

SUBJECT: HTW – BCT Meeting

July 11, 2007

1:00 p.m.

Check (✓)	Name	Organization	Phone	E-mail address
	Roman Racca	DTSC	916/255-6407	Rracca@dtsc.ca.gov
	Stewart Black	DTSC	916/255-3665	sblack@dtsc.ca.gov
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	Martin Hausladen	U.S. EPA	415/972-3007	Hausladen.martin@epamail.epa.gov
	Grant Himebaugh	RWQCB	805/542-4636	Ghimebaugh@waterboards.ca.gov
	Bill Mabey	TechLaw Inc	415/281-8730	bmabey@techlawinc.com
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	Derek Lieberman	AHTNA	831/242-4873	Derek.S.Lieberman@us.army.mil
	Bill Collins	Fort Ord BRAC	831/242-7920	William.collins@monterey.army.mil
	George Siller	COE	916/557-7418	George.L.Siller@usace.army.mil
	David Eisen	COE	831/393-9692	David.Eisen@usace.army.mil
	Guy Romine	AED	971/645-3645	Guy.romine1@us.army.mil

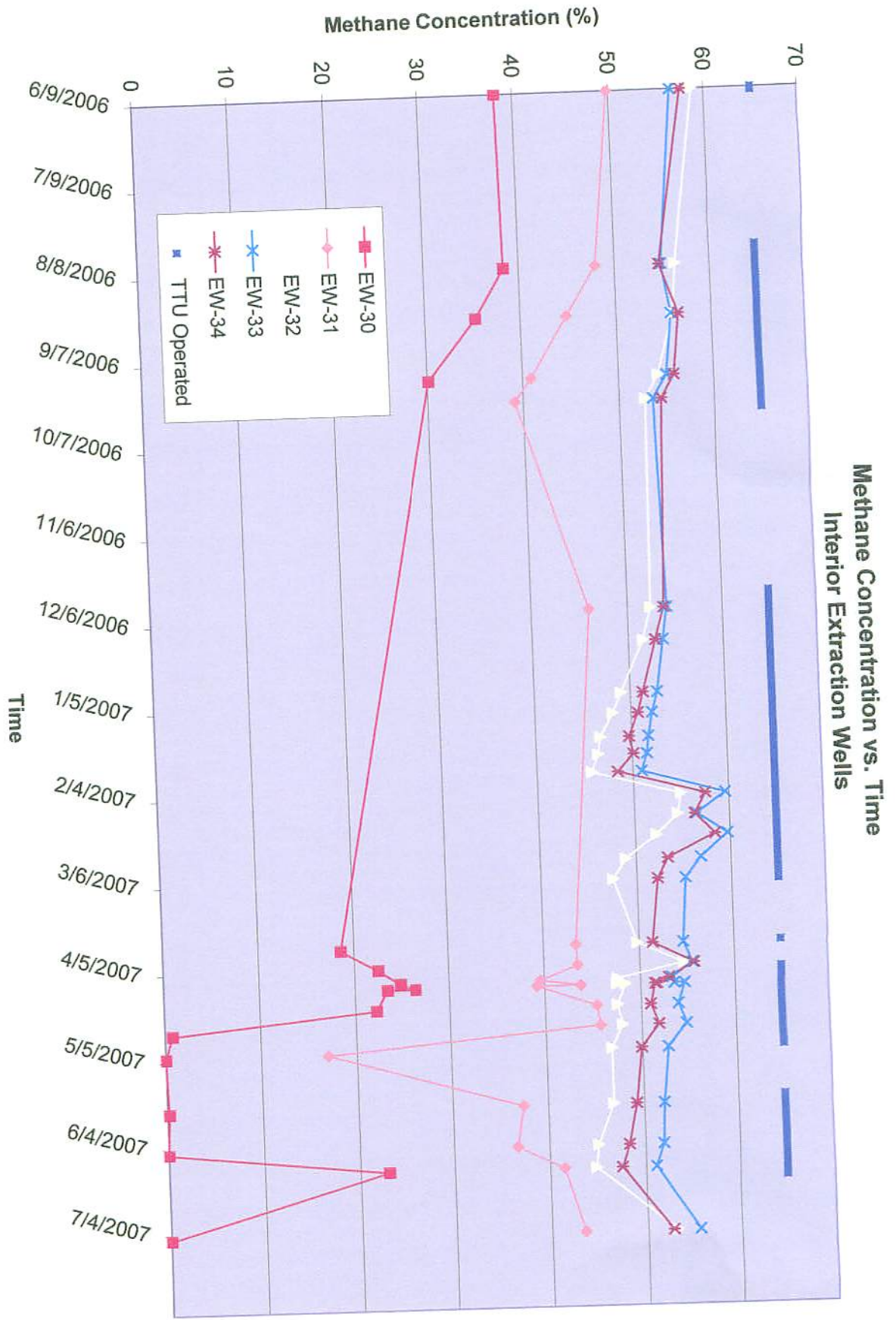
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Check (✓)	Name	Organization	Phone	E-mail address
	Peter Kelsall	Shaw E & I	831/883-5810 ext. 810	Peter.Kelsall@shawgrp.com
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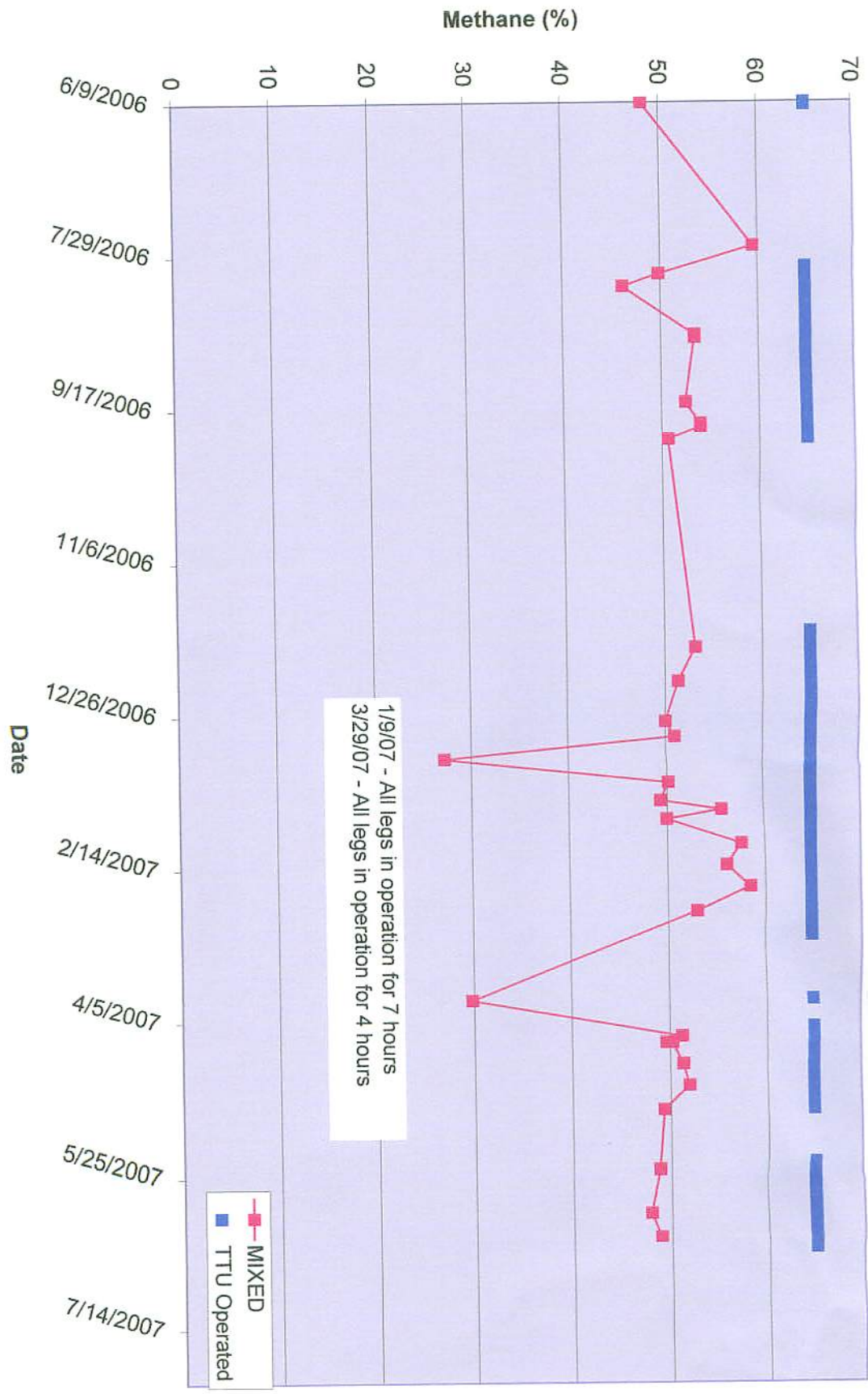
HTW BCT Meeting

