HELSTF LTM GROUNDWATER

DRW-1
DRW-2
DRW-3
DRW-4
DRW-5
DRW-12 - QC
DRW-13
DRW-16 MS/MSD
HCF-1
HCF-5
HCF-7
HMW-11
HMW-13
HMW-36
HMW-37
HMW-38
HMW-39
HMW-40 - QC
HMW-41
HMW-43 - MS/MSD
HMW-29
HMW-32
HMW-34
HMW-33 - QC
HMW-35

8-16-11

WELL ID	DTW (TOC)	TD (TOC)	DTP (TOC)	TIME
DRW-1	45.72	60.00	47.37	1335
DRW-2	50.60	60.40	43.80	1330
DRW-3	54.65	61.69	43.15	1502
DRW-4	43.15	61.10	—	1319
DRW-5	44.72	61.30	SHEEN	1301
DRW-12	45.80	62.20	—	1259
DRW-13	44.90	63.20	—	1244
DRW-16	71.85	92.78	—	1249
HCF-1	47.05	64.60	—	1254
HCF-5	46.69	62.73	42.70	1336
HCF-7	51.25	62.35	45.05	1326
HMW-36	19.64	23.90	—	1106
HMW-37	40.20	45.30	—	1107
HMW-38	46.07	63.90	—	1108
HMW-39	45.71	65.02	—	1234
HMW-40	25.00	40.72	—	1058
HMW-41	44.11	61.47	—	1056
HMW-43	43.92	65.65	—	1223
HMW-29	73.26	80.80	—	1037
HMW-32	73.02	92.41	—	1045
HMW-33	42.89	53.07	—	1048
HMW-11	45.51	65.90	—	1226
HMW-13	44.43	49.05	—	1242
HMW-34	74.62	92.70	—	1022
HMW-35	73.15	87.00	—	1034

DATE: 8-30-11 PERSONNEL: G-GARCIA
WELL ID: DRW-16 A-MARTINEZ

AIR TEMP: 102 °F REL. HUM: 25 %
WEATHER COND: Clear 0-5 MPH

PUMP#: 000034 COMP WATER QUALITY METER YSI#: 000079
DRUM: WATER LEVEL IND #: 000095
GEN HRS: TURBIDITY METER #: 000078

WELL TD: 90.00 DTGW (bgs): 69.53
DTW (TOC): 71.85 WATER COL: 20.47
LOC: 2.32 COL. VOL: 13.36
WELL SIZE: 4"

SAMPLE PARAMETERS (@ TIME OF COLLECTION)
TEMP: 23.77 °C DO: 2.38 mg/L TURB: 546 NTU.
COND: 16.95 mS/cm PH: 7.08
TDS: 11.02 g/L ORP: -4.9 mV

SAMPLE DATE: 8-30-11
" TIME: 1323
" ID#: HISF-0154 DRW-016-0811

DATE: 8-30-11 WELL ID: DRW-16 PERSONNEL: G-GARCIA, A. MARTINEZ

TIME	VOL	TEMP	COND	TDS	DO	PH	ORP	TURB
1255	INIT	25.40	17.08	11.10	5.31	7.20	-1.7	1040
1300	750	24.02	17.00	11.05	2.86	7.06	-2.6	1679
1305	1500	23.67	17.01	11.06	2.46	7.07	-4.0	900
1310	2250	23.75	16.94	11.01	2.43	7.08	-4.5	608
1315	3000	23.96	16.92	11.00	2.29	7.08	-4.8	555
1320	3750	23.77	16.95	11.02	2.38	7.08	-4.9	546
	4500							
	5250							
1323	Sample							

NOTES: SET-UP, PUMP SET @ 78.27, DRAWDOWN SET @ 72.42, CONTROLLER SET @ 1056 CPM2
REFILL 15, DISCHARGE 15, PSI 40, START PURGE 1246, 1st WATER @ 1253
FINISH 1346, TOTAL 1100, INITIAL DRAWDOWN 71.42, FINAL 72.30

DATE: 8-31-11 PERSONNEL: G. GARCIA

WELL ID: DRW-5

AIR TEMP: 95 °F REL. HUM: 15 %

WEATHER COND: CLEAR 0-5 mph

PUMP #: 000033 WATER QUALITY METER 45ZH 000079

DRUM: CUMP 59AC WATER LEVEL IND #: 000095

GEN HRS: TURBIDITY METER #: 000078

WELL TD: 58.50 DTGW (DGS): 43.08

DTW (TOC) 44.72 WATER COL: 15.42

LOC: 1.64 COL. VOL: 10.06

WELL SIZE: 4"

SAMPLE PARAMETERS (@ TIME OF COLLECTION)

