

**HTW BCT Meeting**

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

BRAC conference room

<b>Item</b>	<b>Action</b>	<b>Comment</b>
OU1 Groundwater Remediation	Status Update	HGL
OU1 Groundwater Characterization	Status Update	Shaw
OU2 and 2/12 Treatment Systems	Status Update	
OU/CTP RI/FS ROD/ Pilot Study	Status Update	
Other Groundwater Issues	Update	
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	
Range 36A	Status Update	
FOST/FOSL/FOSET Issues	Status Update	
Calendar Update	Update	



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

<b>OU2 GWTP TREATMENT STATISTICS</b>			
<b>OU2 Treatment (Month)</b>	<b>Volume Treated (gallons)</b>	<b>Average Operational Flow (gallons per minute)</b>	<b>Percent of Time Online</b>
March 2007	25,138,000	670	99.6
<i>Total since October 1995</i>	<i>4.295 billion</i>		
<b>SITES 2/12 GWTP TREATMENT STATISTICS</b>			
<b>Sites 2/12 Treatment (Month)</b>	<b>Volume Treated (gallons)</b>	<b>Average Operational Flow (gallons per minute)</b>	<b>Percent of Time Online</b>
March 2007	10,108,000	228	100
<i>Total since May 1999</i>	<i>1.021 billion</i>		

**Key Events:**

- March 1: the Eastern Network was brought back online following the relocation of the Abrams pipeline.
- March 6: Marc Edwards alerted AGSC staff of a leak on EW-OU2-02-180 pipeline. The leak was a result of faulty pipeline replacement. The well was turned off, no release occurred and LFR began repairs immediately.
- March 7-8: the GWTP extraction wells were sampled as part of the quarterly sampling schedule. Analytical results should be available in early April.
- March 7: PSI began installing Leak Detection devices on the new Eastern Network vaults.
- March 8: Subsequent to LFR repairing the leak on EW-OU2-02-180 programming was reset and restarted in automatic mode with no additional problems.
- March 29: Eastern Network EW-OU2-12A was shut down due to Abrams road construction and will remain offline during construction.

**USAN Alerts:**

For the month of March, AGSC received a total of 82 notifications from USAN. Four of these alerts required the personal attention of the Senior Treatment Plant Operator to monitor onsite excavations.

# 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.

MARCH 2007 OU2 AND SITES 2/12 EXTRACTION WELL STATUS			
Well Identification	% On	% Off	Comment
<b>Site 12 Extraction Wells</b>			
EW-12-X1-U	100.0	0.00	Well continuously operating.
EW-12-X2-U	100.0	0.00	Well continuously operating.
EW-12-X3-U	100.0	0.00	Well continuously operating.
EW-12-03-U	3.22	96.78	Not operational during noted shutdowns under 'Key Events.'
EW-12-03-M	3.22	96.78	Not operational during noted shutdowns under 'Key Events.'
EW-12-04-U	3.22	96.78	Not operational during noted shutdowns under 'Key Events.'
EW-12-04-M	0.00	100.0	Ceased operating on 11/21/2005. No power available.
<b>OU2 Extraction Wells</b>			
<i>Western Network</i>			
EW-OU2-01-A	0.00	100.0	Well off line.
EW-OU2-02-A	100.0	0.00	Well continuously operating.
EW-OU2-03-A	0.00	100.0	Not operational during noted shutdowns under 'Key Events.'
EW-OU2-04-A	100.0	0.00	Well continuously operating.
EW-OU2-05-A	100.0	0.00	Well continuously operating.
EW-OU2-06-A	96.78	3.22	Not operational during noted shutdowns under 'Key Events.'
EW-OU2-01-180	0.00	100.0	Pump turned off.
<i>Eastern Network</i>			
EW-OU2-07-A	96.78	3.22	Not operational during noted shutdowns under 'Key Events.'
EW-OU2-08-A	100.0	0.00	Well continuously operating.
EW-OU2-09-A	100.0	0.00	Well continuously operating.
EW-OU2-10-A	100.0	0.00	Well continuously operating.
EW-OU2-11-A	100.0	0.00	Well continuously operating.
EW-OU2-12-A	64.50	35.50	Not operational during noted shutdowns under 'Key Events.'
EW-OU2-13-A	0.00	100.0	Not operational during noted shutdowns under 'Key Events.'
EW-OU2-02-180	96.78	3.22	Not operational during noted shutdowns under 'Key Events.'
<i>Shoppette</i>			
EW-OU2-05-180	100.0	0.00	Well continuously operating.
EW-OU2-06-180	100.0	0.00	Well continuously operating.
EW-OU2-16-A	100.0	0.00	Well continuously operating.
<i>CSUMB</i>			
EW-OU2-14-A	6.45	93.50	Pump turned off due to low concentrations.
EW-OU2-15-A	3.22	96.70	Pump turned off due to low concentrations.
<i>Landfill</i>			
EW-OU2-03-180	0.00	100.0	Not operational during noted shutdowns under 'Key Events.'
EW-OU2-04-180	10.00	90.00	Pump turned off.