July 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	
OUCTP RI/FS ROD and Pilot Study	Status Update	
Other Groundwater Issues	Update	-quarterly sampling -Marina Heights/University Villages
Groundwater Treatment System Optimization	Status Update	
OU2 Landfill Gas	Status Update	
Basewide Range Assessment	Status Update	-comments to Rev 1C
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	
July CIW and TRC	Update	
Calendar Update	Update	



Methane Concentration vs. Time
Mixed Port at TTU





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

OU2 GWTP Treatment Statistics				
OU2 Treatment (Month)	Volume Treated (gallons)	Average Operational Flow (gallons per minute)	% of Time Online	Mass Removed (lbs)
June 2007	30,878,140	784	100.0	1.77
<i>Total since October 1995</i>	4.379 billion			529.5 (1/1/07)

2/12 GWTP Treatment Statistics				
2/12 Treatment (Month)	Volume Treated (gallons)	Average Operational Flow (gallons per minute)	% of Time Online	Mass Removed (lbs)
June 2007	9,392,500	218	98.1	3.42
<i>Total since May 1999</i>	1.046 billion			359.4 (1/1/07)

Key Events for OU2 and Sites 2/12 for June 2007						
S	M	T	W	T	F	S
	There were a total of 113 USAN alerts in June, 2 required onsite attention				1	2
3	4 GWTP 2/12 County Health Inspection.	5	6	7	8 New transducer installed in EW-OU2-03-180.	9
10	11	12 Shaw onsite to clean airstripper, plant shutdown for app. 6 hours.	13 Calcon onsite to install conductivity probe in 2/12 Influent line.	14 P.S.I. completed communication upgrades on CSUMB and Shoppette extraction wells.	15	16
17	18 2/12 lead GAC backwash completed.	19	20	21 EW-OU2-08-180 programming and fiberoptic connections completed.	22	23
24	25 Local construction damaged conduit for EW-OU2-06A. Western Network shutdown.	26 Repairs made to Western Network and area brought back online.	27 Repaired plumbing break on EW-OU2-02-180 well head. Well remained off for 24 hours.	28	29	30

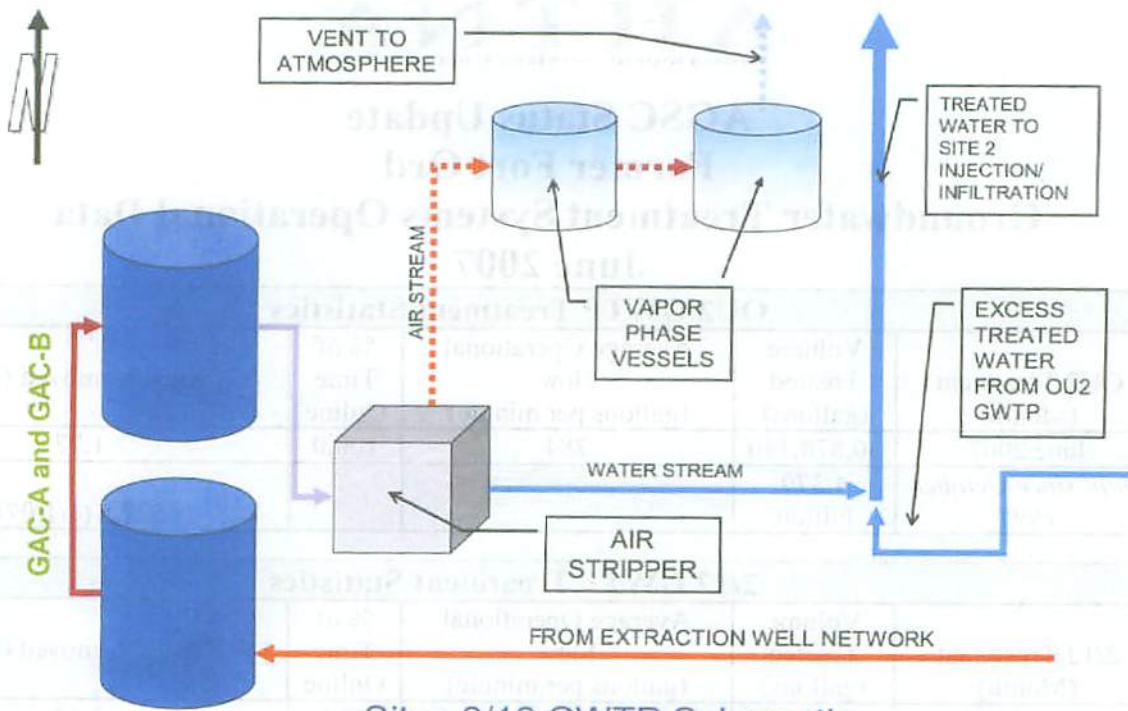


AGSC Status Update
Former Fort Ord
Groundwater Treatment Systems Operational Data
June 2007

