

HTW BCT Meeting

September 11, 2007 at 1:00 p.m.

Item	Action	Comment
OU1 Groundwater Remediation	Status Update	HGL
OU1 Groundwater Characterization	Status Update	Shaw
OU2 and 2/12 Treatment Systems	Status Update	
Other Groundwater Issues	Status Update	-Quarterly sampling -Marina Heights/University Villages -OU2 effluent issue
Groundwater Treatment System Optimization	Status Update	
OU2 Landfill Gas	Status Update	
Basewide Range Assessment	Status Update	
Site 39 Eco Risk Work	Status Update	
Site 39 Feasibility Study Addendum	Status Update	
Site 3 Post Remediation Monitoring	Status Update	
FFA Schedule	Status Update	
Five Year Review report	Status Update	
FOST/FOSL/FOSET Issues	Status Update	
Calendar Update	Update	

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Check (✓)	Name	Organization	Phone	E-mail address
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Thermal Treatment Unit
Operation Summary
2007

Date TTU Started	Date TTU Shutdown	Hours Operated
1/1/07 0:00	3/8/07 12:00	1561
3/29/07 8:30	3/29/07 12:30	4
4/7/07 7:30	5/4/07 16:00	656.5
5/21/07 8:00	6/18/07 8:00	672
7/9/07 14:00	7/13/07 15:00	97
8/9/07 7:30	8/10/07 11:00	27.5
8/20/07 7:30	8/31/07 16:00	272.5

Start Date/Time:	1/1/2007 0:00
Last Reading Date/Time:	8/31/2007 16:00
Total Hours (2007):	5824
Total Hours Operated (2007):	3290.5
% Operation:	56%

Pounds Methane Removed (2007)	307024
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*Landfill gas
hand-outs
9/11/07*

9-11-07

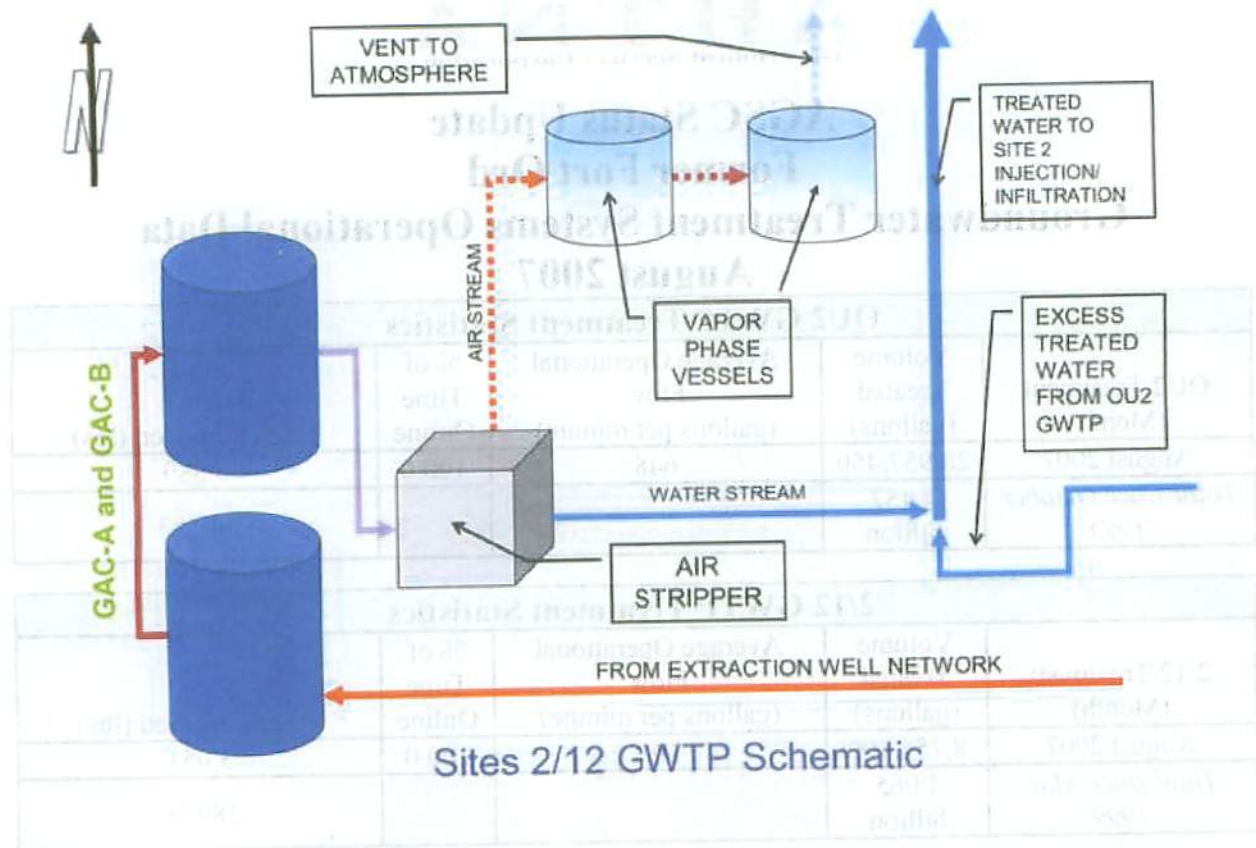


AGSC Status Update Former Fort Ord Groundwater Treatment Systems Operational Data August 2007

