Previous

Sample Location	Sample Date	Sample Depth (feet)	Concentration (µg/L)[1]	Qualifier
S04-DGS-DP47	10/8/2001	20 - 22	0.5	U
S04-DGS-DP47	10/8/2001	35 - 37	0.5	U
S04-DGS-DP47	10/8/2001	48 - 50	0.5	U
S04-DGS-DP47	10/8/2001	60 - 62	0.5	U
S04-DGS-DP48	10/8/2001	20 - 22	0.5	U
S04-DGS-DP48	10/8/2001	35 - 37	0.5	U
S04-DGS-DP48	10/8/2001	48 - 50	0.5	U
S04-DGS-DP48	10/8/2001	60 - 62	0.5	U
S04-DGS-VE01	8/6/2001	8 - 10	1	U
S04-DGS-VE02	8/7/2001	5 - 6	1	U
S04-DGS-VE03	8/21/2001	7	1	U
S11-DGS-DP01	8/1/2001	5 - 7	1	U
S11-DGS-DP102	8/27/2001	10	3.4	
S11-DGS-DP102	8/27/2001	25	1	U
S11-DGS-DP102	8/27/2001	50	1	U
S11-DGS-DP104	8/28/2001	10 - 12	1	U
S11-DGS-DP104	8/28/2001	25 - 27	1	U
S11-DGS-DP104	8/28/2001	50 - 52	1	U
S11-DGS-DP105	8/24/2001	10	1	U
S11-DGS-DP105	8/24/2001	25	1	U
S11-DGS-DP105	8/24/2001	50	1	U
S11-DGS-DP107	8/24/2001	10	1	U
S11-DGS-DP107	8/24/2001	25	1	U
S11-DGS-DP107	8/24/2001	50	1	U
S11-DGS-DP108	8/30/2001	10	20	U
S11-DGS-DP108	8/30/2001	25	1	U
S11-DGS-DP108	8/30/2001	50	1	U
S11-DGS-HA01	7/25/2001	9 - 14	1	U
S11-DGS-HA02	7/26/2001	8 - 9.5	1	U
S11-DGS-HA03	7/26/2001	8 - 9.5	1	U
S21-DGS-DP02	7/18/2001	15 - 17	1	U
S21-DGS-DP02	7/18/2001	20 - 22	1	U
S21-DGS-DP02	7/18/2001	30 - 32	1	U
S21-DGS-DP02	7/18/2001	40 - 42	1	U
S21-DGS-DP02	7/18/2001	50 - 52	1	U
S21-DGS-DP03	9/12/2001	8 - 10	5	UJ
S21-DGS-DP03	7/31/2001	15 - 17	1	U
S21-DGS-DP03	9/12/2001	15 - 17	5	UJ
S21-DGS-DP03	7/31/2001	20 - 22	1	U
S21-DGS-DP03	7/31/2001	30 - 32	1	U
S21-DGS-DP03	8/1/2001	40 - 42	1	U
S21-DGS-DP04	7/20/2001	15	1	U
S21-DGS-DP04	7/20/2001	20	1	U
S21-DGS-DP04	7/20/2001	30	1	U
S21-DGS-DP04	7/20/2001	45	1	U
S21-DGS-DP05	7/31/2001	7 - 9	1	U
S21-DGS-DP05	7/31/2001	12 - 14	1	U
S21-DGS-DP06	7/31/2001	5 - 7	1	U
S21-DGS-DP06	7/31/2001	10 - 12	1	U
S21-DGS-DP06	8/9/2001	15	1	U
S21-DGS-DP06	8/9/2001	20	1	U
S21-DGS-DP07	7/31/2001	5 - 7	10	U
S21-DGS-DP101	8/29/2001	10 - 12	1	U
S21-DGS-DP101	8/29/2001	25 - 27	1	U
S21-DGS-DP101	8/29/2001	50 - 52	1	U
S21-DGS-DP102	8/29/2001	10 - 12	1	U
S21-DGS-DP102	8/29/2001	25 - 27	1	U
S21-DGS-DP102	8/29/2001	50 - 52	1	U
S21-DGS-DP103	8/27/2001	10	1	U
S21-DGS-DP103	8/27/2001	25	1	U
S21-DGS-DP103	8/27/2001	50	1	U
S21-DGS-DP105	8/28/2001	10 - 12	1	U
S21-DGS-DP105	8/28/2001	25 - 27	1	U
S21-DGS-DP105	8/28/2001	50 - 52	1	U
S21-DGS-DP106	8/30/2001	10	1	U
S21-DGS-DP106	8/30/2001	25	1	U
S21-DGS-DP106	8/30/2001	50	1	U
S21-DGS-DP11	8/16/2001	15	1	U
S21-DGS-DP11	8/16/2001	20	1	U
S21-DGS-DP11	8/16/2001	30	1	U
S21-DGS-DP11	8/16/2001	40	1	U
S21-DGS-DP11	8/16/2001	50	1	U
S21-DGS-DP12	8/9/2001	9	1	U
S21-DGS-DP12	8/9/2001	15	1	U
S21-DGS-DP12	8/9/2001	25	1	U
S21-DGS-DP13	8/17/2001	9 - 11	1	U
S21-DGS-DP13	8/17/2001	16 - 18	1	U
S21-DGS-DP14	8/20/2001	9 - 11	1	U
S21-DGS-DP14	8/20/2001	17 - 19	1	U
S21-DGS-DP14	8/20/2001	25 - 27	1	U
S21-DGS-DP15	8/22/2001	15	1	U
S21-DGS-DP16	8/24/2001	8 - 10	1	U
S21-DGS-DP16	8/24/2001	15 - 17	1	U
S21-DGS-DP16	8/24/2001	20 - 22	1	U
S21-DGS-DP17	9/4/2001	9 - 11	1	U
S21-DGS-DP17	9/4/2001	14 - 16	1	U
S21-DGS-DP18	9/12/2001	8 - 10	5	UJ
S21-DGS-DP18	9/12/2001	15 - 17	5	UJ
S21-DGS-DP18	9/12/2001	20 - 22	5	UJ
S21-DGS-DP19	9/12/2001	14 - 16	5	UJ
S21-DGS-VE01	8/7/2001	8 - 9	1	U
S21-DGS-VE02	8/7/2001	8.5 - 9.2	10	U
S21-DGS-VE03	8/21/2001	6.5	10	U
WA-8	6/20/2002		2	U
WA-8	9/6/2002		2	U
WA-8	12/9/2002		2	U

SAMPLING LOCATION
Red = Exceeds Screening Level[2]
Blue = Below Screening Level

- Direct-Push
- Geo-probe
- Hand Auger
- Monitoring Well
- Soil Boring
- Vacuum extraction
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- INDUSTRIAL WASTE LINE
- FUEL LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- OPERABLE UNIT 2B BOUNDARY
- CERCLA SITE BOUNDARY

BUILDING

- Present
- Removed
- LAND COVER
- WATER

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
J = Estimated
U = Not Detected
Concentrations are presented in micrograms per liter (mg/L).

[1]Bold denotes "exceeds screening level."
[2]Risk based screening level is 6.0 µg/L (based on 1E-06).