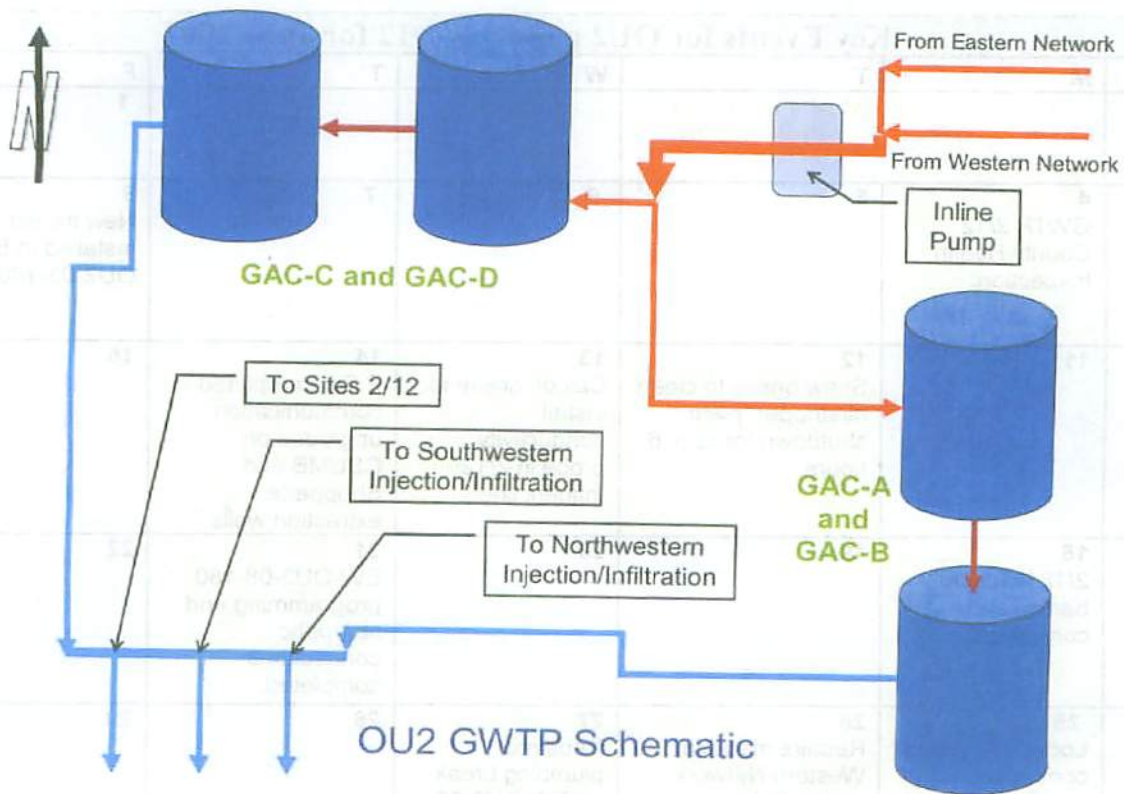
OU2 GWTP Treatment Statistics				
OU2 Treatment (Month)	Volume Treated (gallons)	Average Operational Flow (gallons per minute)	% of Time Online	Mass Removed (lbs)
June 2007	30,878,140	784	100.0	1.77
Total since October 1995	4.379 billion			529.5 (1/1/07)

2/12 GWTP Treatment Statistics				
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17	18 2/12 lead GAC backwash completed.	19	20	21 EW-OU2-08-180 programming and fiberoptic connections completed.	22	23
24	25 Local construction damaged conduit for EW-OU2-06A. Western Network shutdown.	26 Repairs made to Western Network and area brought back online.	27 Repaired plumbing break on EW-OU2-02-180 well head. Well remained off for 24 hours.	28	29	30



Sites 2/12 GWTP Schematic



OU2 GWTP Schematic

AHTNA

Government Services Corporation

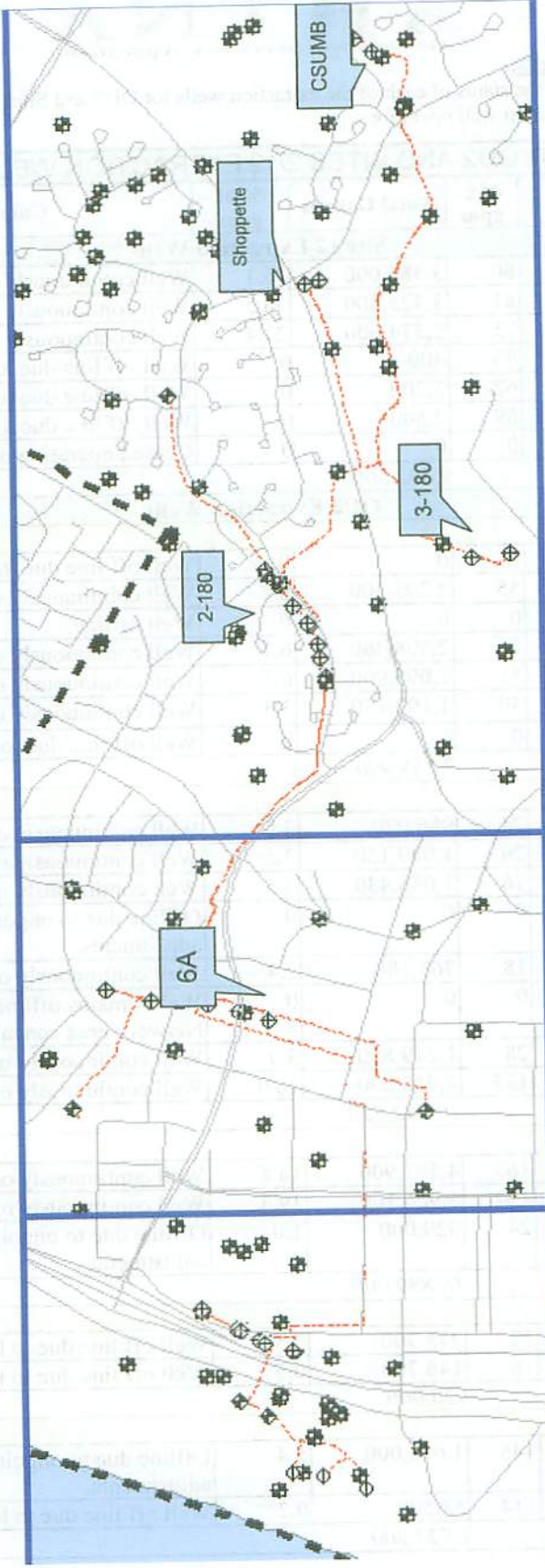
Status Of Extraction Wells:

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.

