3-8-12

Well ID	ft DTW(TOC)	ft TD(TOC)	ft DTP(TOC)	Time
DRW-1P	47.14	60.0	42.92	1246
DRW-2P	51.10	~~60.40~~	44.04	1225
DRW-3P	54.53	61.69	43.52	1234
DRW-4	43.72ft	61.20	—	1238
DRW-5P	45.09	61.27	—	1219
DRW-12	46.17	62.07	—	1136
DRW-13	45.38	62.89	—	1200
DRW-16	71.87	92.~~78~~ 87.65	—	1213
HCF-1	47.52	64.58	—	1207
HCF-5P	52.03	62.73	43.33	1243
HCF-7P	51.45	62.33	45.13	1229
HMW-36	20.69	23.75	—	1111
HMW-37	42.48	45.16	—	1115
HMW-38	47.55	63.73	—	1118
HMW-39	46.17	64.91	—	1105
HMW-40	24.68	40.47	—	1055
HMW-41	44.52	61.28	—	1058
HMW-43	44.90	65.50	—	1123
HMW-29	73.34	80.68	—	1015
HMW-32	72.99	92.17	—	1004
HMW-33	42.99	52.83	—	1047
HMW-11	46.01	65.72	—	1127
HMW-13	45.32	48.84	—	1141
HMW-34	74.52	92.67	—	1028
HMW-35	73.21	86.87	—	1021
✓ HMW-8	76.18ft	99.41	—	0944
HMW-59	75.09	87.67	—	1035

Date: 3-15-12 SWMU: 0154
Well ID: DRW-16 Personnel: B. Davis, R. Wu
Air Temp: 64°F
Weather: Clear - 0-5 mph breeze
Pump #: 000034 Water Qual. Meter: 000012
Drum: Comp. Water Level Ind.: 000018
Turbidity meter: 000011
Well TD: 92.65 DTW (bgs): 69.60 ft.
DTW (Toc): 71.92
Loc: 2.32
Well size: 4"

Sample Parameters

Temp: 19.95°C DO: 1.04 mg/L Turb: 609
Cond: 16.36 mS/cm pH: 7.49 NTU
TDS: 10.63 g/L ORP: -42.1

Sample Date: 3-15-12
Time: ~~1035~~ BTD 1115
ID: HLSF-0154-DRW-016-0312
HLSF-0154-DRW-116-0312

Date: 3-15-12 Well ID: DRW-16

Time	mL Vol	°C Temp	mS/cm Cond	g/L TDS	mg/L DO	pH	mV ORP	NTU Turb
1045	init	18.66	16.51	10.73	4.55	7.35	-37.3	684.0
1053	750	19.52	16.41	10.67	2.82	7.49	-37.1	704.0
1058	1500	19.57	16.39	10.65	1.98	7.53	-40.3	673.0
1103	2250	19.80	16.37	10.64	1.45	7.46	-40.6	629.0
1108	3000	19.95	16.36	10.63	1.04	7.49	-42.1	609.0

1115 - Sample
Note: water is V. murky - reddish-brown in color.

Setup: Pump set @ 78, Drawdown set @ 72.92, Cont. Set @ CFM 2 55,
Refill 15, Discharge 15, PSI 40, Start Purge 1037, 1st Water 1042
Finish 1130, Total time 0:53, Initial Drawdown 72.05, Final Drawdown 72.31

Date: 3-15-12 SWMU: 0154
Well ID: DRW-5 personnel: B. Davis
R. Wu

Air Temp: 68° F
Weather: Clear – 5-10 mph breeze

Pump #: 000034 Water Qual. Meter: 000012
Drum: Comp: Water Level Ind: 000018
Turbidity meter: 000011

Well TD: 61.27 ft DTW (bgs): 43.48 ft.
DTW (TOC): 45.12 ft.
LOC: 1.64 ft
Well size: 4"

Sample Parameters

Temp: 22.50°C DO: 0.35 mg/L Turb: 4.10 NTU
Cond: 11.95 mS/cm pH: 7.66
TDS: 7.771 g/L ORP: -72.0 mV

