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: 8-29-12 SWMU: 0143
Well ID: HMW-11 Personnel: Brad Davis
Air Temp.: 85°F
Weather: Clear - no breeze
Pump#: 11287 Water Qual. Meter: #12
Drum: 6 gal Water Level Ind.: #18
Comp. Turbidity meter: #11
Well TD: 65.72 ft. Well size: 2"
DTW (TOC): 46.78 ft. DTW (bgs): 45.43 ft.
LOC: 1.35 ft.

Sample Parameters
Temp.: 25.86°C pH: 7.39
Cond.: 17.20 mS/cm ORP: -76.3 mV
TDS: 11.18 g/L Turbid.: 2.57 NTU
DO: 4.20 mg/L

Sample Date: 8-29-12
" Time: 1120
" ID: HL5F-0143-HMW-011-0812

Date: 8-29-12 Well ID: HMW-11

(TOC) DTW	time	mL vol	°C Temp.	mS/cm Cond.	g/L TDS	mg/L DO	pH	mV ORP	NTU Turbid.
47.05	1049	init.	25.26	17.84	11.60	4.56	7.43	-75.3	4.24
47.31	1054	700	24.43	18.12	11.79	3.45	7.45	-76.3	1.23
47.36	1059	1400	24.58	17.89	11.63	3.29	7.42	-76.8	2.16
47.41	1105	2000	~~25.43~~ 25.48 80	17.70	11.51	3.05	7.41	-76.7	2.38
47.43	1110	2500	25.79	17.58	11.43	2.89	~~7.39~~ 7.39 BD	-76.3	3.41
47.44	1115	3000	25.86	17.20	11.18	4.20	~~7.43~~ 7.39 BD	-76.3	2.57

1120 - Sample

Setup: pump set @ 55 ft. drawdown set @ 47.78 Cont. set @ MN
Refill 15 discharge 15 PSI 35 Start Purge 1040 1st water 1045
Finish 1135, total time 0:55, initial drawdown 47.05, final drawdown 47.46

Date: 8-29-12 SWMU: 0143
Well ID: HMW-43 personnel: Brad Davis

Air Temp: 89° F
Weather: Clear

Pump #: 11287 Water Qual. meter: #12
Drum: 6gal Water Level Ind.: #18
Comp. Turbidity meter: #11

Well TD: 65.51 ft. Well size: 4"
DTW (TOC): ~~2.43 ft~~ 3D 45.50 DTW (bgs): 43.07 ft.
LOC: 2.43 ft.

Sample Parameters

Temp: 24.70°C pH: 7.45
cond: 6.543 ms/cm ORP: -73.9 mV
TDS: 4.253 g/L Turbid.: 0.02 NTU
DO: 3.46 mg/L

Sample Date: 8-29-12
" Time: 1245
" ID: HLSF-0143-HMW-043-0812
field duplicate: HLSF-0143-HMW-143-0812

Date: 8-29-12 Well ID: HMW-43

(TOC) DTW	time	vol mL init	Temp °C	Cond. mS/cm	TDS g/L	DO mg/L	pH	ORP mV	Turbid. NTU
45.56	1216		25.94	6.767	4.398	4.24	7.25	-71.2	0.76
45.55	1221	750	24.73	6.594	4.286	3.82	7.50	-73.8	0.16
45.56	1226	1,500	24.53	6.579	4.276	3.70	7.51	-74.3	0.09
45.56	1232	2250	24.62	6.549	4.257	3.31	7.45	-74.2	0.05
45.56	1237	3000	24.70	6.543	4.253	3.46	7.45	-73.9	0.02

1245 - Sample

Setup: Pump set @ 58 ft, drawdown seen @ 46.50 Cont. Set @ MW
Refill 15, discharge 15 PSI 35 Start Purge 1205 1st water 1211
Finish 1250, total time 0:45, initial drawdown 45.56, final drawdown 45.56

Date: 8-29-12 SWMU: 0143
Well ID: HMW-41 Personnel: Brad Davis

Air Temp.: 940F
Weather: Clear - no breeze

Pump#: U287 Water Level meter: #12
Drum: 6 gal Water Level Ind.: #18
Comp. Turbidity meter: #11

Well TD: 61.28 ft. Well size: 4"
DTW (TOC): 45.38 ft. DTW (bgs): 43.06 ft.
LOC: 2.32 ft.