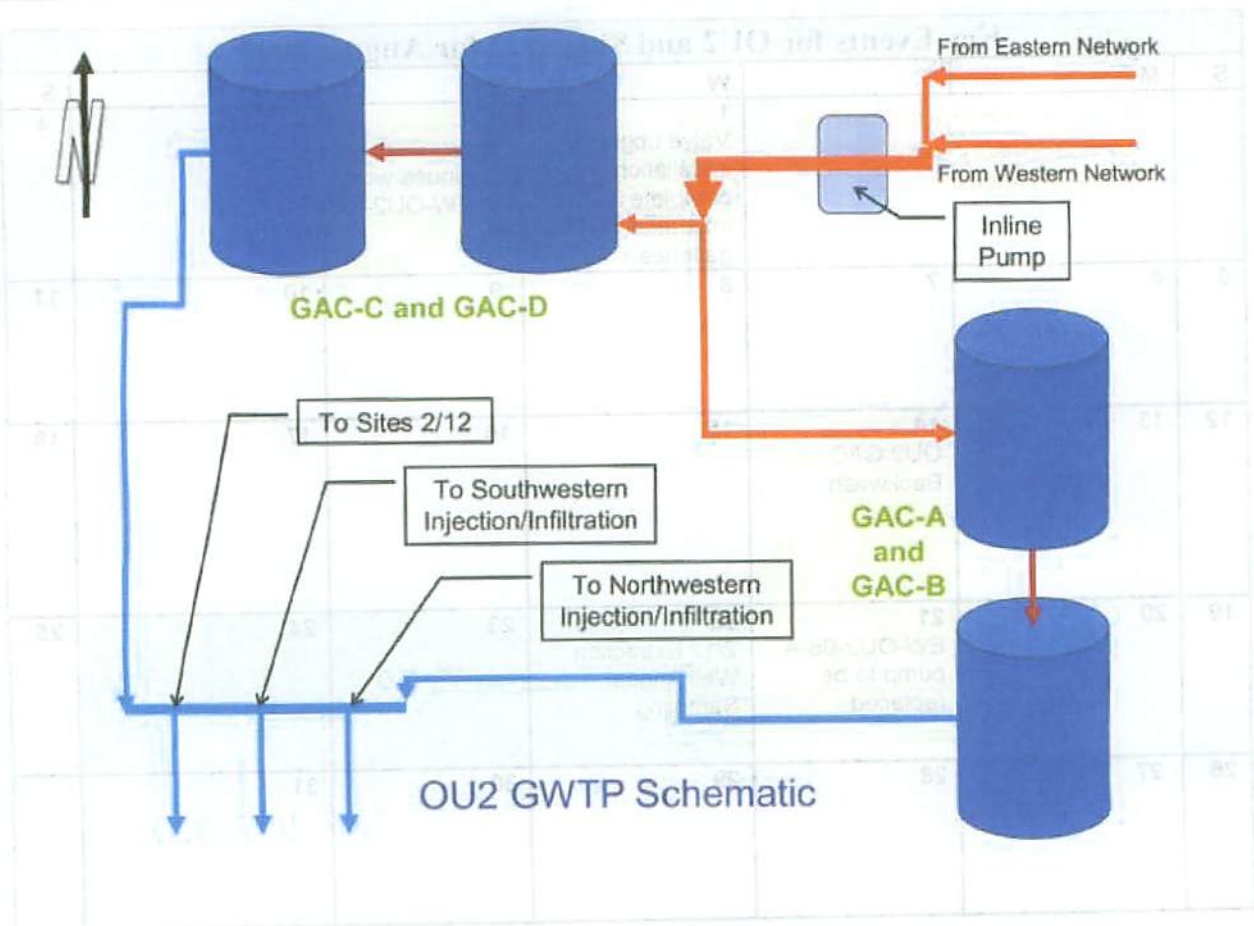
OU2 GWTP Treatment Statistics				
OU2 Treatment (Month)	Volume Treated (gallons)	Average Operational Flow (gallons per minute)	% of Time Online	Mass Removed (lbs)
August 2007	28,957,450	648	100.0	3.389
Total since October 1995	4.437 billion			542.83