TEMP: 24.15 °C DO: 0.92 mg/L TURB: 1.28 NTU

COND: 12.95 mS/cm PH: 6.96

TDS: 8.415 g/L ORP: -68.1 mV

SAMPLE DATE: 8-31-11

" TIME: 1113

" ID #: HLSF-0154-DRW-005-0811

DATE: 8-31-11 WELL ID: DRW-5 PERSONNEL: G. GARCIA

TIME	VOL	TEMP	COND	TDS	DO	PH	ORP	TURB
1050	INIT	24.24	12.93	8.407	3.16	7.08	-59.1	2.38
1055	750	24.13	12.94	8.410	2.14	7.02	-64.1	1.52
1100	1500	24.02	12.94	8.410	1.64	6.99	-66.3	1.74
1105	2250	24.16	12.94	8.411	1.20	6.97	-67.4	1.27
1110	3000	24.15	12.95	8.415	0.92	6.96	-68.1	1.28
	3750							
	4500							
	5250							
1113 SAMPLE								

NOTES: SET-UP, PUMP SET @ 49.04, DRAWDOWN SET @ 45.50, CONTROLLER SET @ 30 SE CPM2

REFILL 15, DISCHARGE 15, PSI 30, START PURGE 1041, 1st WATER 1044

FINISH 1125, TOTAL ___, INITIAL DRAWDOWN 44.50, FINAL 45.18

DATE: 8-31-11 PERSONNEL: G GARCIA

WELL ID: DRW-13

AIR TEMP: 100 °F REL. HUM: 25 %

WEATHER COND: CLEAR 0-5

PUMP #: 000034 WATER QUALITY METER YSI #: 000079

DRUM: COMP 59AL WATER LEVEL IND #: 000095

GEN HRS: TURBIDITY METER #: 000078

WELL TD: 60.00 DTGW (bgs): 42.85

DTW (TOC) 44.90 WATER COL: 17.15

LOC: 2.05 COL. VOL: 11.19

WELL SIZE: 4

SAMPLE PARAMETERS (@ TIME OF COLLECTION)

TEMP: 28.65 °C DO: 0.95 mg/L TURB: 1.42 NTU

COND: 8.670 mS/cm PH: 7.06

TDS: 5.635 g/L ORP: -19.4 mV

SAMPLE DATE: 8-31-11

" TIME: 1225

" ID#: HSF-0154-DRW-013-0811

HSF-0154-DRW-113-0811

DATE: 8-31-11 WELL ID: DRW-13 PERSONNEL: G GARCIA

TIME	VOL	TEMP	COND	TDS	DO	PH	ORP	TURB
1202	INIT	28.54	8.328	5.413	3.11	7.33	-16.3	2.21
1207	750	28.80	8.574	5.573	1.26	7.15	-18.0	1.10
1212	1500	28.87	8.632	5.611	0.98	7.10	-18.5	1.16
1217	2250	28.97	8.678	5.640	1.04	7.08	-18.8	1.27
1222	3000	28.65	8.670	5.635	0.95	7.06	-19.4	1.42
	3750							
	4500							
	5250							

1225 SAMPLE

NOTES: SET-UP, PUMP SET @ 48.93, DRAWDOWN SET @ 45.75, CONTROLLER SET @ MN

REFILL 20, DISCHARGE 10, PSI 35, START PURGE 1154, 1ST WATER 1159

FINISH 1254, TOTAL ___, INITIAL DRAWDOWN 44.75, FINAL 45.20

DATE: 8-31-11 PERSONNEL: G. GARCIA

WELL ID: DRW-12

AIR TEMP: 101 °F REL. HUM: 25 %

WEATHER COND: PARTLY CLOUDY 0-5

PUMP #: 000033 WATER QUALITY METER YSI #: 000079

DRUM: COMP 59 AL WATER LEVEL IND #: 000095

GEN HRS: 1.00 TURBIDITY METER #: 000078

WELL TD: 60.00 DTGW (BGS): 44.27

DTW (TOC) 45.80 WATER COL: 15.73

LOC: 1.53 COL. VOL: 10.27

WELL SIZE: 4"

SAMPLE PARAMETERS (@ TIME OF COLLECTION)

TEMP: 27.30 °C DO: 0.71 mg/L TURB: 45.3 NTU

COND: 31.93 mS/cm PH: 7.00

TDS: 20.75 g/L ORP: -12.5 MV

SAMPLE DATE: 8-31-11

" TIME: 1350

" ID #: HLSF-0154-DRW-012-0841

DATE: 8-31-11 WELL ID: DRW-12 PERSONNEL: G. GARCIA

TIME	VOL	TEMP	COND	TDS	DO	PH	ORP	TURB
1327	INIT	27.91	32.06	20.84	4.71	7.10	-9.0	35.0
1332	750	27.25	31.78	20.66	1.30	7.00	-9.9	45.2
1337	1500	27.33	31.86	20.71	0.91	7.00	-11.6	44.8
1342	2250	27.35	31.82	20.68	0.78	7.00	-12.5	45.9
1347	3000	27.30	31.93	20.75	0.71	7.00	-12.5	45.3
	3750							
	4500							
	5250							