100 0 100 200 Feet

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FIGURE 9-38 (4 OF 4)
OU-2B CONCENTRATIONS OF NAPHTHALENE IN GROUNDWATER
Operable Unit 2B
Remedial Investigation Report

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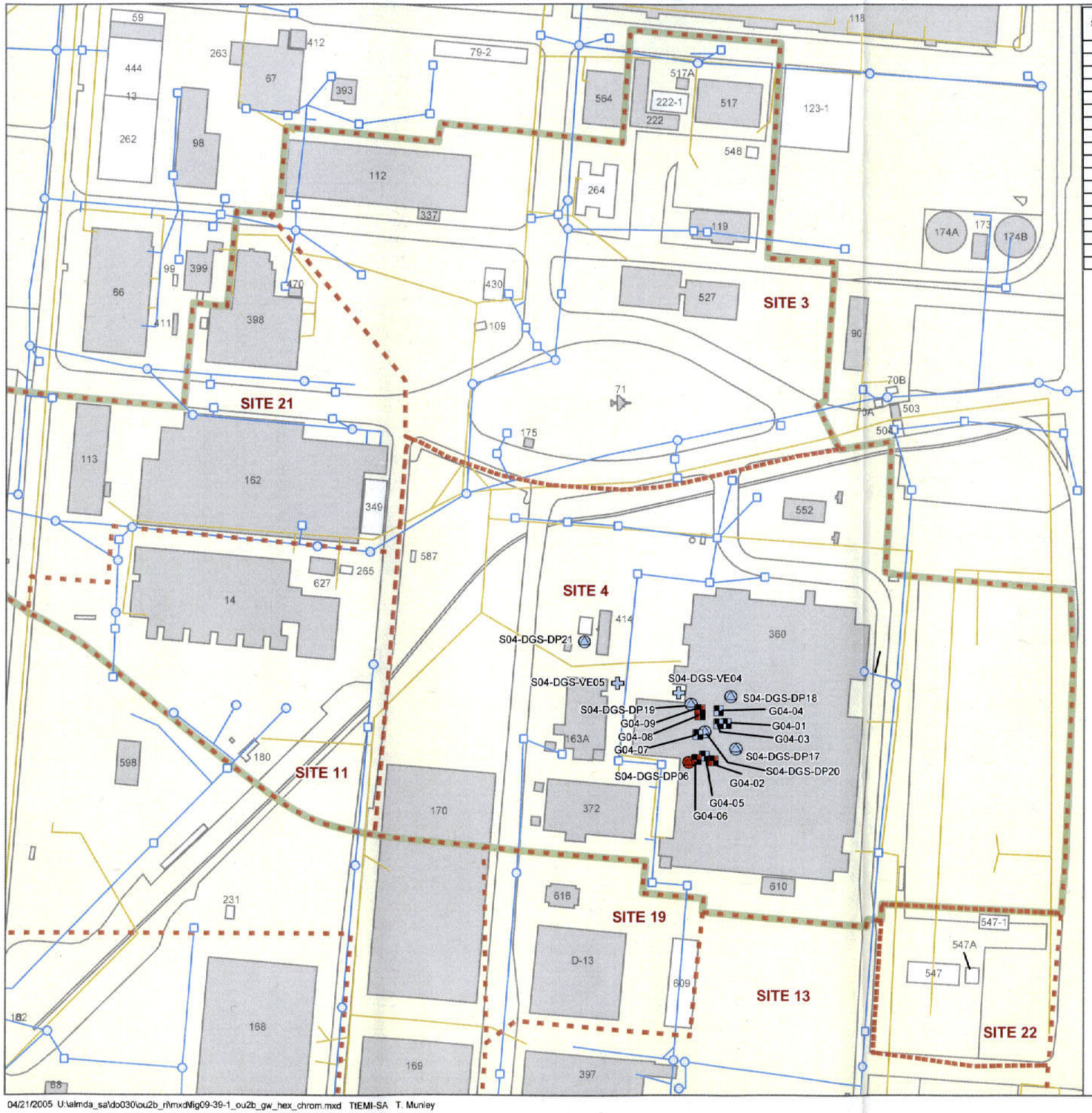

Sample Location	Sample Depth (feet)	Concentration (µg/L)[1]	Qualifier
G04-01	0	100	U
G04-02	0	**1020**	J
G04-03	0	200	U
G04-04	0	48.5	J
G04-05	0	200	U
G04-06	0	**493**	J
G04-07	0	400	U
G04-08	0	**660**	J
G04-09	0	**147**	J
S04-DGS-DP06	8	**190**	J
S04-DGS-DP17	6	10	U
S04-DGS-DP18	7	10	U
S04-DGS-DP19	8	10	U
S04-DGS-DP20	7	10	U
S04-DGS-DP21	7	10	U
S04-DGS-DP21	12	10	UJ
S04-DGS-VE04	7	10	UJ
S04-DGS-VE05	7	10	UJ

SAMPLING LOCATION
Red = Exceeds Screening Level[2]
Blue = Below Screening Level

- Direct Push
- Surface Location
- Vacuum Extraction
- CATCH BASIN
- MANHOLE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CERCLA SITE BOUNDARY
- OU-2B BOUNDARY

BUILDING
- Present
- Removed
- LAND COVER
- WATER

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
J = Estimated

[1]Bold denotes "exceeds screening level"
[2]Screening level based on maximum ambient concentration of 110 µg/L.