**SUBJECT: HTW – BCT Meeting**

**April 11, 2007**

**1:00 p.m.**

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JS	<b>George Siller</b>	COE	916/557-7418	George.L.Siller@usace.army.mil

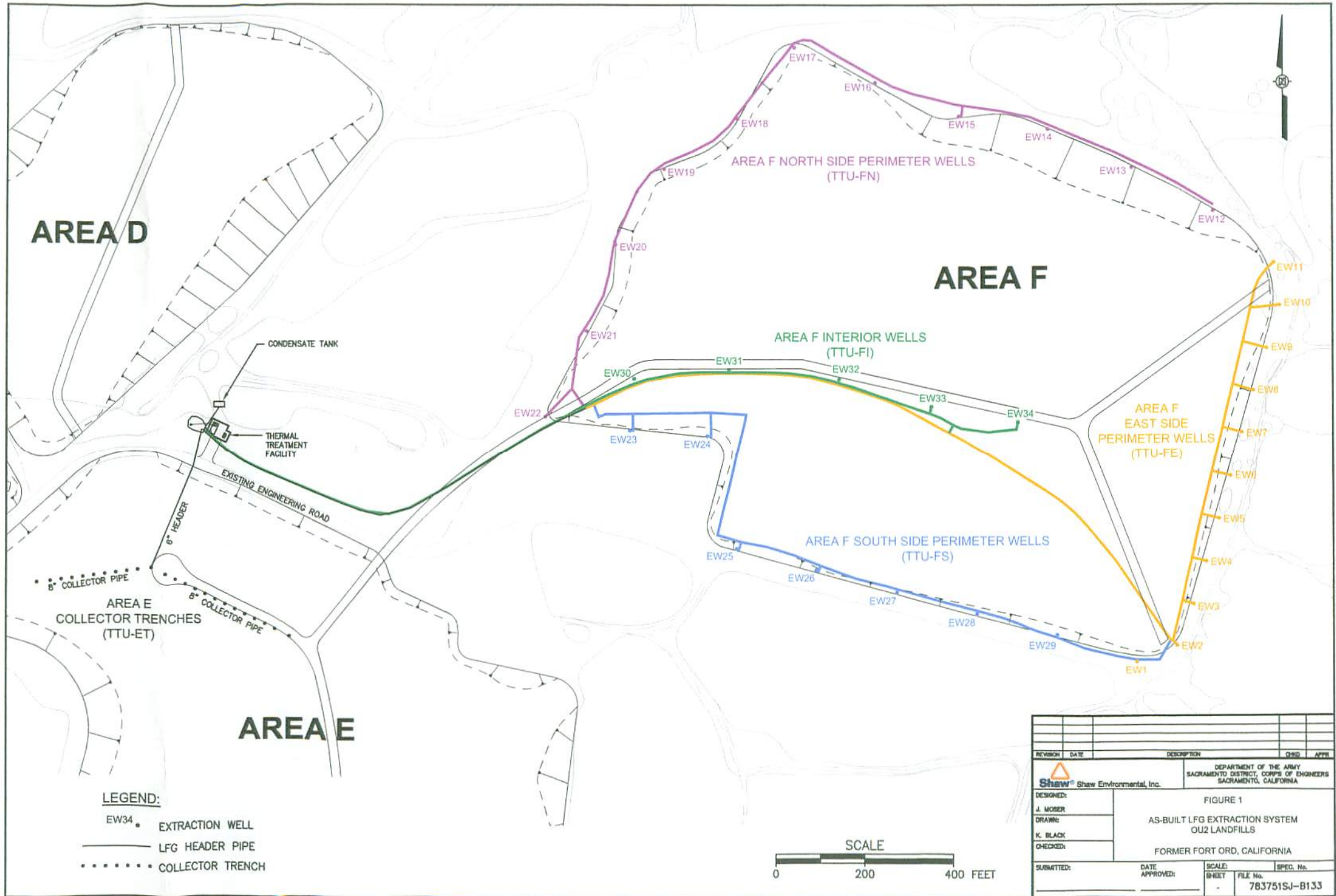
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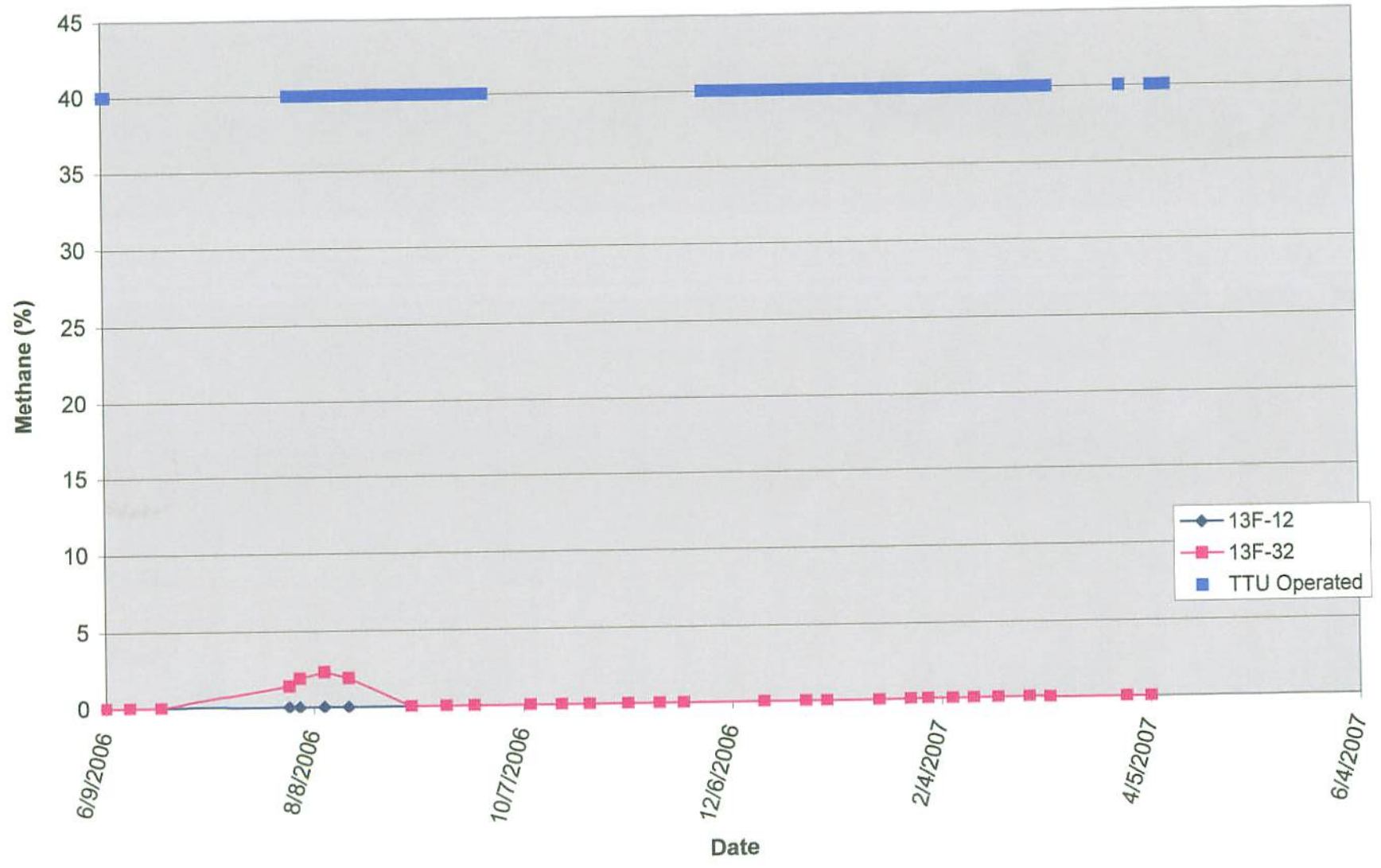