Sample Parameters

Temp.: 23.71 °C pH: 7.63
Cond.: 18.62 mS/cm ORP: -73.2 mV
TDS: 12.10 g/L Turbidity: 0.00 NTU
DO: 4.20 mg/L

Sample Date: 8-29-12
" Time: 1420
" ID: HLSF-0143-HMW-041-0812

Date: 8-29-12 Well ID: HMW-41

(TOC) DTW	time	mL Vol	°C Temp.	mS/cm Cond.	g/L TDS	mg/L DO	pH	mV ORP	NTU Turbid.
45.88	1353	init	24.18	18.63	12.11	5.96	7.24	-70.5	0.55
45.97	1358	600	23.64	18.62	12.10	4.54	7.81	-73.1	0.24
46.08	1403	1200	23.75	18.65	12.12	4.20	7.61	-73.5	0.09
46.12	1408	1800	23.72	18.67	12.14	4.14	7.63	-72.9	0.00
46.16	1413	2400	23.71	18.62	12.10	4.20	7.63	-73.2	0.00

1420 - Sample

Setup: pump set @ 54 ft, drawdown set @ 46.38 Cont. set @ MN
refill 15, discharge 15, PSI 40 35 Start purge 1346, 1st water 1350,
Finish 1420, total time 0:33, initial drawdown 45.88, final drawdown 46.22

Date: 8-30-12 SWMU: 0143
Well ID: HMW-40 personnel: Brad Davis

Air Temp: 75°F
Weather: Clear

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

Well TD: 40.47 ft.
DTW (TOC): 23.96 ft. Well Size: 4"
LOC: 2.28 ft. DTW (bgs): 21.68 ft.

Sample Parameters
Temp: 21.99°C pH: 7.65
Cond: 15.20 ms/cm ORP: -86.1 mV
TDS: 9.887 g/L Turbidity: 0.10 NTU
DO: 2.14 mg/L

Sample Date: 8-30-12
" Time: 1005
" ID: HLSF-0143-HMW-040-0912

Date: 8-30-12 Well ID: HMW-40

(TOC) DTW	time	mL Vol	°C Temp.	ms/cm Cond.	g/L TDS	mg/L DO	pH	mV ORP	NTU Turbid.
24.59	0937	Init.	21.65	14.94	9.714	4.52	7.66	-86.2	0.52
24.78	0942	750	21.48	15.21	9.887	2.70	7.66	-86.3	0.32
24.91	0947	1250	21.66	15.20	9.877	2.33	7.65	-86.0	0.43
25.02	0952	1750	21.97	15.21	9.887	2.13	7.65	-86.1	0.19
25.06	0957	2250	21.99	15.20	9.887	2.14	7.65	-86.1	0.10

1005- Sample

Pump set @ 33 ft., drawdown set @ 24.96, Cont. Set @ MN
refill 20 discharge 10 PSI ~~40~~ 25 Start purge 0931 1st water 0933
Finish 1020, total time 0:49, initial drawdown 24.59, final drawdown 25.15

Date: 8-30-12 SWMU: 0143
Well ID: HMW-39 personnel: Brad Davis

Air Temp: 83°F
Weather: Clear - no breeze

pump#: 11287 Water Qual. meter: #12
Drum: 6 gal Water Level Ind.: #94
Comp. Turbidity meter: #11

Well T.D: 64.92 ft. Well Size: 4"
DTW(TOC): 46.22 ft. DTW (bgs): 43.57 ft
LOC: 2.65 ft.

Sample Parameters

Temp: 23.29°C pH: 7.66
Cond: 14.59 ms/cm ORP: -85.8 mV
TDS: 9,486 g/L Turbidity: 0.03 NTU
DO: 3.84 mg/L

Sample Date: 8-30-12
" Time: 1120
" ID: HLSF-0143-HMW-039-0812
HLSF-0143-HMW-039-ms/msd