Sample Date: 3-15-12
Time: 1245
ID: HLSF-0154-DRW-005-0312

Date: 3-15-12 Well ID: DRW-05

Time	Vol mL	Temp °C	Cond mS/cm	TDS g/L	DO mg/L	pH	ORP mV	Turb. NTU
	init	21.78	11.70	7.607	1.88	7.62	-48.6	6.23
1225	750	22.15	11.80	7.669	0.94	7.58	-50.7	3.93
1230	1500	22.33	11.87	7.713	0.64	7.60	-56.8	4.21
1235	2250	22.55	11.91	7.743	0.45	7.61	-62.6	4.25
1240	3000	22.50	11.95	7.771	0.35	7.66	-72.0	4.10

1245: Sample

Set up: Pump set @ 49 ft. Drawdown set @ 46.12 ft. Cont. set @ 55 cm²
Refill 15 Discharge 15 PSI 30 Start Purge 1212 1st water 1215
Finish 1255 total time 0:43 Initial drawdown 45 lb final drawdown 46.02

Date: 3-15-12 SWMU: 0154
Well ID: DRW-13 personnel: B. Davis, R. [illegible]
Air Temp: 70°F
Weather: Cloudy - 5-10 mph breeze
Pump #: 000034 Water Qual. Meter: 000012
Drum: Comp Water Level Ind.: 000018
Turbidity Meter: 000011
Well TD: 62.89 DTW (bgs): 43.32
DTW (TOC): 45.32 ft.
LOC: 2.05 ft.
Well size: 4"

Sample Parameters

Temp: 23.08°C DO: 0.50 mg/L Turb: 1.04 NTU
Cond: 9.117 mS/cm pH: 7.25
TDS: 5.926 g/L ORP: -55.0 mV

Sample Date: 3-15-12
Time: 1410
ID: H4SF-0154-DRW-013-0312
H4SF-0154-FB-001-0312

Date: 3-15-12 Well ID: DRW-13

Time	mL Vol	°C Temp	mS/cm Cond	g/L TDS	mg/L DO	pH	mV ORP	NTU Turb.
1348	init	22.93	10.44	6.788	2.02	7.72	-56.3	2.97
1353	750	23.13	9.938	6.460	0.83	7.51	-52.7	1.85
1358	1500	23.29	9.463	6.151	0.65	7.43	-52.1	1.07
1403	2250	23.06	9.251	6.013	0.58	7.38	-54.0	1.14
1408	3000	23.08	9.117	5.926	0.50	7.25	-55.0	1.04

1410 - Sample

Setup: Pump set @ 49 ft. Drawdown set @ 46.37 Cont. set @ MN
Refill 20 Discharge 110 psi 35 Start Purge 1338 1st Water 1341
Finish 1420 Total time 0:42 Initial Drawdown 45.77 Final drawdown 46.35

Date: 3-14-12 SWMU: 0154
WellID: DRW-12 personnel: B. Davis
R. Wu

Air Temp: 73°F
Weather: clear - 0-5 mph breeze

Pump#: 000034 Water Qual. Meter: 000012
Drum: Comp. Water Level Ind.: 000018
Turbidity Meter: 000011

Well TD: 62.07 DTW (bgs): 45.65 ft.
DTW (TOC): 47.18
LOC: 1.53 ft.
Well Size: 4"

Sample Parameters

Temp: 23.04°C DO: 0.40 mg/L Turb: 36.1 NTU
Cond: 31.06 mS/cm pH: 7.24
TDS: 20.19 g/L ORP: -26.3

Sample Date: 3-14-12
Time: 1435
ID: HLSF-0154-~~HMW~~ DRW-12-0312

Date: DRW-12 Well ID:

Time	mL Vol	°C Temp	mS/cm Cond	g/L TDS	mg/L DO	pH	mV ORP	NTU Turb
1409	init	23.08	31.02	20.16	1.20	6.86	-109.5	65.3
1414	750	22.92	31.08	20.20	0.64	6.95	-129.3	45.7
1419	1500	22.78	31.07	20.20	0.48	7.00	-131.0	38.4
1424	2250	22.82	31.08	20.20	0.44	7.15	-125.5	37.7
1429	3000	23.04	31.06	20.19	0.40	7.24	-26.3	36.1

1435 - Sample

Note: Water v. cloudy - brownish-red in color.