Check (✓)	Name	Organization	Phone	E-mail address
	Christopher Prescott	COE	916/557-7227	Christopher.E.Prescott@usace.army.mil
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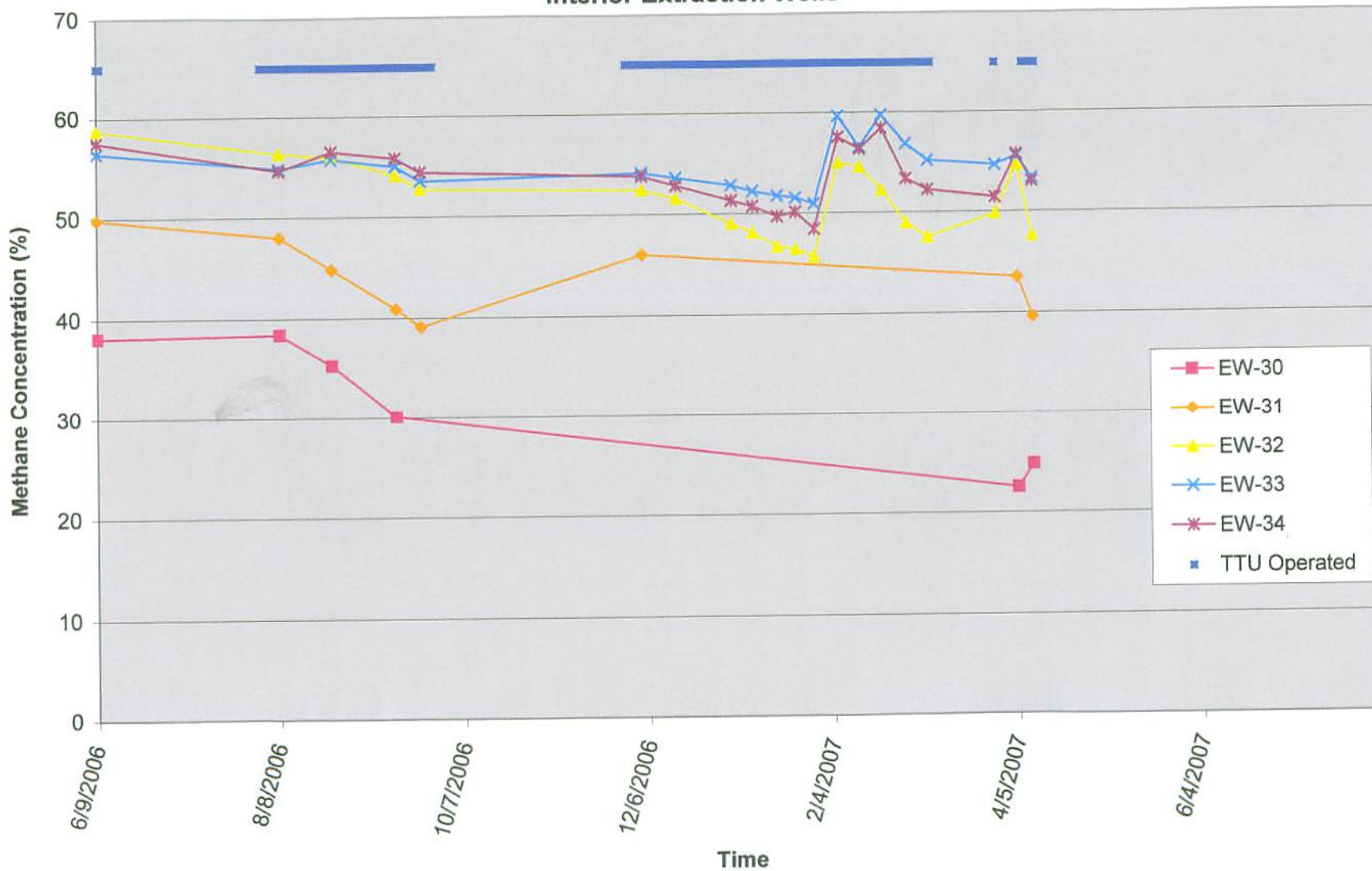
REVISION	DATE	DESCRIPTION	DESIGN	APPROV
DESIGNED:		DEPARTMENT OF THE ARMY SACRAMENTO DISTRICT, CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA		
DRAWN:		FIGURE 1		
CHECKED:		AS-BUILT LFG EXTRACTION SYSTEM O2 LANDFILLS		
SUBMITTED:		FORMER FORT ORD, CALIFORNIA		
DATE APPROVED:		SCALE:	SPEC. No.	
		SHEET:	FILE No.	
			783751SJ-B133	