May 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	98.1	80	3,386,000	36.1	Well continuously operating.
EW-12-X2	98.1	81	3,425,800	36.5	Well continuously operating.
EW-12-X3	79.6	75	2,574,600	27.4	Well continuously operating.
EW-12-03-U	0.0	33	400	0	Well off line due to low concentrations.
EW-12-03-M	0.1	62	3,200	0	Well off line due to low concentrations.
EW-12-04-U	0.1	69	2,500	0	Well off line due to low concentrations.
EW-12-04-M	0	0	0	0	Ceased operating on 11/21/2005. No power.
<i>Total gallons treated :</i>			9,392,500		
OU2 Extraction Wells					
<i>Western Network</i>					
EW-OU2-01-A	0	0	0	0	Well off line due to low concentrations.
EW-OU2-02-A	96.5	55	2,293,500	6.7	Well continuously operating.
EW-OU2-03-A	0	0	0	0	Well offline.
EW-OU2-04-A	95.7	56	2,308,460	6.7	Well continuously operating.
EW-OU2-05-A	95.9	51	2,095,900	6.1	Well continuously operating.
EW-OU2-06-A	91.2	30	1,192,130	3.5	Well continuously operating.
EW-OU2-01-180	0	0	0	0	Well off line due to low concentrations.
<i>Total gallons treated :</i>			7,889,990		
<i>Eastern Network</i>					
EW-OU2-07-A	27.6	24	986,020	3.5	Well continuously operating.
EW-OU2-08-A	99.4	26	1,089,150	3.5	Well continuously operating.
EW-OU2-09-A	100	26	1,086,430	3.5	Well continuously operating.
EW-OU2-10-A	0	0	0	0	Offline due to ongoing inline pump adjustments.
EW-OU2-11-A	99.6	18	763,180	2.4	Well continuously operating.
EW-OU2-12-A	0	0	0	0	Well remains offline due to Eastern Network area construction.
EW-OU2-13-A	96.9	28	1,219,850	3.9	Well continuously operating.
EW-OU2-02-180	84.8	135	4,948,000	16.0	Well continuously operating.
<i>Total gallons treated :</i>			10,092,630		
<i>Shoppette</i>					
EW-OU2-05-180	79.6	163	4,593,900	14.8	Well continuously operating.
EW-OU2-06-180	95.2	194	5,966,100	19.3	Well continuously operating.
EW-OU2-16-A	31.6	24	329,000	1.0	Offline due to ongoing inline pump adjustments.
<i>Total gallons treated :</i>			10,889,000		
<i>CSUMB</i>					
EW-OU2-14-A	79.7	22	773,300	2.5	Well off line due to low concentrations.
EW-OU2-15-A	21.4	16	146,700	0.5	Well off line due to low concentrations.
<i>Total gallons treated :</i>			920,000		
<i>Landfill</i>					
EW-OU2-03-180	26.5	146	1,675,000	5.4	Offline due to ongoing inline pump adjustments.
EW-OU2-04-180	1.1	114	53,500	0.2	Well off line due to low concentrations.
<i>Total gallons treated :</i>			1,728,500		



OU2 West Area



Sites 2/12 Area

OU2 East Area

2-180

3-180

Shoppette

CSUMB

HGL AGENDA

Fort Ord HTW BCT Meeting
1:00 PM, 11 July 2007
Monterey, California

1. Groundwater Remediation Project Update
 - HCPP System operation update (see attached summary).
2. Quarterly LTM
 - 4th Quarter and Annual 2006 Groundwater Monitoring Report in preparation. To be submitted end of next week.
 - HGL has received validated 2nd quarter 2007 data from laboratory.
 - 1st quarter 2007 groundwater report in progress.
3. Other Documents
 - Draft Response to Comments for Draft Interim HCPP Evaluation Report was submitted to DTSC on 06 July 2007.
 - HGL has begun preparation of Tech Memo to provide the results of the original OU-1 rebound evaluation upon receipt of validated data for the May 2007 sampling event.
4. FONR Construction
 - Construction kickoff meeting was held on 18 June 2007 at MBEST Center.
 - Job trailer mobilized to site 11 July 2007.
 - Full mobilization to site scheduled on 12 July 07
 - Anticipate finishing construction no later than mid September.
5. Meetings
 - HGL has scheduled a meeting on 18 July 2007 with Maggie Fusari at Fort Ord to discuss habitat restoration.
 - HGL has scheduled a meeting on 19 July 2007 with DTSC in Sacramento to update DTSC staff on project progress.