100 0 100 200 Feet

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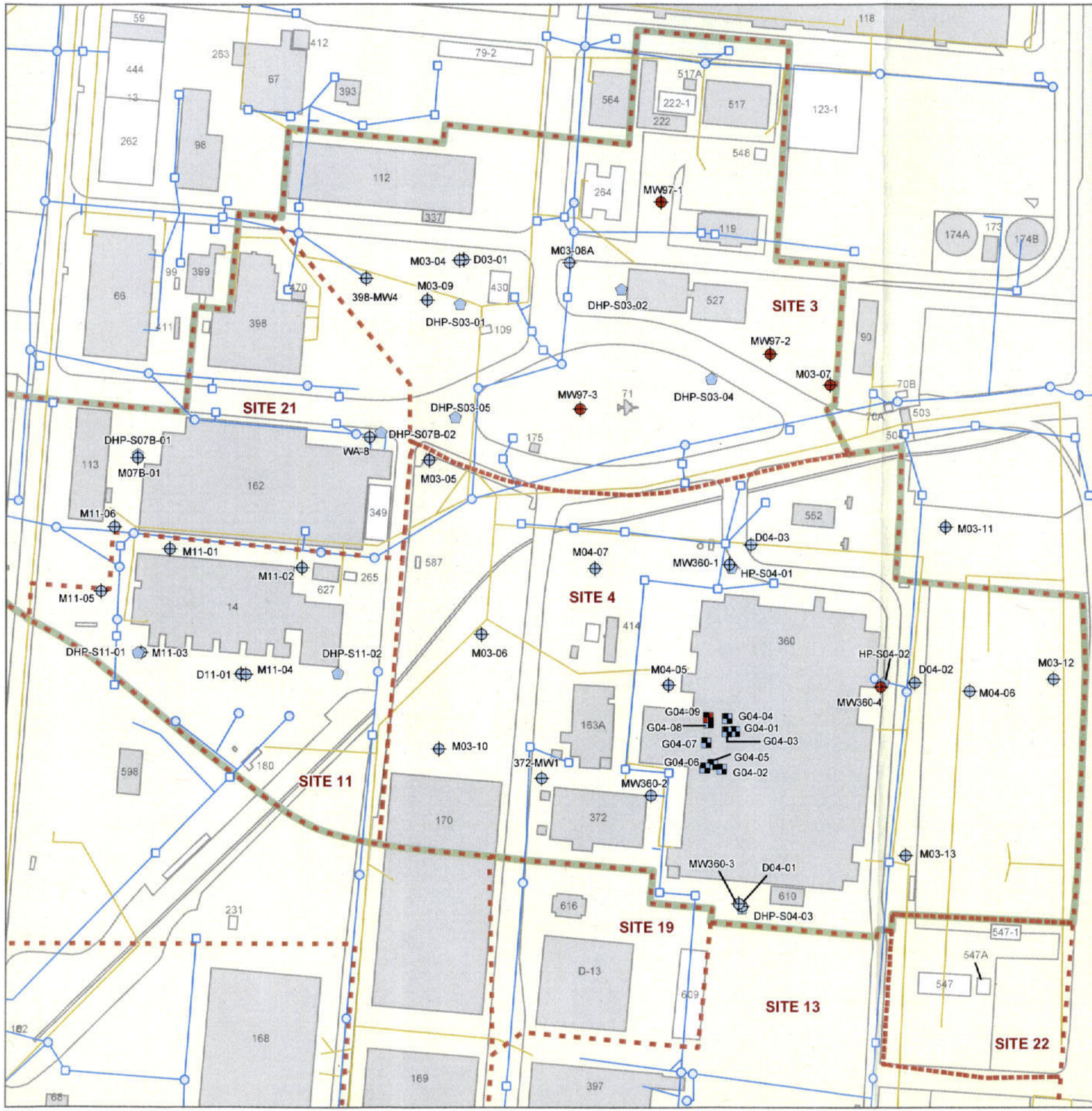
FIGURE 9- 39
OU-2B CONCENTRATIONS OF HEXAVALENT CHROMIUM IN GROUNDWATER

Operable Unit 2B
Remedial Investigation Report

04/21/2005 U:\alameda_sa\do030\ou2b_ri\mxd\fig09-39-1_ou2b_gw_hex_chrom.mxd TtEMI-SA T. Munley



Sample Location	Sample Date	Sample Depth (feet)	Concentration (µg/L)	Qualifier
372-MW1	7/11/2002	0.0	100	U
398-MW4	6/20/2002	0.0	1,200	
398-MW4	12/10/2002	0.0	1,800	
D03-01	12/14/1994	0.0	18	U
D03-01	2/16/1995	0.0	13.4	U
D03-01	6/8/1995	0.0	54.6	UJ
D03-01	8/4/1995	0.0	33.6	UJ
D03-01	7/3/2002	0.0	2,000	
D03-01	12/10/2002	0.0	2,600	
D04-01	7/1/1994	0.0	11,600	
D04-01	9/27/1994	0.0	14,400	
D04-01	1/24/1995	0.0	8,850	
D04-01	5/3/1995	0.0	2,720	
D04-01	5/13/1998	0.0	83	U
D04-01	8/5/1998	0.0	12.5	U
D04-01	7/3/2002	0.0	10,000	
D04-01	12/10/2002	0.0	10,000	
D04-02	3/9/1995	0.0	445	J
D04-02	5/3/1995	0.0	8,060	
D04-02	11/14/1997	0.0	7,800	
D04-02	2/4/1998	0.0	5,690	J
D04-02	5/8/1998	0.0	8.3	U
D04-02	8/5/1998	0.0	757	
D04-02	7/3/2002	0.0	11,000	
D04-02	12/10/2002	0.0	15,000	
D04-03	3/9/1995	0.0	1,730	J
D04-03	5/10/1995	0.0	4,030	
D04-03	11/14/1997	0.0	12,500	
D04-03	2/4/1998	0.0	4,590	J
D04-03	5/6/1998	0.0	6,510	
D04-03	8/5/1998	0.0	15,000	
D04-03	7/3/2002	0.0	17,000	
D04-03	12/10/2002	0.0	17,000	
D11-01	3/8/1995	0.0	13.4	U
D11-01	6/22/1995	0.0	6.4	U
D11-01	9/19/1995	0.0	335	
D11-01	7/8/2002	0.0	110	
D11-01	12/10/2002	0.0	1,500	
DHP-S03-01	9/6/1994	31.3-31.4	7,760	J
DHP-S03-02	8/5/1994	34.0	10,500	
DHP-S03-04	8/5/1994	22.0	3,570	
DHP-S03-05	8/31/1994	19.0-22.0	1,900	J
DHP-S04-03	2/10/1994	19.0	30.5	UJ
DHP-S07B-01	8/4/1994	28.5	6,090	
DHP-S07B-02	8/4/1994	26.3	8,490	
DHP-S11-01	8/3/1994	24.0	1,110	
DHP-S11-02	8/3/1994	24.8	394	J
G04-01	9/9/1991	0.0	121	
G04-02	9/9/1991	0.0	51.5	
G04-03	9/9/1991	0.0	34.7	
G04-04	9/6/1991	0.0	158	
G04-05	9/9/1991	0.0	581	
G04-06	9/9/1991	0.0	50.6	
G04-07	9/10/1991	0.0	120	
G04-08	9/10/1991	0.0	30.9	
G04-09	9/9/1991	0.0	**41,400**	
HP-S04-01	2/14/1994	20.0	51.8	J
HP-S04-02	2/14/1994	20.0	60.7	J
M03-04	12/15/1994	0.0	79.3	J
M03-04	2/7/1995	0.0	540	
M03-04	6/9/1995	0.0	2,360	
M03-04	8/4/1995	0.0	2,800	
M03-04	11/3/1997	0.0	891	J
M03-04	2/10/1998	0.0	12,100	
M03-04	5/11/1998	0.0	2,810	
M03-04	8/4/1998	0.0	429	
M03-04	6/20/2002	0.0	3,900	
M03-04	12/10/2002	0.0	6,900	
M03-05	12/8/1994	0.0	22.8	J
M03-05	2/7/1995	0.0	30.1	UJ
M03-05	6/7/1995	0.0	18.2	UJ
M03-05	8/1/1995	0.0	31.9	UJ
M03-05	11/3/1997	0.0	1,030	J
M03-05	2/6/1998	0.0	783	J
M03-05	5/11/1998	0.0	53.4	UJ
M03-05	8/4/1998	0.0	12.5	U
M03-05	7/3/2002	0.0	1,900	
M03-05	12/9/2002	0.0	1,400	
M03-06	12/8/1994	0.0	35.6	J
M03-06	2/7/1995	0.0	57.3	UJ
M03-06	6/5/1995	0.0	82	UJ
M03-06	8/2/1995	0.0	112	UJ
M03-06	7/3/2002	0.0	240	
M03-06	9/6/2002	0.0	110	
M03-06	12/11/2002	0.0	260	
M03-07	12/15/1994	0.0	733	
M03-07	2/8/1995	0.0	147	
M03-07	6/6/1995	0.0	125	
M03-07	8/2/1995	0.0	554	

SAMPLING LOCATION
Red = Exceeds Screening Level[2]
Blue = Below Screening Level

- Hydro-Punch
- Monitoring Well
- Surface Location
- CATCH BASIN
- MANHOLE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CERCLA SITE BOUNDARY
- OU-2B BOUNDARY

BUILDING
- Present
- Removed
- LAND COVER
- WATER

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
J = Estimated

[1]Concentrations are presented in micrograms per liter µg/L.
[2]Screening level based on maximum ambient concentration of 24,400 µg/L.