Methane Concentration vs. Time  
SGP-13F

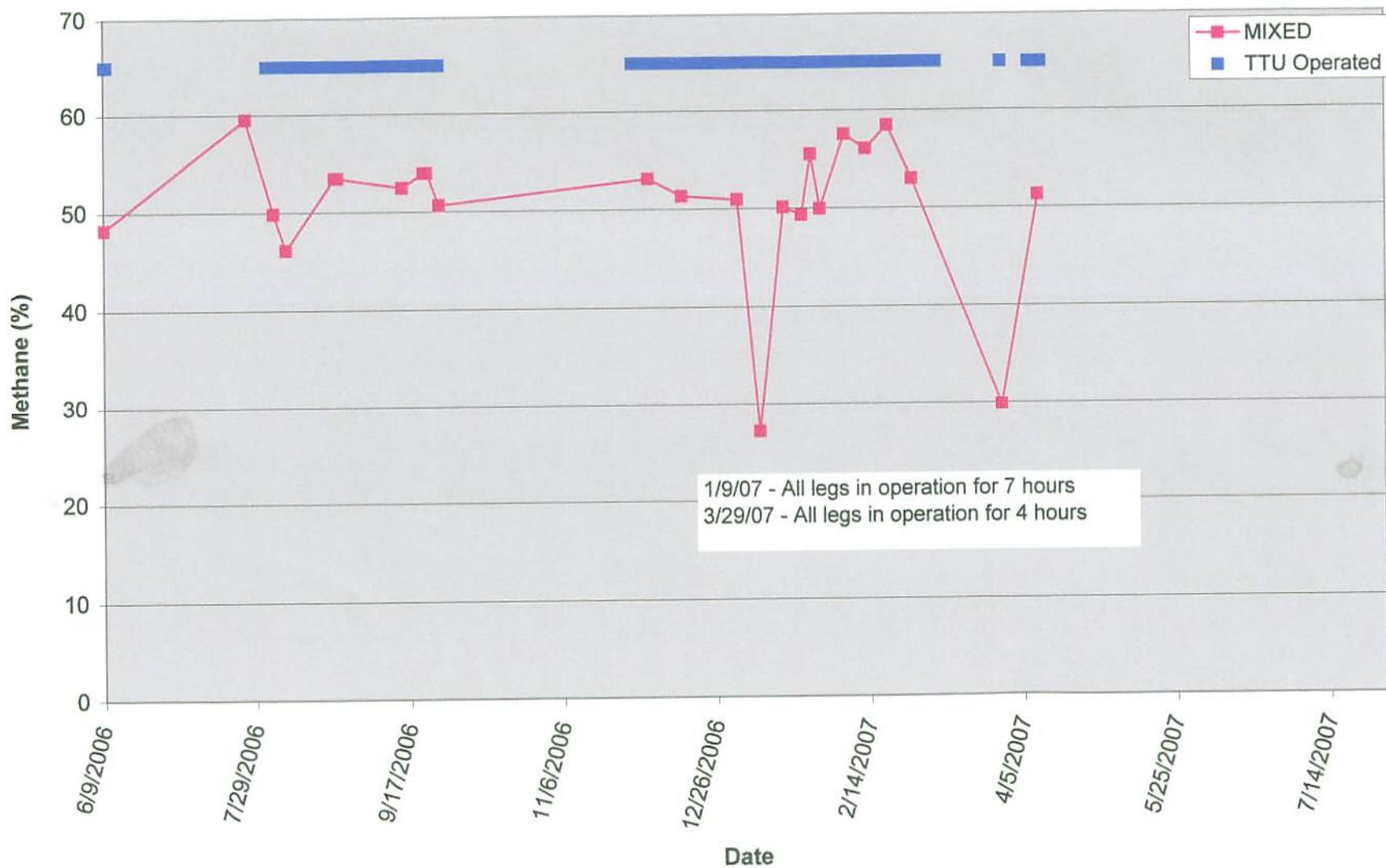