Summary of TCE Analytical Results

WELL IDENTIFICATION	ELEVATION (MSL)	TCE ^a March 28-30, 2006 (ug/L)	TCE May 4, 2006 (ug/L)	TCE May 23, 2006 (ug/L)	TCE September 25, 2006 (ug/L)	TCE Feb 2 & 6, 2007 (ug/L)	TCE April 3, 2007 (ug/L)	TCE May 22, 2007 (ug/L)
MW-OU1-75A	35.87	18.6	2.1	1.7	0.28J	<0.5	<0.5	<0.5
MW-OU1-75A	30.87	--	14	9.8	2.4	0.64	1.6	0.82
MW-OU1-75A	25.87	--	15	9.5	2.5	0.58	1.7	0.9
MW-OU1-75A	20.87	--	17	9.5	2.6	1.5	1.6	0.69
MW-OU1-75A	15.87	--	20	26	18	0.75	1.1	1.2
MW-OU1-76A	32.33	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-76A	27.33	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-76A	22.33	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-76A	17.33	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-76A	12.33	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-77A	29.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5 ^d
MW-OU1-77A	24.1	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-77A	19.1	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-78A	29.91	1.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-78A	24.91	--	3.2	2.1J ^b	1.4	1.5	0.85	0.6
MW-OU1-78A	19.91	--	2.7	2.3	1.2	1.7	0.94	0.81
MW-OU1-79A	29.72	<0.5	<0.5	<0.5UJ ^c	<0.5	<0.5	<0.5	<0.5
MW-OU1-79A	24.72	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-79A	19.72	--	<0.5	<0.5	0.59	0.67/0.85	3.5/3.6	3.8/4.0
MW-OU1-80A	25.32	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-80A	20.32	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-80A	15.32	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-80A	10.32	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-81A	21.39	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-81A	16.39	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-81A	11.39	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-81A	6.39	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-OU1-81A	1.39	--	<0.5	<0.5	<0.5	<0.5	<0.5/<0.5	<0.5

Notes:

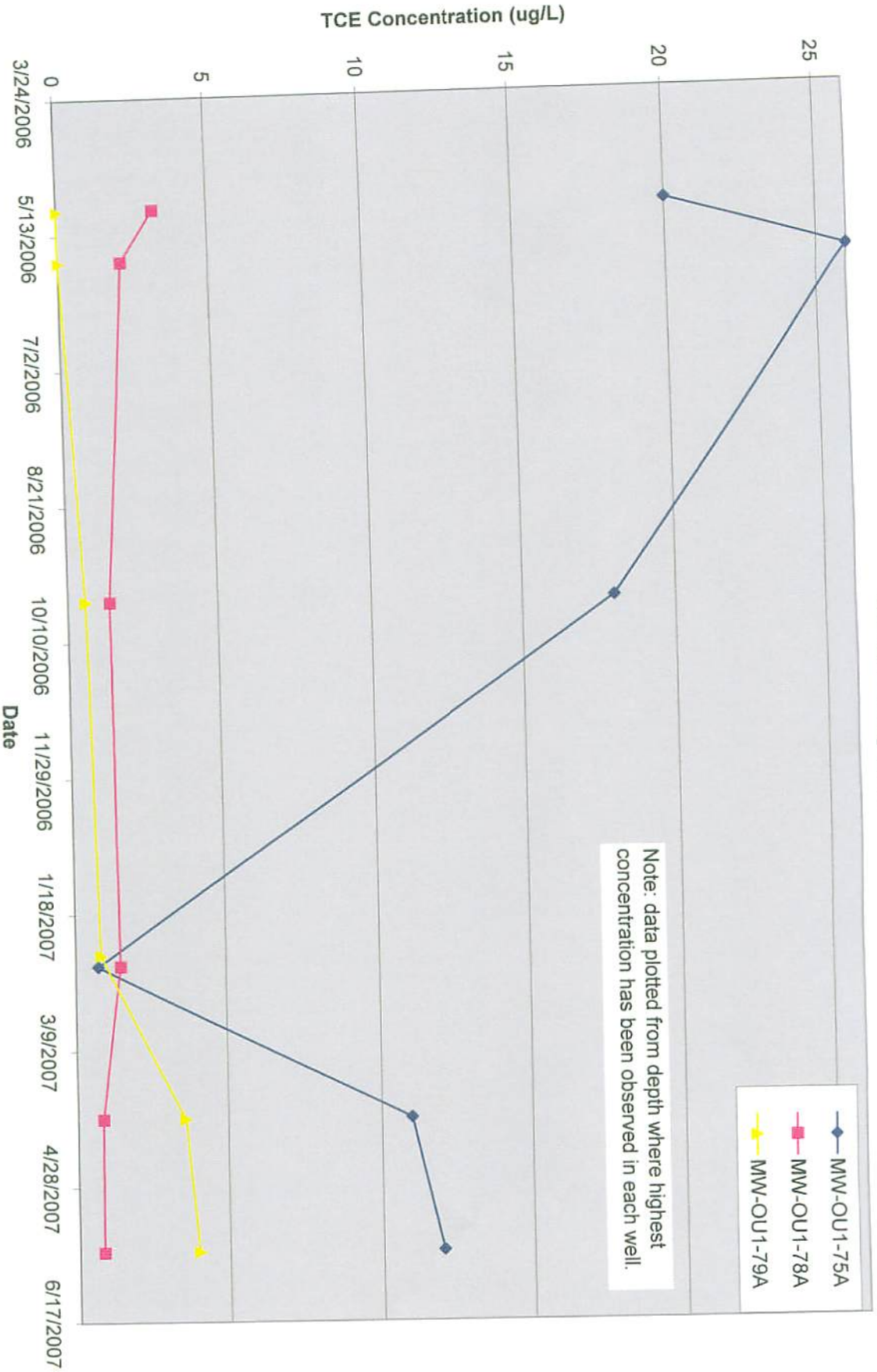
^a There is no associated discrete depth with the well development samples. These are composites.