100 0 100 200 Feet

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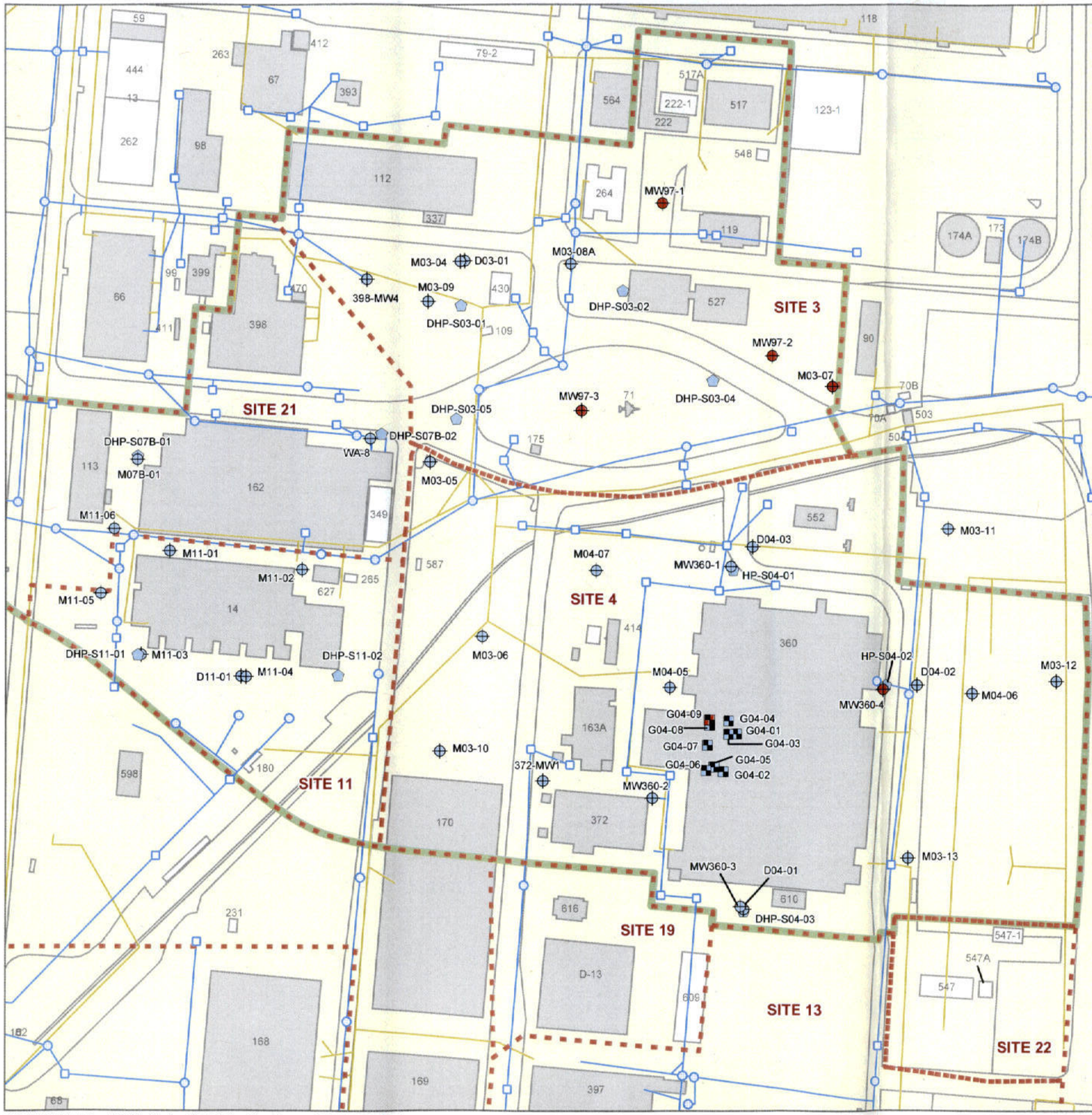
FIGURE 9-40 (1 OF 3)
OU-2B CONCENTRATIONS OF IRON IN GROUNDWATER

Operable Unit 2B
Remedial Investigation Report

04/21/2005 U:\almda_sa\do030\ou2b_ri\mxd\fig09-40-1_ou2b_gw_iron.mxd TtEMI-SA T. Munley



