Date: 8-27-12 Bradley Davis

Well ID	DTW (TOC) ft	TD (TOC) ft	DTP (TOC)	Time
DRW-1p	47.88	60.00	43.18	1056
DRW-2p	51.58	60.40	44.58	1038
DRW-3p	54.48	61.69	44.06	1048
DRW-4	43.90	61.20	—	1046
DRW-5	46.23	61.27	—	1017
DRW-12	47.31	62.08	—	1008
DRW-13	46.52	62.89	—	1013
DRW-16	72.90	92.64	—	1022
HCF-1	47.73	64.58	—	1033
HCF-5p	54.21	62.73	43.63	1052
HCF-7p	51.54	62.33	45.56	1042
HMW-36	21.44	23.75	—	0949
HMW-37	42.35	45.17	—	roots 0953
HMW-38	47.72	63.73	—	0957
HMW-39	47.30	64.92	—	0930
HMW-40	29.20	40.47	—	0934
HMW-41	45.67	61.28	—	0937
HMW-43	45.78	65.51	—	0940
HMW-29	73.91	80.69	—	0859
HMW-32	73.87	92.17	—	0850
HMW-33	44.05	52.83	—	0920
HMW-11	47.21	65.72	—	0943
HMW-13	46.56	48.84	—	1005
HMW-24	75.46	92.62	—	0909
HMW-35	79.10	86.90	—	0904
HMW-8	76.24	99.43	—	0840
HMW-59	75.18	87.60	—	0915

Date: 9-5-12 SWMU: 0154
WellID: DRW-16 Personnel: Brad Davis

Air Temp: 81°F
Weather: Clear - no breeze

Pump# 11287 Water Qual. Meter: #12
Drum: ~~6~~ 15 gal Comp. BD Water Level Ind.: #94
Turbidity Meter: #11

Well TD: 92.64 ft. Well Size: 4"
DTW(TOC): 71.61 ft. DTW(bgs): 69.29 ft.
LOC: 2.32 ft.

Sample Parameters

Temp: 25.22°C pH: 7.56
Cond.: 10.53 mS/cm ORP: -70.9 mV
TDS: 10.74 g/L Turbidity: 455 NTU
DO: 1.50 mg/L

Sample Date: 9-5-12
" Time: 1035
" ID: HLSF-0154-DRW-016-0912

Date: 9-5-12 Well ID: DRW-16

ft (TOC) DTW	time	mL Vol	°C Temp	mS/cm Cond.	g/L TDS	mg/L DO	pH	mV ORP	NTU Turbid.
72.04	~~0951~~ BD	init	27.10	0.014	0.009	6.17	7.87	-68.0	498
72.27	1011	700	23.04	16.54	10.75	2.41	7.69	-73.1	620
72.25	1017	1050	23.71	16.52	10.74	2.09	7.75	-74.3	561
72.36	1022	1400	24.77	16.52	10.74	1.82	7.64	-73.0	533
72.31	1027	1750	25.00	16.53	10.75	1.54	7.58	-72.0	478
72.43	1032	2200	25.22	16.53	10.74	1.50	7.56	-70.9	455

1035 - Sample

Note: Water v. murky - reddish-brown -

Setup: Pump Set @ 78 ft drawdown Set @ 72.61 ft Cont. Set @ MN
Refill 15 discharge 15 PSI 40 Start Purge 0957 1st water 1003
Finish 1100 total time 1:03 initial drawdown 72.04 ft final drawdown 72.59

Date: 9-5-12 SWMU: 0154
Well ID: DRW-12 Personnel: Brad Davis

Air Temp: 88°F
Weather: Clear - no breeze

Pump #: 11287 Water Qual. meter: #12
Drum: 15gal Water Level Ind.: #94
Comp. Turbidity meter: #11

Well TD: 62.08 ft. Well size: 4"
DTW (TOC): 46.37 ft. DTW (bgs): 44.84 ft.
LOC: 1.53 ft.