2/12 GWTP Treatment Statistics				
2/12 Treatment (Month)	Volume Treated (gallons)	Average Operational Flow (gallons per minute)	% of Time Online	Mass Removed (lbs)
August 2007	8,756,400	196	100.0	3.051
Total since May 1999	1.065 billion			380.56

Key Events for OU2 and Sites 2/12 for August 2007						
S	M	T	W	T	F	S
	163 USA Alerts in August, none of which required onsite attention		1 Valve upgrade installation complete in infiltration galleries.	2 Shaw continues work on EW-OU2-06-A	3	4
5	6	7	8	9	10	11
12	13	14 OU2 GAC Backwash	15	16	17	18
19	20	21 EW-OU2-08-A pump to be replaced	22 2/12 Extraction Well Annual Sampling	23	24	25
26	27	28	29	30	31	



Sites 2/12 GWTP Schematic



OU2 GWTP Schematic

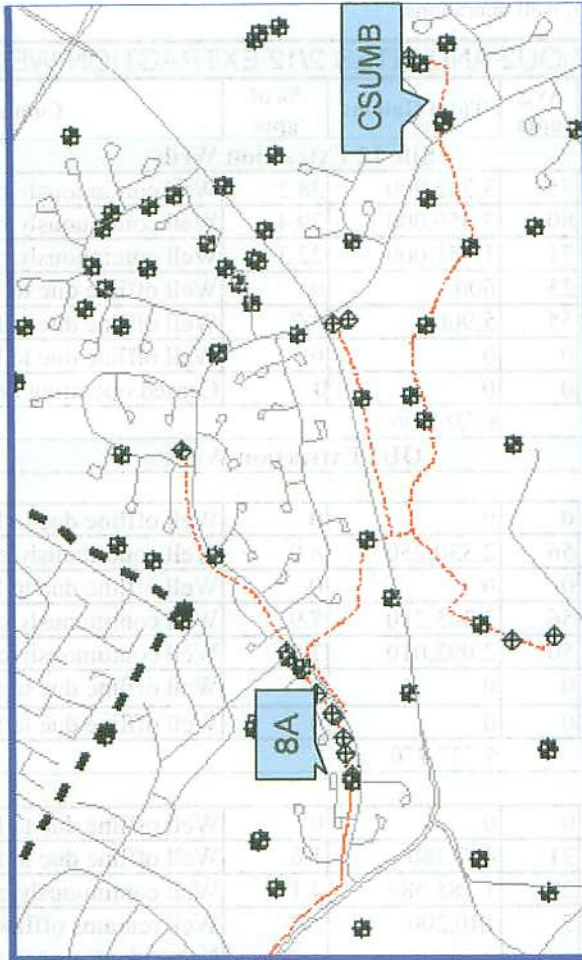
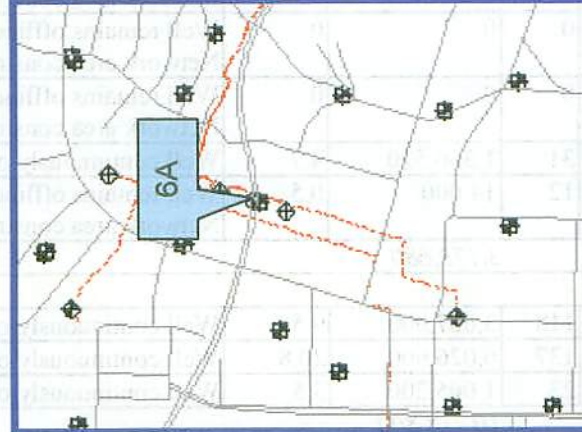
Status Of Extraction Wells:

The table below provides the status of each of the extraction wells for OU2 and Sites 2/12, and identifies any issues related to the extraction well operations.