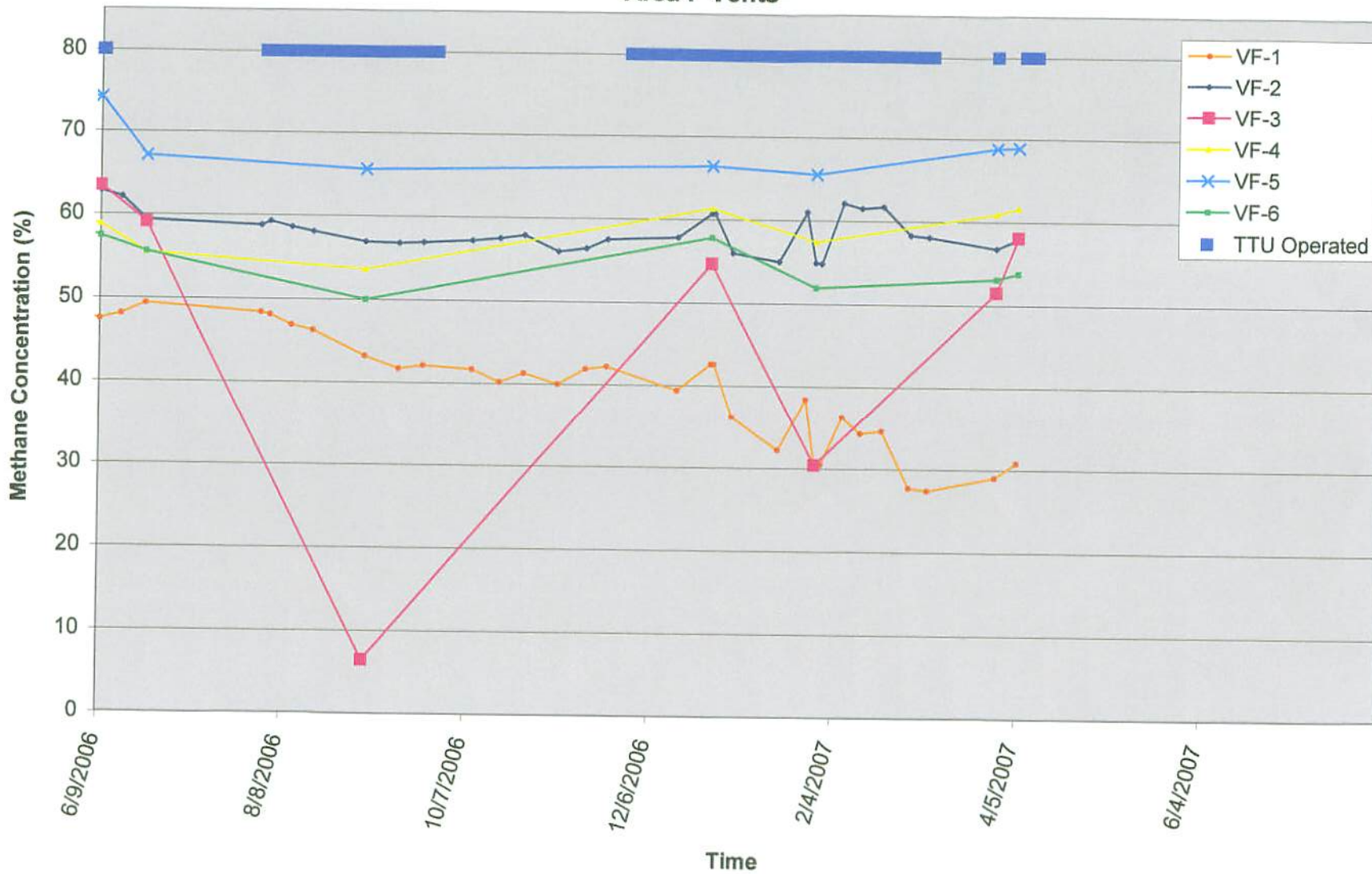
Methane Concentration vs. Time  
Interior Extraction Wells