Date: 8-30-12 Well ID: HMW-39

(TOC) DTW	time	Vol mL init.	Temp °C	Cond. ms/cm	TDS g/L	DO mg/L	pH	ORP mV	Turbid. NTU
46.35	1054		23.29	14.68	9.539	4.73	7.72	-85.7	0.29
46.37	1059	600	23.24	14.62	9.502	4.15	7.72	-86.1	0.39
46.39	1105	1300	23.29	14.59	9.484	3.98	7.67	-85.7	0.07
46.41	1110	2000	23.26	14.60	9.487	3.78	7.65	-85.9	0.06
46.43	1115	2700	23.29	14.59	9.486	3.84	7.66	-85.8	0.03
	1120 - Sample								

Setup: Pump set @ 57 ft. drawdown set @ 47.22 ft. Cont. set @ MW
Refill 15' discharge 15' psi 35 Start purge 1047 1st water 1050
Finish 1145, total time 0:58, initial drawdown 46.35, final drawdown 46.51

Date: 8-30-12 SWMU: 0143
Well ID: HMW-37 personnel: Bad Davis

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

Pump#: 11287 Water Quad. Meter: #12
Drum: 6 gal Water Level Ind.: #94
Comp. Turbidity meter: #11

Well TD: 45.17 Well Size: 4"
DTW (Toc): 41.28 ft DTW (bgs): 38.78 ft.
Loc: 2.50 ft.

Sample Parameters
Temp: 25.32°C pH: 7.57
Cond.: 4.510 mS/cm ORP: -82.6 mV
TDS: 2.931 g/L Turbidity: 0.04 NTU
DO: 3.53 mg/L

Sample Date: 8-30-12
" Time: 1300
" ID: HCSF-0143-HMW-037-0812

Date: 8-30-12 Well ID: HMW-37

(Toc) DTW	time	mL Vol	°C temp.	mS/cm Cond.	g/L TDS	mg/L DO	pH	mV ORP	NTU Turbid.
41.31	1236	Init	25.66	4.922	3.199	4.24	7.28	-82.4	0.14
41.32	1241	500	25.38	4.663	3.031	3.52	7.51	-83.5	0.11
41.31	1246	1000	25.23	4.577	2.975	3.51	7.58	-83.0	0.09
41.31	1251	1500	25.24	4.516	2.936	3.52	7.49	-83.0	0.04
41.31	1256	2000	25.32	4.510	2.931	~~2.40~~ 3.53 BD	7.57	-82.6	0.04

1300 - Sample

Setup: Pump Set @ 44 ft, drawdown set @ 42.28 ft, Cont. set @ MN,
refill 15 discharge 15 PSI 25, Start purge 1224 1st water 1227
Finish 1:15, total time 0:51, initial drawdown 41.31, final drawdown 41.32 ft

Date: 8-30-12 SWMU: 0143
Well ID: HMW-38 Personnel: Brad Davis

Air Temp: 96°F
Weather: Clear - no breeze

Pump #: 11287 Water Qual. meter: #22
Drum: 6 gal Comp. Water Level Indic: #94
Turbidity meter: #11

Well TD: 63.73 ft. Well Size: 4"
DTW(TOC): ~~2.38 ft.~~ BTD 46.52 ft. DTW(bgs): 44.14 ft.
LOC: 2.38 ft.

Sample Parameters
Temp: 23.85°C pH: 7.60
Cond: 11.57 mS/cm ORP: -78.9 mV
TDS: 7.520 g/L Turbidity: 0.10 NTU
DO: 1.4

Sample Date: 8-30-12
" Time: 1405
" ID: HLSF-0143-HMW-038-0812

Date: 8-30-12 Well ID: HMW-38

(toc) DTW	time	mL vol	°C Temp.	mS/cm Cond.	g/L TDS	mg/L DO	pH	mV ORP	NTU Turbid.
46.70	1343	init.	25.04	11.55	7.507	4.81	7.21	-80.1	0.34
46.70	1348	750	23.41	11.62	7.555	2.94	7.68	-81.2	0.19
46.74	1353	1500	23.38	11.54	7.534	1.99	7.56	-79.2	0.11
46.75	1358	2250	23.60	11.58	7.525	1.64	7.66	-79.0	0.14
46.75	1403	3000	23.85	11.57	7.520	1.46	7.60	-78.9	0.10

1405 - Sample

Setup: Pump set @ 56 ft. drawdown set @ 47.52 ft. Cont. Set @ MW
Refill 15 discharge 15 psi 40 Start Page 1336 1st water 1341
Finish 1420 total time 0:44 initial drawdown 46.70 final drawdown 46.75