August 2007 OU2 AND SITES 2/12 EXTRACTION WELL STATUS					
Well Identification	% On	Avg. gpm	Total Gallons	% of gpm	Comments
Site 12 Extraction Wells					
EW-12-X1	99.8	75	3,342,900	38.2	Well continuously operating.
EW-12-X2	96.8	80	3,456,000	39.4	Well continuously operating.
EW-12-X3	61.6	71	1,951,000	22.3	Well continuously operating.
EW-12-03-U	0.1	25	600	0	Well offline due to low concentrations.
EW-12-03-M	0.2	55	5,900	.07	Well offline due to low concentrations.
EW-12-04-U	0	0	0	0	Well offline due to low concentrations.
EW-12-04-M	0	0	0	0	Ceased operating on 11/21/2005. No power.
Total gallons treated :			8,756,400		
OU2 Extraction Wells					
Western Network					
EW-OU2-01-A	0	0	0	0	Well offline due to low concentrations.
EW-OU2-02-A	92.8	56	2,330,250	8.0	Well continuously operating.
EW-OU2-03-A	0	0	0	0	Well offline due to low concentrations.
EW-OU2-04-A	92.8	56	2,305,210	7.9	Well continuously operating.
EW-OU2-05-A	93.0	50	2,092,010	7.2	Well continuously operating.
EW-OU2-06-A	0	0	0	0	Well offline due to area construction.
EW-OU2-01-180	0	0	0	0	Well offline due to low concentrations.
Total gallons treated :			6,727,470		
Eastern Network					
EW-OU2-07-A	0	0	0	0	Well offline due to low concentrations.
EW-OU2-08-A	33.5	31	467,380	1.6	Well offline due to failed pump.
EW-OU2-09-A	99.8	27	1,185,580	4.1	Well continuously operating.
EW-OU2-10-A	44.3	7	140,200	.48	Well remains offline due to Eastern Network area construction.
EW-OU2-11-A	0	0	0	0	Well remains offline due to Eastern Network area construction.
EW-OU2-12-A	0	0	0	0	Well remains offline due to Eastern Network area construction.
EW-OU2-13-A	100.0	31	1,366,520	4.7	Well continuously operating.
EW-OU2-02-180	2.6	12	14,000	0.5	Well remains offline due to Eastern Network area construction.
Total gallons treated :			3,173,680		
Shoppette					
EW-OU2-05-180	69.8	118	3,687,000	9.5	Well continuously operating.
EW-OU2-06-180	98.2	137	6,026,600	20.8	Well continuously operating.
EW-OU2-16-A	99.9	23	1,005,200	3.5	Well continuously operating.
Total gallons treated :			10,718,800		
CSUMB					
EW-OU2-14-A	29.5	24	317,400	1.1	Cycling due to low water levels.
EW-OU2-15-A	94.6	21	900,100	3.1	Cycling due to high pressure.
Total gallons treated :			1,217,500		
Landfill					
EW-OU2-03-180	93.9	147	6,183,000	21.3	Well continuously operating.
EW-OU2-04-180	0	0	0	0	Well offline due to low concentrations.
Total gallons treated :			6,183,000		
Bunker Hill Well					
EW-OU2-08-180	100.0	21	937,000	2.4	Well continuously operating.
Total gallons treated :			937,000		



OU2 West
Area



OU2 East Area

Sites 2/12
Area



- OU CTP
- Bio Pilot
Study
9/11/07

OPERABLE UNIT CARBON TETRACHLORIDE PLUME ENHANCED IN SITU BIOREMEDIATION PILOT STUDY

STATUS – September 11, 2007

FIELD WORK

- Well construction complete – Jul 27
 - 15 extraction wells
 - 7 injection wells
 - 5 monitoring wells
- Well development complete – Aug 8
- Wells surveyed – Aug 14
- Slug testing complete – Aug 17
- System construction in progress
 - all major equipment on site
 - constructing substrate processing equipment in conex box
 - conex box to be moved to OUCTP site on Sept 12
 - electrical/system automation