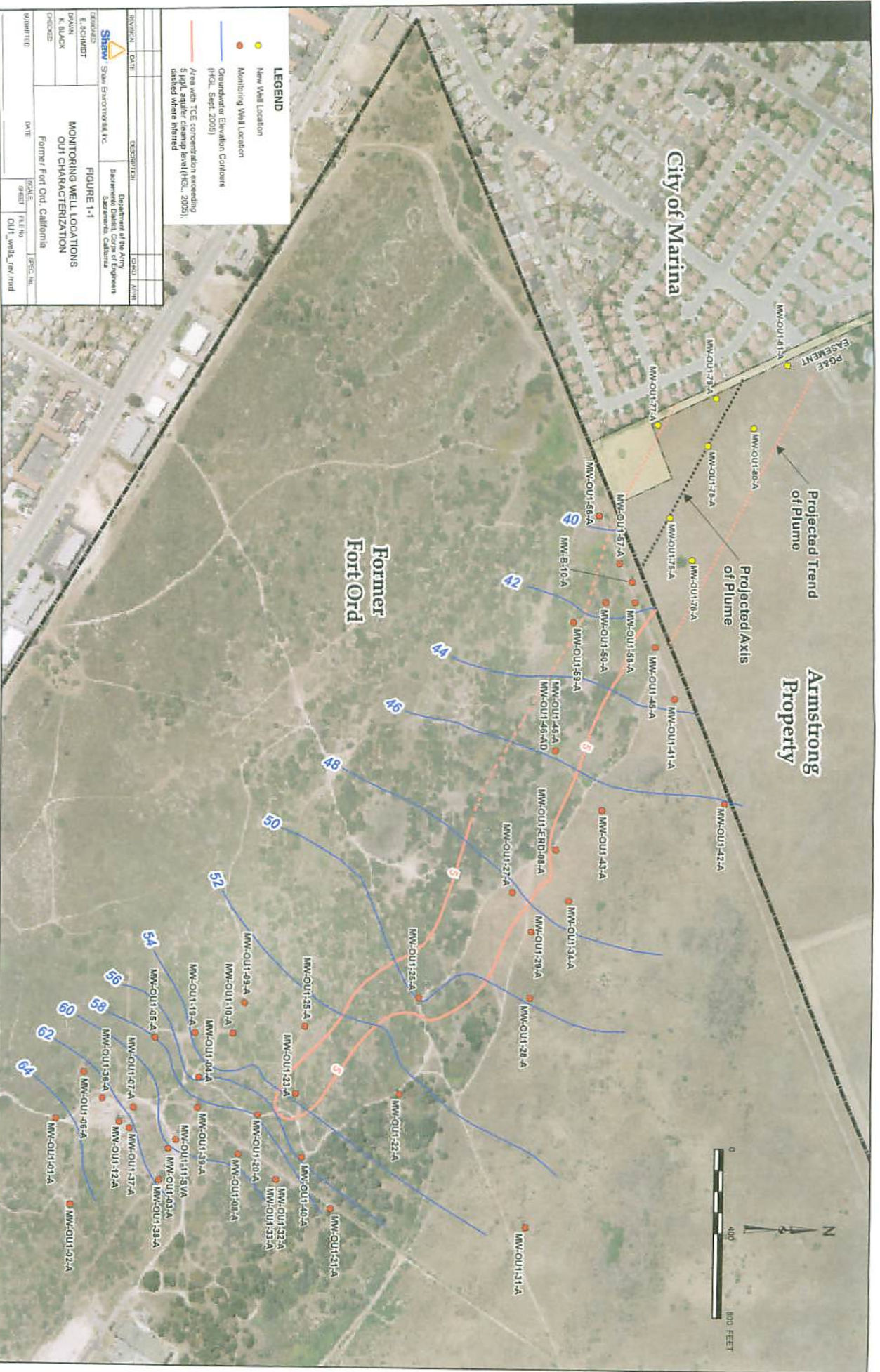
^b Data qualified as "J-" is estimated with low bias

^c Data qualified as "UJ" is estimated non-detect due to quality control outliers

^d an estimated concentration of carbon disulfide detected in this sample (0.75J)

TCE Concentration vs. Time OU1 Armstrong Wells





PROVISION	DATE	DESCRIPTION	CHG'D BY	DATE
REVISION				
PROJECT	DATE	DESCRIPTION	CHG'D BY	DATE
CLIENT	DATE	DESCRIPTION	CHG'D BY	DATE
PROJECT	DATE	DESCRIPTION	CHG'D BY	DATE
PROJECT	DATE	DESCRIPTION	CHG'D BY	DATE

FIGURE 1-1
MONITORING WELL LOCATIONS
OUI CHARACTERIZATION
 Former Fort Ord, California

Sherwin Williams Environmental
 Department of the Army
 Environmental Project, Corps of Engineers
 Construction Division, California