Sample Location	Sample Date	Sample Depth (feet)	Concentration (µg/L)	Qualifier
M03-07	11/3/1997	0.0	15,900	J
M03-07	2/6/1998	0.0	9,550	J
M03-07	5/11/1998	0.0	685	
M03-07	6/21/2002	0.0	8,700	
M03-07	**12/11/2002**	**0.0**	**28,000**	
M03-08A	12/9/1994	0.0	303	J
M03-08A	2/9/1995	0.0	106	
M03-08A	6/6/1995	0.0	138	
M03-08A	8/4/1995	0.0	24.5	UJ
M03-09	9/6/2002	0.0	1,900	
M03-09	12/13/2002	0.0	4,200	
M03-10	9/6/2002	0.0	20	U
M03-10	12/13/2002	0.0	43	U
M03-11	9/9/2002	0.0	200	
M03-11	12/13/2002	0.0	480	
M03-12	9/9/2002	0.0	91	J
M03-12	12/13/2002	0.0	70	U
M03-13	9/9/2002	0.0	63	J
M03-13	12/13/2002	0.0	380	U
M04-05	7/5/1994	0.0	176	
M04-05	9/26/1994	0.0	174	
M04-05	1/24/1995	0.0	357	UJ
M04-05	4/25/1995	0.0	27.7	U
M04-05	11/3/1997	0.0	5.6	UJ
M04-05	2/9/1998	0.0	8.4	U
M04-05	5/5/1998	0.0	166	
M04-05	8/4/1998	0.0	12.5	U
M04-05	6/21/2002	0.0	250	
M04-05	9/9/2002	0.0	190	
M04-05	12/9/2002	0.0	300	
M04-06	6/30/1994	0.0	103	UJ
M04-06	9/23/1994	0.0	127	UJ
M04-06	1/23/1995	0.0	112	UJ
M04-06	4/26/1995	0.0	27.7	U
M04-06	11/3/1997	0.0	54.7	J
M04-06	2/9/1998	0.0	950	
M04-06	5/6/1998	0.0	1,680	
M04-06	8/4/1998	0.0	337	
M04-06	6/21/2002	0.0	280	
M04-06	12/11/2002	0.0	410	
M04-07	7/6/1994	0.0	78.9	J
M04-07	9/27/1994	0.0	48.7	UJ
M04-07	1/25/1995	0.0	148	UJ
M04-07	4/24/1995	0.0	35.2	J
M04-07	11/3/1997	0.0	20.5	UJ
M04-07	2/9/1998	0.0	142	UJ
M04-07	5/5/1998	0.0	1,740	
M04-07	8/4/1998	0.0	24.2	J
M07B-01	8/21/1991	0.0	12.6	
M07B-01	11/1/1994	0.0	15.6	J
M07B-01	6/16/1995	0.0	51	UJ
M07B-01	8/23/1995	0.0	30.7	UJ
M07B-01	11/5/1997	0.0	5.6	U
M07B-01	2/13/1998	0.0	23.7	UJ
M07B-01	5/13/1998	0.0	247	
M07B-01	8/7/1998	0.0	12.5	U
M07B-01	6/20/2002	0.0	58	J
M07B-01	12/9/2002	0.0	300	
M11-01	8/22/1991	0.0	74.3	
M11-01	10/26/1994	0.0	318	
M11-01	2/14/1995	0.0	370	
M11-01	6/16/1995	0.0	291	
M11-01	8/23/1995	0.0	197	UJ
M11-01	11/5/1997	0.0	1,220	
M11-01	2/6/1998	0.0	123	UJ
M11-01	5/12/1998	0.0	508	
M11-01	8/7/1998	0.0	1,880	
M11-01	6/21/2002	0.0	1,100	
M11-01	12/9/2002	0.0	2,500	
M11-02	8/22/1991	0.0	310	
M11-02	10/26/1994	0.0	392	
M11-02	2/14/1995	0.0	69.6	UJ
M11-02	6/19/1995	0.0	51.6	UJ
M11-02	8/25/1995	0.0	186	UJ
M11-02	11/5/1997	0.0	12.2	UJ
M11-02	2/9/1998	0.0	8.4	U
M11-02	5/12/1998	0.0	8.3	U
M11-02	8/7/1998	0.0	12.5	U
M11-03	8/22/1991	0.0	39.7	
M11-03	11/1/1994	0.0	822	
M11-03	2/15/1995	0.0	377	
M11-03	6/19/1995	0.0	1,030	
M11-03	8/28/1995	0.0	854	J
M11-04	8/22/1991	0.0	6.6	
M11-04	11/4/1994	0.0	157	UJ
M11-04	2/15/1995	0.0	7.8	UJ
M11-04	6/19/1995	0.0	20.8	UJ
M11-04	8/25/1995	0.0	45.9	UJ
M11-04	6/20/2002	0.0	200	
M11-04	12/9/2002	0.0	270	

SAMPLING LOCATION
Red = Exceeds Screening Level[2]
Blue = Below Screening Level

- Hydro-Punch
- Monitoring Well
- Surface Location
- CATCH BASIN
- MANHOLE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CERCLA SITE BOUNDARY
- OU-2B BOUNDARY

BUILDING
- Present
- Removed
- LAND COVER
- WATER

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
J = Estimated

[1]Concentrations are presented in micrograms per liter µg/L.
[2]Screening level based on maximum ambient concentration of 24,400 µg/L.

100 0 100 200 Feet

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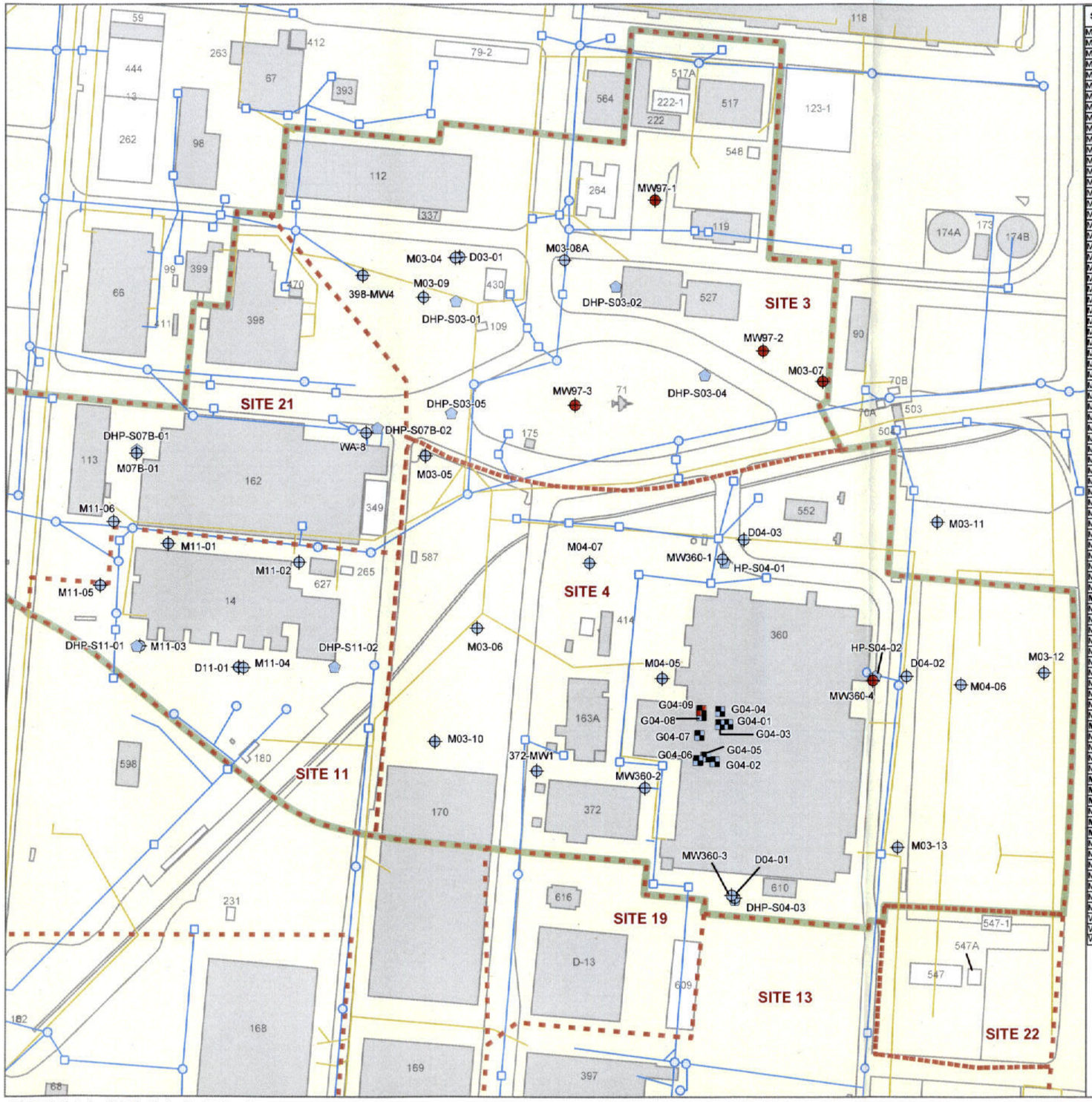
FIGURE 9-40 (2 OF 3)
OU-2B CONCENTRATIONS OF IRON IN GROUNDWATER