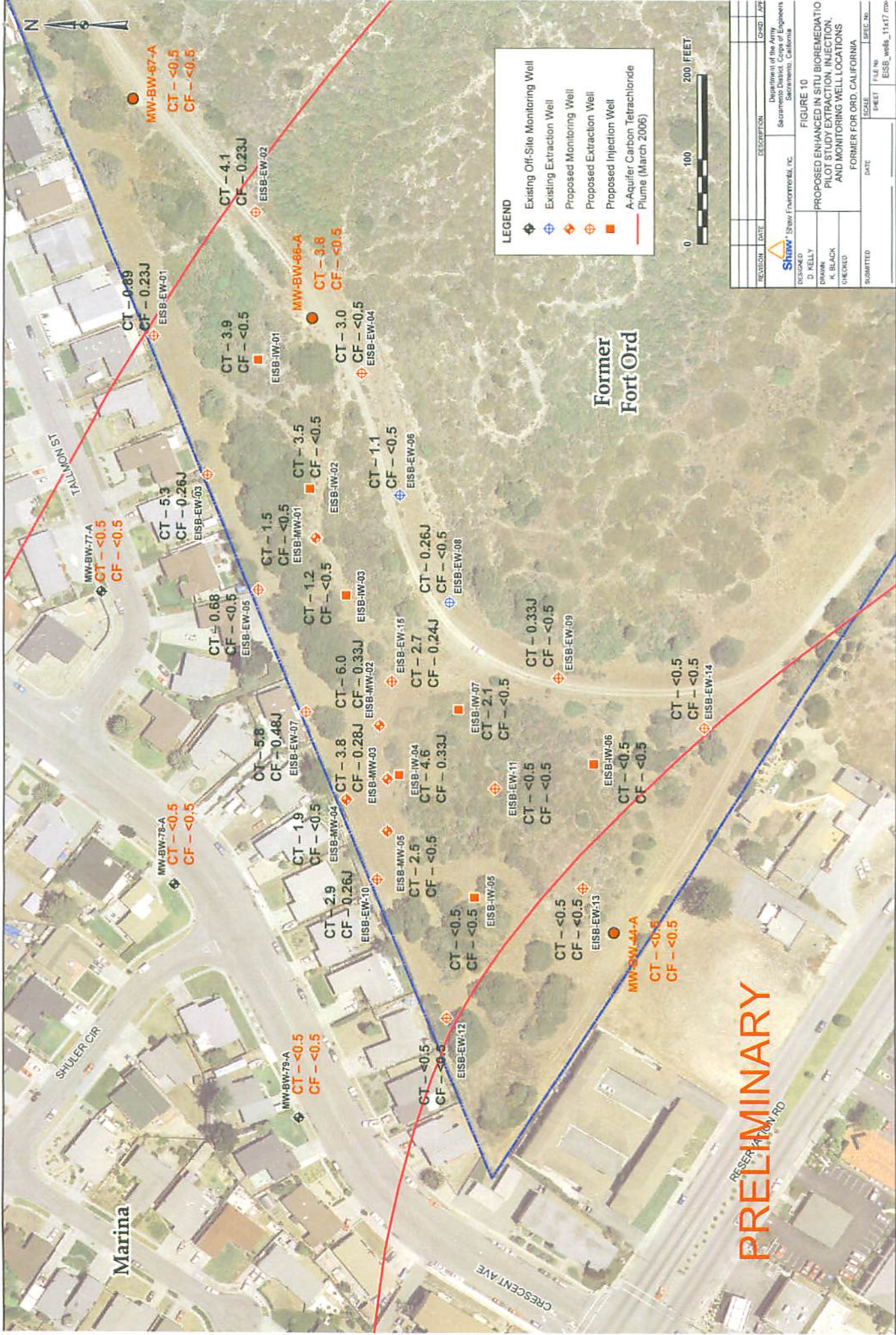
SCHEDULE

- System installation – complete Sep 21
- Electrical installation – complete Sep 25
- Startup/Tracer testing – Oct 1 to Oct 31
- Start substrate injection – Nov 12

DATA (See Attached)

- Grab Sample Analytical Results.
- Preliminary Slug Test Data (EISB-EW-12 example).

GRAB SAMPLE ANALYTICAL RESULTS



REVISION	DATE	DESCRIPTION	DESIGNED	DRAWN	CHECKED	SUBMITTED	DATE	SCALE	SHEET	SPEC. NO.	FILE NO.
			Shaw Environmental, Inc.	D. KELLY	K. BLACK						EISB_wells_11x17.rvt
			Department of the Army Sacramento District, Corps of Engineers Sacramento, California								
			FIGURE 10								
			PROPOSED ENHANCED IN SITU BIOREMEDIATION PILOT STUDY EXTRACTION, INJECTION, AND MONITORING WELL LOCATIONS								
			FORMER FOR ORD, CALIFORNIA								