E. SCHMIDT
 GRAY
 K. BLACK
 CHECKED
 SUBMITTED

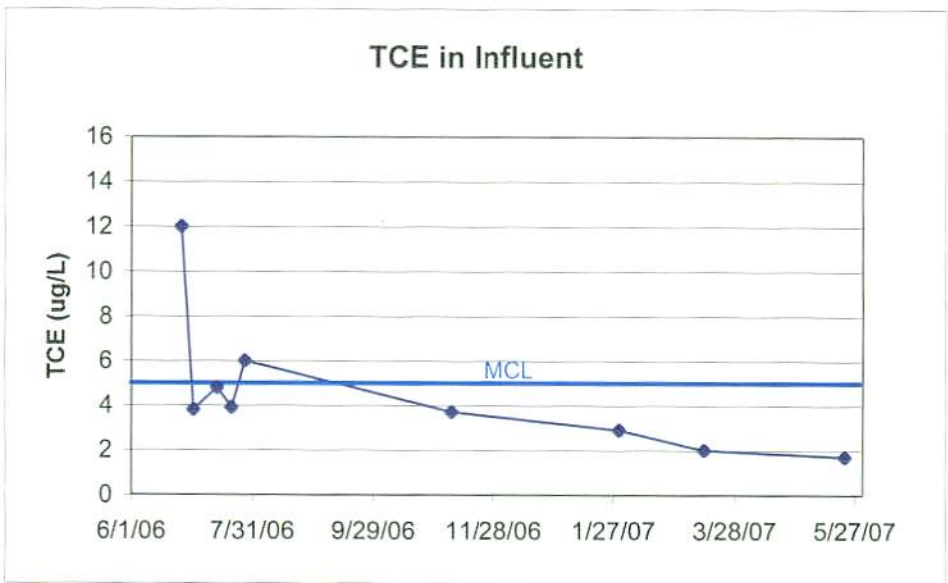
SCALE: 1" = 100' (VERT)
 SCALE: 1" = 100' (HORIZ)
 DATE: 08/11/05
 DATE: 08/11/05

LEGEND
 ● New Well Location
 ● Monitoring Well Location
 — Groundwater Elevation Contours (HGL, Sept. 2005)
 — Area with TCE concentration exceeding 5 µg/L (public alarm level) (HGL, 2005), dashed where inferred

City of Marina
 Former Fort Ord
 Armstrong Property
 Projected Trend of Plume
 Projected Axis of Plume
 POPE EASEMENT
 0 400 800 FEET
 N

**Fort Ord OU-1
 HCPP Treatment System Operational Summary
 July 2007**

Date	Influent TCE Concentration (µg/L)	Volume Treated (gal)	Mass Removed (lb)
6/27/06-7/1/06	12.00	190,000	0.019
7/2/06-7/12/06	3.80	781,680	0.025
7/13/06-7/19/06	4.80	425,980	0.017
7/20/06-7/26/06	3.90	371,170	0.012
7/27/06-11/6/06	6.00	5,375,480	0.269
11/7/06-1/29/07	3.70	3,636,020	0.112
1/30/07-3/13/07	2.90	2,351,090	0.057
3/13/07-5/22/07	2.00	3,698,570	0.062
5/22/07-7/6/07	1.70	2,299,020	0.033
Total Volume Pumped (gal)			19,129,010
Total Mass Removed (lb)			0.61
Average Pumping Rate (gpm)			36.79



RI Sites, Former Fort Ord

Deliverable/Event	Current Deadlines (Previous Deadlines)	Deadline Revision Rationale
Site 39		
Draft Final Basewide Range Assessment Report	3/05 (2/05)	
Comments Due	4/05 (3/05)	
Draft Ecological Risk Assessment for Small Arms Ranges Report	5/05 (4/05)	
Comments Due	7/05 (6/05)	
Draft Final Ecological Risk Assessment for Small Arms Ranges Report	4/07 (3/07)	
Comments Due	6/07 (5/07)	
Final Ecological Risk Assessment for Small Arms Ranges Report	8/07	
Draft Feasibility Study Addendum	5/07 (4/07)	
Comments due	8/07 (6/07)	Comment period extension
Draft Final Feasibility Study Addendum	9/07 (8/07)	"
Comments due	10/07 (9/07)	"
Draft Proposed Plan	9/07 (7/07)	"
Comments due	10/07 (8/07)	"
Draft Final Proposed Plan	11/07 (9/07)	"
Comments due	12/07 (10/07)	"
Final Proposed Plan	1/08 (11/07)	"
Public Meeting	1/08 (11/07)	"
Draft ROD Amendment	1/08 (12/07)	"
Comments Due	3/08 (1/08)	"

RI Sites, Former Fort Ord

Draft Final ROD Amendment	4/08 (2/08)	“
Comments Due	5/08 (3/08)	“
Final ROD Amendment	6/08 (4/08)	“
Draft Second Five Year Review	3/07	
Comments Due	5/07	
Draft Final Second Five Year Review	6/07	
Comments Due	7/07	
Final Second Five Year Review	8/07	
Draft Remedial Action Work Plan	TBD	
Comments Due	TBD	
Draft Final Remedial Action Work Plan	TBD	
Comments Due	TBD	
Draft Confirmation Report	TBD	
Comments Due	TBD	
Draft Final Confirmation Report	TBD	
Comments Due	TBD	