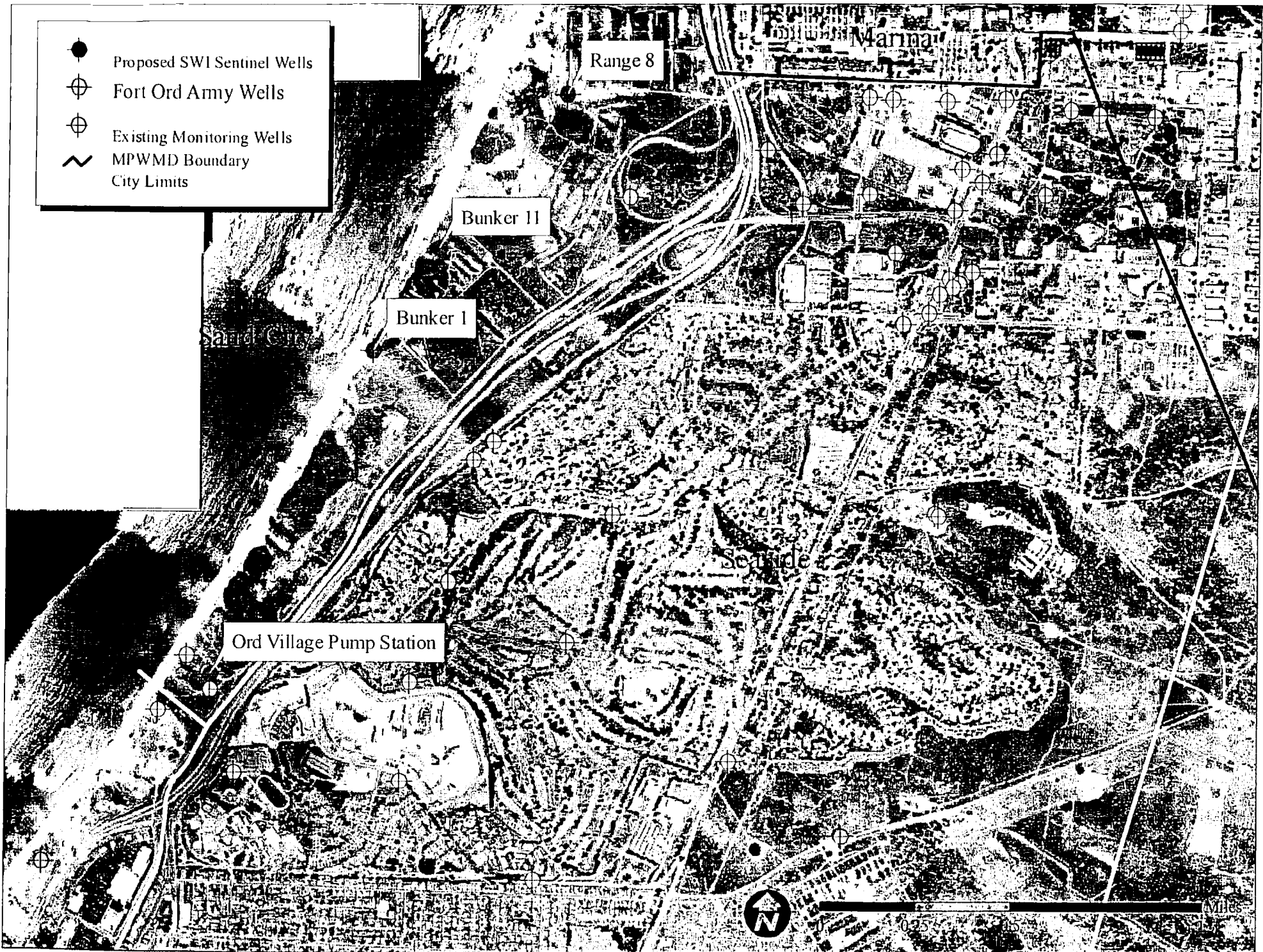
Methane Concentration vs. Time  
Mixed Port at TTU