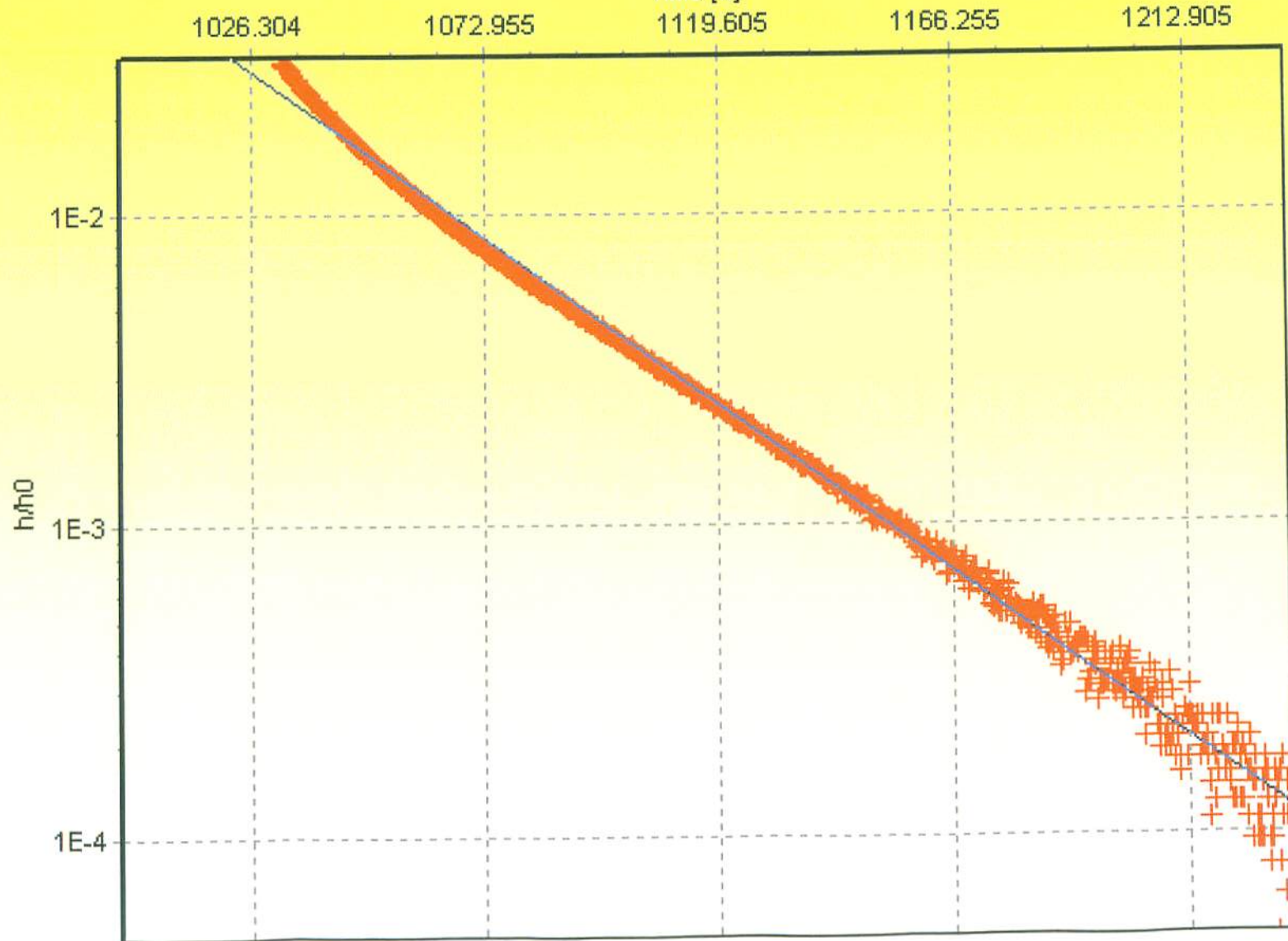
- Samples collected immediately following development
- June 2007 analytical data from existing wells presented in red
- Concentrations in micrograms per liter

Slug Test Results from EISB-EW-12 Slug Out Test

EW-12-SO1 [Bouwer & Rice]

Time [s]