Operable Unit 2B
Remedial Investigation Report

04/21/2005 U:\almda_sa\do030\ou2b_ri\mxd\fig09-40-1_ou2b_gw_iron.mxd TtEMI-SA T. Munley



Sample Location	Sample Date	Sample Depth (feet)	Concentration (µg/L)	Qualifier
M11-05	10/26/1994	0.0	5,340	
M11-05	2/15/1995	0.0	891	
M11-05	6/19/1995	0.0	816	
M11-05	8/28/1995	0.0	364	J
M11-05	11/5/1997	0.0	2,480	
M11-05	2/6/1998	0.0	8.4	UJ
M11-05	5/12/1998	0.0	209	
M11-05	8/7/1998	0.0	682	
M11-05	6/20/2002	0.0	870	
M11-05	12/9/2002	0.0	8,400	
M11-06	11/29/1994	0.0	37.6	UJ
M11-06	2/16/1995	0.0	6.7	U
M11-06	6/19/1995	0.0	27.9	UJ
M11-06	8/29/1995	0.0	52.3	UJ
M11-06	11/5/1997	0.0	52.9	
M11-06	2/6/1998	0.0	8.4	UJ
M11-06	5/12/1998	0.0	237	
M11-06	8/7/1998	0.0	12.5	U
M11-06	6/20/2002	0.0	140	
M11-06	12/9/2002	0.0	270	
MW360-1	7/6/1994	0.0	133	
MW360-1	9/22/1994	0.0	270	
MW360-1	1/24/1995	0.0	147	UJ
MW360-1	4/24/1995	0.0	59.7	UJ
MW360-1	11/7/1997	0.0	5.6	U
MW360-1	2/9/1998	0.0	38.6	UJ
MW360-1	5/6/1998	0.0	4,230	
MW360-1	8/4/1998	0.0	12.5	U
MW360-1	6/19/2002	0.0	180	J
MW360-1	9/9/2002	0.0	30	U
MW360-1	12/10/2002	0.0	69	U
MW360-2	7/5/1994	0.0	232	
MW360-2	9/27/1994	0.0	252	
MW360-2	1/24/1995	0.0	298	UJ
MW360-2	4/24/1995	0.0	39.4	UJ
MW360-2	11/6/1997	0.0	9.8	UJ
MW360-2	2/9/1998	0.0	8.4	UJ
MW360-2	5/6/1998	0.0	8.3	U
MW360-2	8/4/1998	0.0	1,250	U
MW360-2	6/19/2002	0.0	1,900	
MW360-2	9/9/2002	0.0	3,100	
MW360-2	12/9/2002	0.0	3,200	
MW360-3	7/1/1994	0.0	317	
MW360-3	9/27/1994	0.0	344	
MW360-3	1/24/1995	0.0	331	UJ
MW360-3	4/21/1995	0.0	39.8	UJ
MW360-3	11/3/1997	0.0	5.6	UJ
MW360-3	2/9/1998	0.0	8.4	UJ
MW360-3	5/14/1998	0.0	3,520	J
MW360-3	8/5/1998	0.0	12.5	U
MW360-3	6/19/2002	0.0	79	J
MW360-3	9/9/2002	0.0	62	J
MW360-3	12/9/2002	0.0	120	
MW360-4	8/3/1990	0.0	**461,000**	
MW360-4	7/1/1994	0.0	139	
MW360-4	9/23/1994	0.0	164	
MW360-4	1/23/1995	0.0	167	UJ
MW360-4	4/25/1995	0.0	27.7	U
MW360-4	11/6/1997	0.0	162	
MW360-4	2/9/1998	0.0	18.8	UJ
MW360-4	5/6/1998	0.0	3,220	
MW360-4	8/5/1998	0.0	12.5	U
MW360-4	6/19/2002	0.0	52	J
MW360-4	9/9/2002	0.0	78	J
MW360-4	12/10/2002	0.0	61	U
MW97-1	8/30/1990	0.0	**95,000**	
MW97-1	10/14/1994	0.0	348	
MW97-1	2/7/1995	0.0	242	
MW97-1	6/8/1995	0.0	141	UJ
MW97-1	7/31/1995	0.0	141	
MW97-2	8/31/1990	0.0	**67,000**	
MW97-2	10/18/1994	0.0	**26,500**	
MW97-2	2/8/1995	0.0	**51,100**	
MW97-2	6/6/1995	0.0	11,400	
MW97-2	8/1/1995	0.0	**25,000**	
MW97-3	10/18/1990	0.0	**54,000**	
MW97-3	10/14/1994	0.0	17.6	UJ
MW97-3	2/7/1995	0.0	36.7	UJ
MW97-3	6/9/1995	0.0	29.6	UJ
MW97-3	8/2/1995	0.0	28	UJ
MW97-3	7/3/2002	0.0	390	
MW97-3	9/6/2002	0.0	230	
MW97-3	12/10/2002	0.0	470	
WA-8	9/4/1991	0.0	169	
WA-8	6/20/2002	0.0	4,000	
WA-8	12/9/2002	0.0	2,200	

SAMPLING LOCATION
Red = Exceeds Screening Level[2]
Blue = Below Screening Level

- Hydro-Punch
- Monitoring Well
- Surface Location
- CATCH BASIN
- MANHOLE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CERCLA SITE BOUNDARY
- OU-2B BOUNDARY

BUILDING
- Present
- Removed
- LAND COVER
- WATER

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
J = Estimated

[1]Concentrations are presented in micrograms per liter µg/L.
[2]Screening level based on maximum ambient concentration of 24,400 µg/L.