Sample Parameters

Temp: 25.94°C pH: 7.46
Cond.: 31.26 mS/cm ORP: -55.5 mV
TDS: 20.32 g/L Turbidity: 61.0 NTU
DO: 0.39 mg/L

Sample Date: 9-5-12
" Time: 1208
" ID: HLSF-0154-DRW-012-0912
Field duplicate: HLSF-0154-DRW-112-0912

Date: 9-5-12 Well ID: DRW-12

ft (TOC) DTW	time	mL Vol	°C temp.	mS/cm Cond.	g/L TDS	mg/L DO	pH	mV ORP	NTU Turbid.
46.64	1144	init	26.07	31.42	20.42	1.54	7.29	-43.4	67.1
46.71	1149	650	25.20	31.26	20.32	0.46	7.59	-54.0	61.7
46.80	1154	1250	25.82	31.23	20.30	0.41	7.53	-55.8	64.2
46.83	1159	1750	25.83	31.27	20.32	0.40	7.51	-55.7	63.8
46.87	1204	2350	25.94	31.26	20.32	0.39	7.46	-55.5	61.0

1208 - Sample

Notes: - Water reddish-brown
Setup: Pump set @ 50ft, drawdown to 47.37, Cont. set @ MW
Refill 20 discharge 10 PSI 35, Start Purge 1129 1st water 1133
Finish 1235 total time 1:06, initial drawdown 46.64, final drawdown 47.31 ft

Date: 9-5-12 SWMU: 0154
Well ID: DRW-13 Personnel: Brad Davis
Air Temp: 96°F
Weather: Pcloudy + no breeze
Pump#: 11287 Water Qual. Meter: #12
Drum: 15gal Comp. Water Level Indr.: #94
Turbidity Meter: #11
Well TD: 62.89ft. Well Size: 4"
DTW(TOC): 45.35ft. DTW(bgs): 43.30ft
LOC: 2.05ft.

Sample Parameters
Temp: 26.22°C pH: 7.57
Cond: 13.03 ms/cm ORP: -59.1 mV
TDS: 8.469 g/L Turbidity: 3.10 NTU
DO: 0.36 mg/L

Sample Date: 9-5-12
" Time: 1345
" ID: HLSF-0154-DRW-013-0912
Field Blank: HLSF-0154-FB-001-0912

Date: 9-5-12 Well ID: DRW-13

ft (TOC) DTW	time	mL Vol	°C temp.	mS/cm Cond.	g/L TDS	mg/L DO	pH	mV ORP	NTU Turbidity
45.61	1317	init.	31.05	0.124	0.080	5.71	6.94	-35.2	14.5
45.66	1322	450	26.05	13.07	8.497	0.74	7.64	-53.4	12.3
45.72	1327	1050	26.16	13.10	8.514	0.52	7.53	-58.2	9.82
45.79	1332	1800	26.19	13.01	8.456	0.38	7.63	-60.1	4.23
45.82	1337	2550	26.22	13.03	8.469	0.36	7.57	-59.1	3.10
	~~1342~~	BTD							

1345 - Sample

Setup: pump set @ 49ft, drawdown set @ 46.35 Cont. set @ MN
Refill 20 discharge 10, PSI 35 Start purge 1310 first wat. 1314
Finish 1357, total time 0:47, initial drawdown 45.61, final drawdown 45.95

Date: 9-6-12 SWMU: 0154
Well ID: HCF-1 Personnel: Brad Davis

Air Temp: 85°F
Weather: Clear

Pump#: 11287 Water Qual. meter: #12
Drum: 15 gal Water Level Indi.: #94
Comp. Turbidity Meter: #11

Well TD: 64.58 ft Well Size: 4"
DTW (Toc): 47.35 DTW (bgs): 44.92 ft.
Loc: 2.43 ft.

Sample Parameters
Temp.: 25.28°C pH: 7.33
Cond.: 8,712 mS/cm ORP: -168.0 mV
TDS: 5.663 g/L Turbidity: 0.75 NTU
DO: 0.33 mg/L

Sample Date: 9-6-12
" Time: 1022
" ID: HLSF-0154-HCF-001-0912
1100-Equipment Blank: HLSF-0154-RB-001-0912