Methane Concentration vs. Time  
Area F Vents



- Proposed SWI Sentinel Wells
- ⊕ Fort Ord Army Wells
- ⊕ Existing Monitoring Wells
- ~ MPWMD Boundary
- City Limits














Monterey Bay

MARINA

Legend





Fort Ord Wells

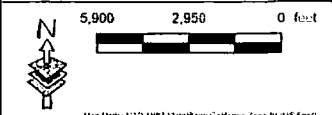
well type

-  Destroyed Well
-  Remediation Extraction Well
-  Remediation Infiltration Well
-  Remediation Injection Well
-  Monitoring Well
-  Water Supply Well
-  Water Supply Well
-  Piezometer
-  Multiple-Port (Westbay) Well
-  Water Supply Well
-  ACWD

Groundwater Protection Zones

ZONES

-  Prohibition
-  Consultation
-  Monterey County
-  Former Fort Ord boundary



FORMER FORT ORD  
MONTEREY, CALIFORNIA

PROJECT	DATE/REV
Jan 29, 2007 at 10:14 AM	Fort Ord MWP Database
DATE PUBLISHED	SCALE
2010 Ten Resolution Color	As Shown on Map
PREPARED BY	
Carl A. Stabel@usace.army.mil	
TITLE	Groundwater (09-1)

## HGL AGENDA

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

1. Groundwater Remediation Project Update
  - HCPP System operation update.
2. Quarterly LTM
  - Received 4<sup>th</sup> Quarter 2006 data back from validation. 4<sup>th</sup> Quarter and Annual 2006 Groundwater Monitoring Report in preparation.
  - HGL personnel conducting 42 week HCPP groundwater sampling during week of 16 April 2007.
  - Received preliminary groundwater data for 1<sup>st</sup> quarter 2007 sampling. Will be submitted to validation after receipt of final data.
3. Other Submittals
  - Draft 6-Month HCPP Evaluation Report was submitted on 30 March 2006 in accordance with FFA schedule.
4. FONR Construction
  - Redesign drawings in preparation for submittal with RFP.
  - Construction start scheduled for 01 June 2007, unless FONR T&E species issues cause delay.

Date	Influent TCE Concentration (µg/L)	Volume Treated (gal)	Mass Removed (lb)
6/27/06-7/1/06	12.00	190,000	0.02
7/2/06-7/12/06	3.80	781,680	0.02
7/13/06-7/19/06	4.80	425,980	0.02
7/20/06-7/26/06	3.90	371,170	0.17
7/27/06-11/6/06	6.00	5,375,480	0.27
11/7/06-1/29/07	3.70	3,636,020	0.11
1/30/07-3/12/07	2.90	2,351,090	0.06
3/13/07-4/4/07	2.00	1,183,320	0.02
<b>Total Volume Pumped (gal)</b>			<b>14,314,740</b>
<b>Total Mass Removed (lb)</b>			<b>0.69</b>
<b>Average Pumping Rate (gpm)</b>			<b>37.03</b>