100 0 100 200 Feet

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FIGURE 9-40 (3 OF 3)
OU-2B CONCENTRATIONS OF IRON IN GROUNDWATER

Operable Unit 2B
Remedial Investigation Report

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Sample Location	Sampling Date	Sample Depth (feet)	Concentration[1] (ug/L)	Qualifier
372-MW1	7/11/2002	2.5 - 12.5	22	
398-MW4	6/20/2002	2.85 - 12.85	520	J
398-MW4	12/10/2002	2.85 - 12.85	650	
D03-01	12/14/1994	49.5 - 59.5	**12400**	
D03-01	2/16/1995	49.5 - 59.5	**11700**	
D03-01	6/8/1995	49.5 - 59.5	**12100**	
D03-01	8/4/1995	49.5 - 59.5	**13500**	
D03-01	7/3/2002	49.5 - 59.5	**13000**	
D03-01	12/10/2002	49.5 - 59.5	**16000**	
D04-01	7/1/1994	86 - 96	**8100**	J
D04-01	9/27/1994	86 - 96	**17400**	
D04-01	1/24/1995	86 - 96	**15800**	
D04-01	5/3/1995	86 - 96	**16700**	
D04-01	5/13/1998	86 - 96	920	
D04-01	8/5/1998	86 - 96	1460	
D04-01	7/3/2002	86 - 96	**23000**	
D04-01	12/10/2002	86 - 96	**26000**	
D04-02	3/9/1995	86.5 - 96.5	1370	J
D04-02	5/3/1995	86.5 - 96.5	**19900**	
D04-02	11/14/1997	86.5 - 96.5	**19800**	
D04-02	2/4/1998	86.5 - 96.5	**18700**	
D04-02	5/8/1998	86.5 - 96.5	**3000**	
D04-02	8/5/1998	86.5 - 96.5	**8610**	
D04-02	7/3/2002	86.5 - 96.5	**16000**	
D04-02	12/10/2002	86.5 - 96.5	**17000**	
D04-03	3/9/1995	84 - 94	**4580**	J
D04-03	5/10/1995	84 - 94	**12100**	
D04-03	11/14/1997	84 - 94	**29400**	
D04-03	2/4/1998	84 - 94	**24900**	
D04-03	5/6/1998	84 - 94	**28400**	
D04-03	8/5/1998	84 - 94	**28400**	
D04-03	7/3/2002	84 - 94	**25000**	
D04-03	12/10/2002	84 - 94	**26000**	
D11-01	3/8/1995	50 - 60	**20600**	
D11-01	6/22/1995	50 - 60	**12600**	
D11-01	9/19/1995	50 - 60	**22200**	
D11-01	7/8/2002	50 - 60	**21000**	
D11-01	12/10/2002	50 - 60	**25000**	
DHP-S03-01	9/6/1994	31.3 -	**4640**	
DHP-S03-02	8/5/1994	34 -	**4120**	
DHP-S03-04	8/5/1994	22 -	203	
DHP-S03-05	8/31/1994	19 -	**4160**	J
DHP-S04-03	2/10/1994	19 -	**3180**	
DHP-S07B-01	8/4/1994	28.5 -	**7240**	
DHP-S07B-02	8/4/1994	26.3 -	**4370**	
DHP-S11-01	8/3/1994	24 -	13	J
DHP-S11-02	8/3/1994	24.8 -	15.8	J
G04-01	9/9/1991	0 -	1820	
G04-02	9/9/1991	0 -	169	
G04-03	9/9/1991	0 -	1270	
G04-04	9/6/1991	0 -	723	
G04-05	9/9/1991	0 -	85.6	
G04-06	9/9/1991	0 -	31.5	
G04-07	9/10/1991	0 -	216	
G04-08	9/10/1991	0 -	190	
G04-09	9/9/1991	0 -	**2900**	
HP-S04-01	2/14/1994	20 -	298	
HP-S04-02	2/14/1994	20 -	475	
M03-04	12/15/1994	3 - 11	200	
M03-04	2/7/1995	3 - 11	1450	
M03-04	6/9/1995	3 - 11	993	
M03-04	8/4/1995	3 - 11	883	
M03-04	11/3/1997	3 - 11	441	
M03-04	2/10/1998	3 - 11	668	
M03-04	5/11/1998	3 - 11	1420	
M03-04	8/4/1998	3 - 11	1000	
M03-04	6/20/2002	3 - 11	810	J
M03-04	12/10/2002	3 - 11	870	
M03-05	12/8/1994	3 - 13	301	
M03-05	2/7/1995	3 - 13	410	
M03-05	6/7/1995	3 - 13	189	
M03-05	8/1/1995	3 - 13	225	
M03-05	11/3/1997	3 - 13	525	
M03-05	2/6/1998	3 - 13	279	
M03-05	5/11/1998	3 - 13	239	
M03-05	8/4/1998	3 - 13	363	
M03-05	7/3/2002	3 - 13	740	
M03-05	12/9/2002	3 - 13	530	
M03-06	12/8/1994	3 - 12	30.8	
M03-06	2/7/1995	3 - 12	43.1	
M03-06	6/5/1995	3 - 12	54.2	
M03-06	8/2/1995	3 - 12	65.5	J
M03-06	7/3/2002	3 - 12	70	
M03-06	9/6/2002	3 - 12	43	
M03-06	12/11/2002	3 - 12	47	
M03-07	12/15/1994	3 - 13	1460	
M03-07	2/8/1995	3 - 13	232	
M03-07	6/6/1995	3 - 13	187	
M03-07	8/2/1995	3 - 13	197	

SAMPLING LOCATION
Red = Exceeds Screening Level[2]
Blue = Below Screening Level

- Direct-Push
- Monitoring Well
- Surface Location
- CATCH BASIN
- MANHOLE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CERCLA SITE BOUNDARY
- OU-2B BOUNDARY

BUILDING
- Present
- Removed
- LAND COVER
- WATER

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
J = Estimated

[1]Concentrations are presented in micrograms per liter (µg/L).
[2]Screening level based on maximum ambient concentration of 2,480 µg/L.

100 0 100 200 Feet

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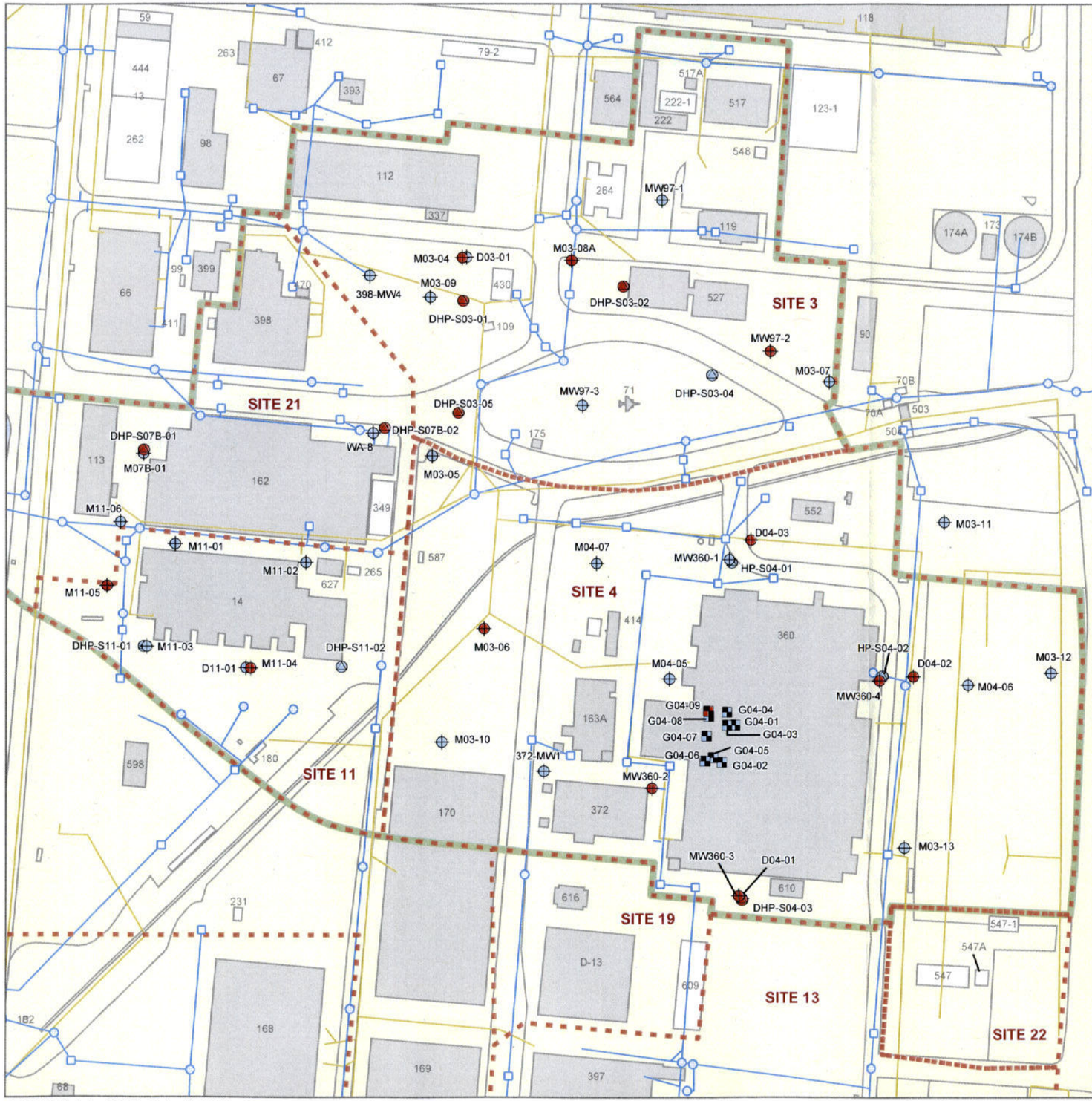
Department of the Navy, BRAC PMO West, San Diego, California