Date: 9-6-12 Well ID: HCF-1

ft (Toc) DTW	time	mL Vol	°C temp.	mS/cm Cond.	g/L TDS	mg/L DO	pH	mV ORP	NTU Turbidity
47.75	0959	init	27.69	8.247	5.361	5.15	8.11	-116.8	1.01
47.88	1004	500	25.04	8.703	5.657	0.58	7.42	-160.1	0.70
48.00	1009	1000	25.27	8.665	5.632	0.61	7.41	-159.9	0.69
48.10	1014	1500	25.35	8.715	5.665	0.52	7.35	-164.4	0.74
48.19	1019	2000	25.28	8.712	5.663	0.33	7.33	-168.0	0.75

1022-Sample

Setup: Pump Set @ 52 ft, drawdown set @ 48-35 ft, Cont. set @ MN,
refill 15, discharge 10, PSI 30, Start Purge 0950, 1st water 0955
Finish 1040, total time 0:50, initial drawdown 47.75, final drawdown 48.61 ft

Date: 9-6-12 Sunny: 0154
Well ID: DRW-5 Personnel: Brad Davis

Air Temp.: 89°F
Weather: Clear

Pump #: 11287 Water Qual meter: #12
Drum: # 15 gal Water Level Ind.: #94
Comp. Turbidity meter: #11

Well TD: 61.27 ft Well Size: 4"
DTW (toc): 45.08 ft DTW (bgs): 43.44 ft.
LOC: 1.64 ft.

Sample Parameters
Temp: 26.09 °C pH: 7.45
Cond: 11.39 ms/cm ORP: -61.7 mV
TDS: 7.402 g/L Turbidity: 0.71 NTU
DO: 0.45 mg/L

Sample Date: 9-6-12
" Time: 1210
" ID: HLSF-0154-DRW-005-0912

Date: 9-6-12 Well ID: DRW-5

DTW (ft toc)	time	Vol (mL)	temp (°C)	Cond. (mS/cm)	TDS (g/L)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
45.49	1142	init	25.88	11.51	7.484	3.40	7.17	-52.7	5.33
45.62	1147	500	24.96	11.38	7.397	0.94	7.52	-61.4	0.96
45.75	1152	1200	24.63	11.39	7.403	0.69	7.60	-64.8	0.75
45.83	1157	1700	25.37	11.36	7.385	0.51	7.55	-64.8	0.67
45.91	1202	2100	25.92	11.39	7.402	0.48	7.49	-62.6	0.72
45.96	1207	2500	26.09	11.39	7.402	0.45	7.45	-61.7	0.71

1210- Sample

Setup: pump set @ 49 ft, drawdown set @ 46.08 ft. Cont. set @ MN
Refill 15 discharge 15 PSI 30 Start purge 1137 1st water 1139
Finish 1235, total time 0:58, initial drawdown 45.49, final drawdown 46.25

Date: 9-6-12 SWMU: 0154
Well ID: DRW-4 Personnel: Brad Davis

Air Temp: 93°F
Weather: Clear

Pump #: 11287 Water Qual. Meter: #12
Drum: 15gal Comp. Water Level Ind.: #94
Turbidity Meter: #11

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

Sample Parameters
Temp: 27.95°C pH: 7.19
Cond.: 10.82 mS/cm ORP: -55.9 mV
TDS: 7.031 g/L Turbidity: 0.73 NTU
DO: 0.37 mg/L

Sample Date: 9-6-12
" Time: 1354
" ID: HLSF-0154-DRW-004-0912

Date: 9-6-12 Well ID: DRW-4

ft (TOC) DTW	time	mL Vol	°C temp.	mS/cm Cond.	g/L TDS	DO	pH	ORP	Turbid.
43.92	1327	init.	32.01	0.053	0.034	2.96	7.39	-47.8	2.56
43.95	1331	500	29.23	11.66	7.578	1.52	6.92	-48.9	1.30
43.96	1336	1100	28.23	11.04	7.176	0.66	7.24	-53.5	0.95
43.97	1341	1700	27.97	10.95	7.117	0.53	7.29	-55.4	0.76
43.98	1346	2300	27.81	10.88	7.072	0.41	7.27	-55.9	0.75
43.99	1351	2900	27.95	10.82	7.031	0.37	7.19	-55.9	0.73

1354 - Sample

Setup: Pump set @ 48 ft. drawdown set @ 44.67 ft. Cont. set @ MN
Refill 15 discharge 15' PSI 30, Start Purge 1316 1st water 1320
Finish 1408, total time 0:48, initial drawdown 43.92, final drawdown 43.99'