1350 SAMPLE

NOTES: SET-UP, PUMP SET @ 49.64, DRAWDOWN SET @ 46.65, CONTROLLER SET @ MW

REFILL 20, DISCHARGE 10, PSI 35, START PURGE 1320, 1ST WATER @ 1325

FINISH 1410, TOTAL 0.50, INITIAL DRAWDOWN 45.65, FINAL 46.30

DATE: 9-1-11 PERSONNEL: G GARCIA
WELL ID: DRW-4

AIR TEMP: 100 °F REL. HUM 20 %
WEATHER COND: CLEAR 0-5 MPH

PUMP #: 000035 WATER QUALITY METER VSI#000074
DRUM: COMP. 5 GAL WATER LEVEL IND#: 000095
GEN HRS: 1.00 TURBIDITY METER #: 000078

WELL TD: 61.20 DTGW (DGS) 41.73
DTW (TOC) 43.15 WATER COL: 19.47
LOC: 1.42 COL. VOL: 20.12
WELL SIZE: 4"

SAMPLE PARAMETERS (@ TIME OF COLLECTION)
TEMP: 24.68 °F DO 0.54 mg/L TURB: 1.21 NTU
COND: 9.987 mS/cm PH 6.80
TDS: 6.492 g/L ORP -36.8 mv

SAMPLE DATE: 9-1-11
" TIME: 1110
" ID #: HSF-0154-DRW-004-0911

DATE: 9-1-11 WELL ID: DRW-4 PERSONNEL: G. GARCIA

TIME	VOL	TEMP	COND	TDS	DO	PH	ORP	TURB
1040	INIT	25.15	10.30	6.693	3.67	7.08	-33.7	5.52
1045	750	24.73	10.17	6.611	1.97	6.85	-34.0	2.20
1050	1500	24.40	10.10	6.567	0.93	6.81	-35.2	1.41
1055	2250	24.66	10.01	6.507	0.71	6.80	-35.0	1.31
1100	3000	24.73	9.991	6.494	0.60	6.80	-33.7	1.21
1105	3750	24.68	9.987	6.492	0.54	6.80	-36.8	1.21
	4500							
	5250							
1110 SAMPLE								

NOTES: SET-UP, PUMP SET @ 48.37, DRAWDOWN SET @ 44.00, CONTROLLER SET @ 2056
REFILL 15, DISCHARGE 15, PSI 30, START PLATE 1035, 1ST WATER 1037,
FINISH 1122, TOTAL 8.47, INITIAL DRAWDOWN 43.00, FINAL 43.30

DATE: 9-1-11 PERSONNEL: G. GARCIA
WELL ID: HCF-1

AIR TEMP: 101 °F REL. HUM: 23 %
WEATHER COND: CLEAR 0-5

PUMP #: 000035 WATER QUALITY METER USI # 000079
DRUM: COMP 59AL WATER LEVEL IND #: 000095
GEN HRS: TURBIDITY METER #: 000028

WELL TD: 67.00 DTOW (DGS) 44.62
DTW (TOC) 47.05 WATER COL: 22.38
LOC: 2.43 COL. VOL: 14.61
WELL SIZE: 4"

SAMPLE PARAMETERS (@ TIME OF COLLECTION)
TEMP: 28.48 °C DO: 0.31 mg/L TURB: 1.10 NTU
COND: 8.158 mS/cm PH: 7.03
TDS: 5.303 g/L ORP: -338.2 mV

SAMPLE DATE: 9-1-11
" TIME: 1345
" ID #: HLSF-0154-HCF-001-0911
(1345) HLSF-0154-FB-001-0911
(1400) HLSF-0154-RB-002-0911

DATE: 9-1-11 WELL ID: HCF-1 PERSONNEL: G. GARCIA

TIME	VOL	TEMP	COND	TDS	DO	PH	ORP	TURB
1319	INIT	27.17	8.226	5.347	2.55	7.31	-305.5	1.66
1325	750	26.52	8.117	5.276	0.63	7.09	-324.8	1.00
1330	1500	27.92	8.145	5.295	0.55	7.07	-331.4	1.13
1335	2250	28.57	8.150	5.298	0.44	7.07	-331.6	1.12
1340	3000	28.48	8.158	5.303	0.31	7.03	-338.2	1.10
	4500							
	5250							

1345 SAMPLE.

NOTES- SET-UP, PUMP SET @ 52.31, DRAWDOWN SET @ 47.80 // CONTROLLER SET IDS CPAQ
REFILL 15, DISCHARGE 15, PSI 30, START PURGE 1315, 1st WATER 1317,
TOTAL 1350, INITIAL DRAWDOWN 40.80, FINAL 47.60