+ EISB-EW-12

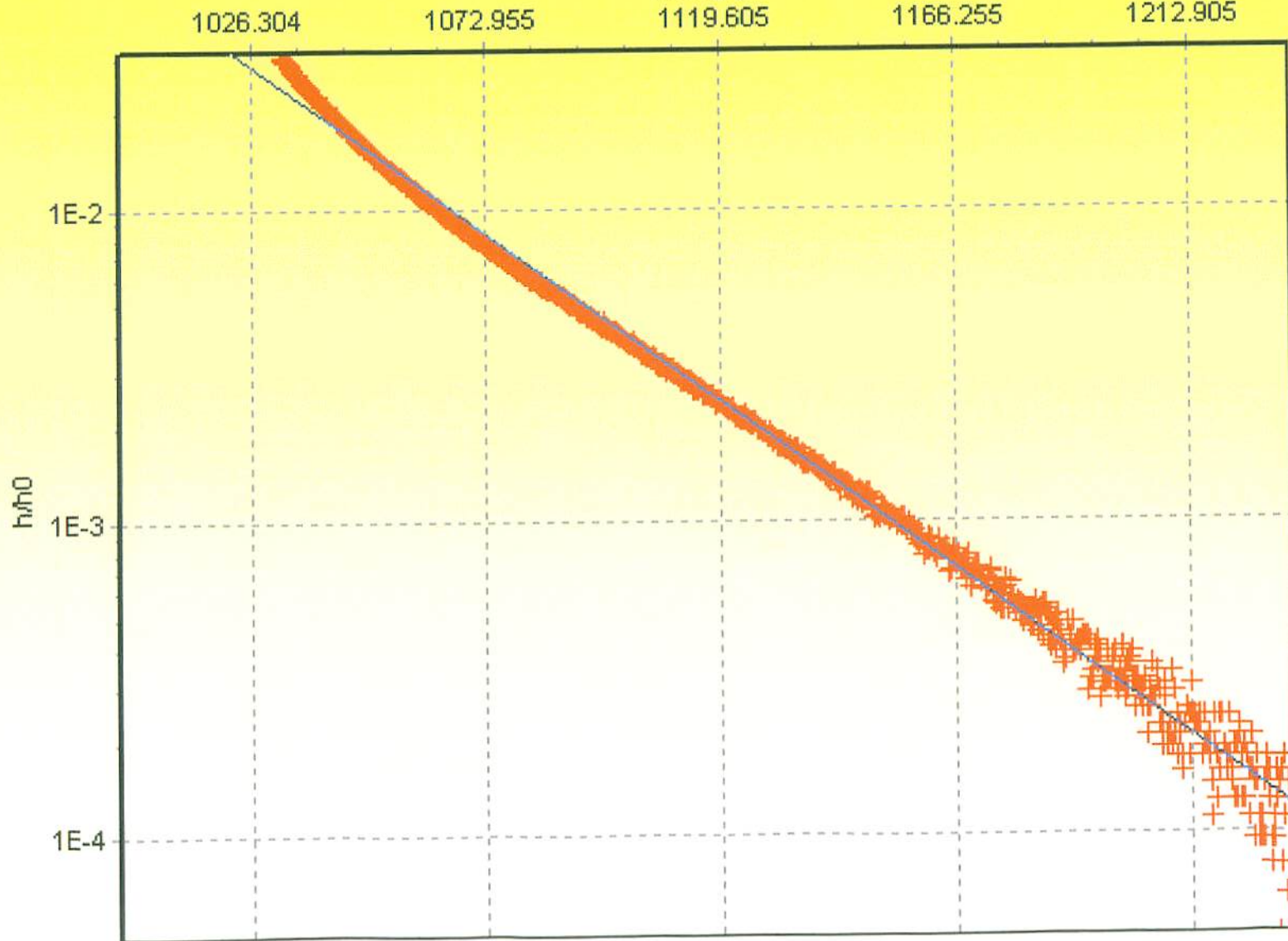


Slug Test Results from EISB-EW-12 Slug Out Test

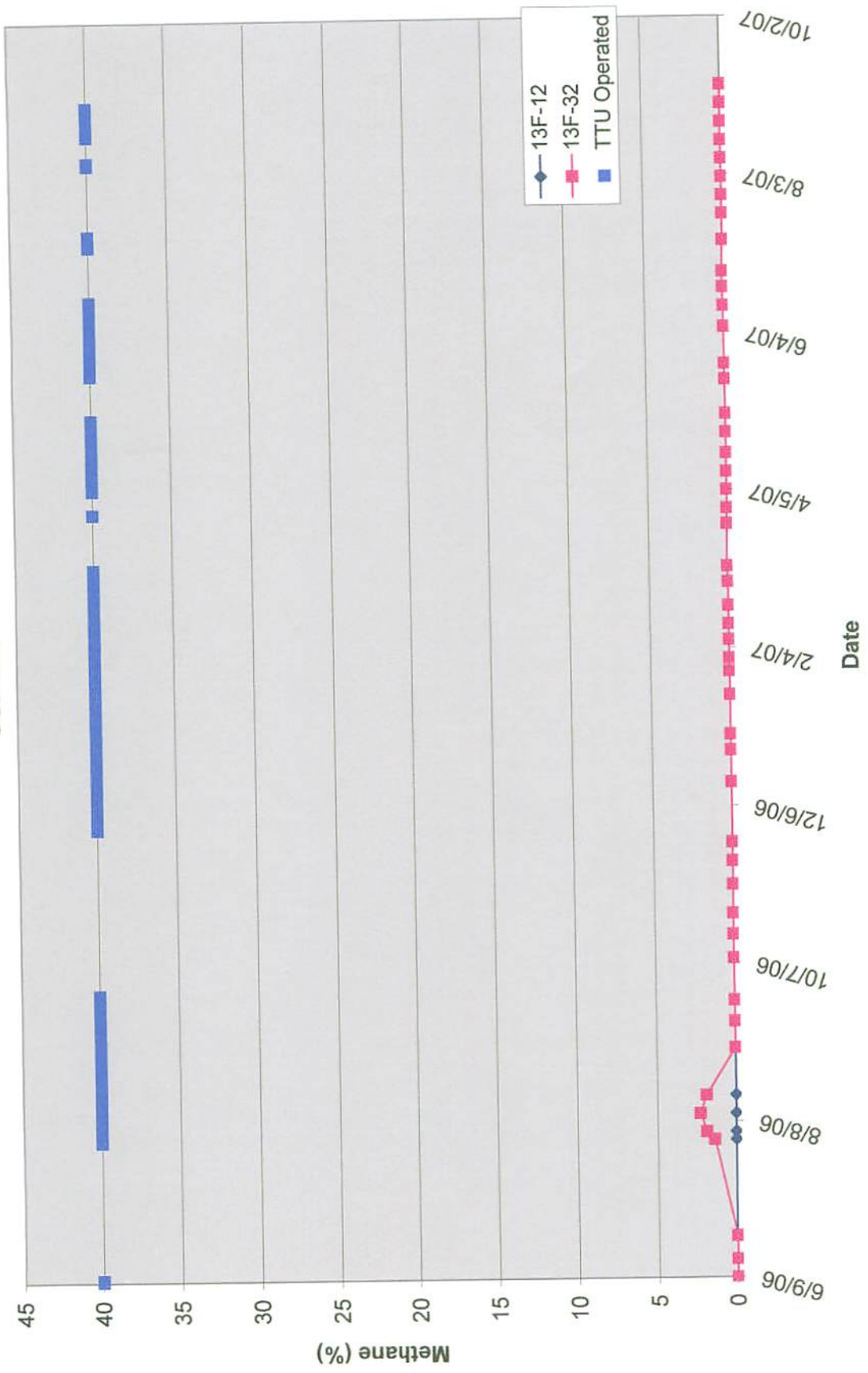
EW-12-SO1 [Bouwer & Rice]

