78	13.29	13.43	13.49	13.51			
ORP (mV)	145	93	87	82	80			
Turbidity (NTUs)	38.9	7.9	5.9	7.1	6.8			
Dissolved Oxygen (mg/L,%)	[illegible]	0.00	0.00	0.00	0.00			
Color	clear	Clear	Clear	clear	clear.			
Purge Volume	0	0.3	0.6	0.9	1.2			

Well Sampling Information (complete if well is sampled)

Decon Method: _____ Sample Number: _____

Water Level Start: _____ Water Level Finish: _____

Sampling Method: _____ Field comments: _____

Filter Type: _____

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Well	TOC	TIME	TAG #	Notes:
AS-1	9.60	1230	BLC-452	Developed Clear @ 3 Gal
AS-2	15.03	1232	BLC-451	Clear From Start, Developed 5G Before starting Purge Log

AS-2 Purge Log

Temp	14.5 °C	14.5	14.5	14.5	14.7
DO	0.95 mg/L	0.98	0.29	0.24	0.21
Cond.	239 mS/cm	249	252.8	254.5	257.1
pH	6.68 pH	6.37	6.34	6.34	6.33
ORP	59.7 mV	33.7	26.8	20.6	18.5
Time	1250	1300	1310	1315	1320
	5gal	5.5	6.0	6.5	7.0

Sample	Time
AS-2	1315

AS-1 Purge Log

Temp	13.1	* NO FURTHER MEASUREMENTS *			
DO	0.40				
Cond	589	RECHARGED			
pH	6.49	SAMPLED			
ORP	71.1				
Time	1400	1410	1415	1420	1430
	3 gal				

SAMPLE	TIME
AS-1	1415

*Pumped Dry @ 1409, 3.5 Gal, 16.1'
1419, Level @ 15.75'

AS-1
0.1632 gal/ft x 6' gal = 1 Gallon Casing Volume