Setup: Pump set @ 50 ft. Drawdown Set @ 48.18 ft. Cont. Set @ MW
Refill 30 Discharge 10 PSI 35 Start Purge 1359 1st water 1403
Finish 1445 Total Time 0:46 Initial Drawdown 47.36 Final Drawdown 47.89

Date: 3-20-12 SWMU: 154
Well ID: HCF-1 Personnel: B. Davis, A. Jennings

Air Temp: P: 45°F
Weather: P. Cloudy

Pump #: 000034 Water Qual. Meter: 000012
Drum: Comp. Water Level Ind: 000018
Turbidity Meter: 000011

Well TD: 64.58 ft. DTW (bgs): 45.11 ft.
DTW (Toc): 47.54 ft.
Loc: 2.43 ft.
Well size: 4"

Sample Parameters

Temp: 20.60 °C DO: 0.30 mg/L Turb: 1.06 NTU
Cond: 8.384 mS/cm pH: 7.54
TDS: 5.450 g/L ORP: -359.8 mV

Sample Date: 3-20-12
Time: 1135
ID: HLSF-0154-HCF-~~X~~-0312 BTD -001-
~~Field blank (Hoss)~~ BTD
~~HLSF-0154-FB-001-0312~~ BTD
HLSF-0154-RB-001-0312 - Equipment blank (1145)

Date: 3-20-12 Well ID: HCF-1

Time	mL Vol	°C Temp	mS/cm Cond	g/L TDS	mg/L DO	pH	mV ORP	NTU Turb
1115	init	18.60	8.999	5.849	0.84	7.76	-342.9	9.74
1119	750	19.74	8.584	5.580	0.46	7.66	-345.5	1.89
1123	1500	20.31	8.418	5.471	0.37	7.57	-355.4	2.40
1127	2250	20.56	8.381	5.448	0.33	7.55	-360.8	2.72
1130	3000	20.60	8.384	5.450	0.30	7.54	-359.8	1.06

1135 - Sample

Set up: Pump Set @ 52 ft., Drawdown set @ 48.54 ft Cont. Set @ MN
Refill 15, Discharge 15, PSI 30, Start Purge 1107, 1st Water 1110,
Finish 1145, Total time 0:38, Initial Drawdown 47.65, Final Drawdown 47.75

Date: 3-20-12 SWMU: 154
WellID: DRW-4 Personnel: B Davis, A. Jenness

Air Temp: 47°F
Weather: p. cloudy - 10-15 mph wind, 30mph gusts

Pump #: 000034 Water Quality meter: 000012
Drum: Comp. Water Level Ind.: 000018
Turbidity meter: 000011

Well TD: 61.20 ft. DTW (bgs): 42.25 ft
DTW(TOC): 43.67 ft.
LOC: 1.42 ft.
Well size: 4"

Sample Parameters

Temp: 21.09 °C DO: 0.42 mg/L Turb: 1.94 NTU
Cond: 15.92 mS/cm pH: 7.63
TDS: 10.35 g/L ORP: -164.8 mV

Sample Date: 3-20-12
Time: 1310
ID: HLSF-0154-DRW-004-0312

Date: 3-20-12 Well ID: DRW-4

Time	Vol mL Init	Temp °C	Cond mS/cm	TDS g/L	DO mg/L	pH	ORP mV	Turb NTU
1251		20.64	15.67	10.18	2.23	8.07	-191.8	112.9
1254	750	20.83	16.31	10.60	0.78	7.88	-165.1	3.17
1258	1500	20.92	16.30	10.60	0.58	7.66	-273.3	2.18
1302	2250	21.04	16.19	10.52	0.48	7.66	-200.1	2.12
1306	3000	21.09	15.92	10.35	0.42	7.63	-164.8	1.94
1310 - Sample								

Setup: Pump Set @ 48 ft. Drawdown Set @ 44.67 ft. Cont. Set @ MN
Refill 15, Discharge 15, PSI 30, Start Purge 1243 (5 Gal water 1246)
Finish 1320, Total time 0:37, Initial Drawdown 43.75, Final Drawdown 43.83