Time [s]

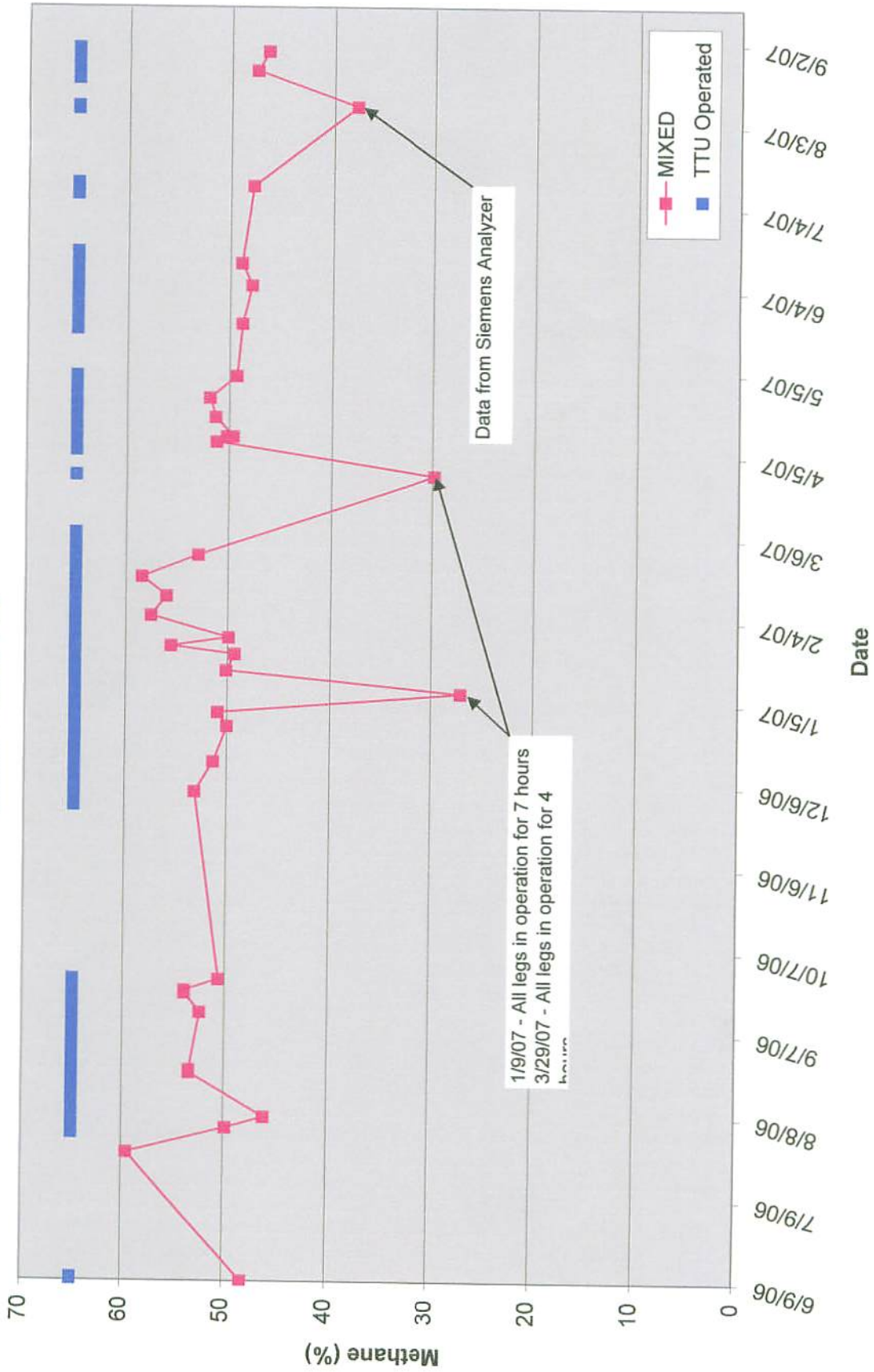
+ EISB-EW-12



Methane Concentration vs. Time SGP-13F



Methane Concentration vs. Time Mixed Port at TTU



Methane Concentration vs. Time
Interior Extraction Wells