FIGURE 9-41 (1 OF 3)
OU-2B CONCENTRATIONS OF MANGANESE IN GROUNDWATER

Operable Unit 2B
Remedial Investigation Report

04/21/2005 U:\almda_sa\do030\ou2b_ri\mxd\fig09-41-1_ou2b_gw_manganese.mxd TtEMI-SA T. Munley



Sample Location	Sampling Date	Sample Depth (feet)	Concentration[1] (ug/L)	Qualifier
M03-07	11/3/1997	3 - 13	263	
M03-07	2/6/1998	3 - 13	149	
M03-07	5/11/1998	3 - 13	96.9	
M03-07	6/21/2002	3 - 13	170	
M03-07	12/11/2002	3 - 13	280	
M03-08A	12/9/1994	3 - 13	2340	
M03-08A	2/9/1995	3 - 13	**2730**	
M03-08A	6/6/1995	3 - 13	**2590**	
M03-08A	8/4/1995	3 - 13	**2940**	
M03-09	9/6/2002	21 - 33	**2800**	
M03-09	12/13/2002	21 - 33	**3400**	
M03-10	9/6/2002	28 - 38	9.3	J
M03-10	12/13/2002	28 - 38	0.82	
M03-11	9/9/2002	26 - 36	140	
M03-11	12/13/2002	26 - 36	340	
M03-12	9/9/2002	26 - 36	1200	
M03-12	12/13/2002	26 - 36	12	
M03-13	9/9/2002	26.5 - 36.5	350	
M03-13	12/13/2002	26.5 - 36.5	570	
M04-05	7/5/1994	3.5 - 13.5	55.1	
M04-05	9/26/1994	3.5 - 13.5	49.2	
M04-05	1/24/1995	3.5 - 13.5	7.5	J
M04-05	4/25/1995	3.5 - 13.5	5.6	UJ
M04-05	11/3/1997	3.5 - 13.5	5.3	UJ
M04-05	2/9/1998	3.5 - 13.5	0.25	U
M04-05	5/5/1998	3.5 - 13.5	3.9	J
M04-05	8/4/1998	3.5 - 13.5	7.5	J
M04-05	6/21/2002	3.5 - 13.5	9.8	J
M04-05	9/9/2002	3.5 - 13.5	8.9	J
M04-05	12/9/2002	3.5 - 13.5	12	
M04-06	6/30/1994	3.5 - 13.5	99.5	J
M04-06	9/23/1994	3.5 - 13.5	115	
M04-06	1/23/1995	3.5 - 13.5	81.7	
M04-06	4/26/1995	3.5 - 13.5	69	
M04-06	11/3/1997	3.5 - 13.5	50.9	
M04-06	2/9/1998	3.5 - 13.5	57.7	
M04-06	5/6/1998	3.5 - 13.5	20	
M04-06	8/4/1998	3.5 - 13.5	16.6	
M04-06	6/21/2002	3.5 - 13.5	440	
M04-06	12/11/2002	3.5 - 13.5	860	
M04-07	7/6/1994	3.5 - 13.5	17.1	
M04-07	9/27/1994	3.5 - 13.5	12	J
M04-07	1/25/1995	3.5 - 13.5	1.8	J
M04-07	4/24/1995	3.5 - 13.5	6.7	UJ
M04-07	11/3/1997	3.5 - 13.5	39.2	
M04-07	2/9/1998	3.5 - 13.5	2.4	UJ
M04-07	5/5/1998	3.5 - 13.5	18.3	
M04-07	8/4/1998	3.5 - 13.5	11.3	J
M07B-01	8/21/1991	4 - 11	98.2	
M07B-01	11/1/1994	4 - 11	333	
M07B-01	6/16/1995	4 - 11	107	
M07B-01	8/23/1995	4 - 11	196	
M07B-01	11/5/1997	4 - 11	263	
M07B-01	2/13/1998	4 - 11	1.5	UJ
M07B-01	5/13/1998	4 - 11	9.9	
M07B-01	8/7/1998	4 - 11	77.6	
M07B-01	6/20/2002	4 - 11	92	J
M07B-01	12/9/2002	4 - 11	190	
M11-01	8/22/1991	4 - 9.5	145	
M11-01	10/26/1994	4 - 9.5	282	
M11-01	2/14/1995	4 - 9.5	489	
M11-01	6/16/1995	4 - 9.5	381	
M11-01	8/23/1995	4 - 9.5	397	
M11-01	11/5/1997	4 - 9.5	455	
M11-01	2/6/1998	4 - 9.5	716	
M11-01	5/12/1998	4 - 9.5	694	
M11-01	8/7/1998	4 - 9.5	713	
M11-01	6/21/2002	4 - 9.5	880	
M11-01	12/9/2002	4 - 9.5	520	
M11-02	8/22/1991	4 - 9.5	315	
M11-02	10/26/1994	4 - 9.5	301	
M11-02	2/14/1995	4 - 9.5	151	
M11-02	6/19/1995	4 - 9.5	170	
M11-02	8/25/1995	4 - 9.5	312	
M11-02	11/5/1997	4 - 9.5	373	
M11-02	2/9/1998	4 - 9.5	0.86	UJ
M11-02	5/12/1998	4 - 9.5	69.4	
M11-02	8/7/1998	4 - 9.5	26.6	
M11-03	8/22/1991	4 - 9.5	226	
M11-03	11/1/1994	4 - 9.5	554	
M11-03	2/15/1995	4 - 9.5	539	
M11-03	6/19/1995	4 - 9.5	674	
M11-03	8/28/1995	4 - 9.5	437	
M11-04	8/22/1991	5 - 12	58	
M11-04	11/4/1994	5 - 12	453	
M11-04	2/15/1995	5 - 12	167	
M11-04	6/19/1995	5 - 12	158	
M11-04	8/25/1995	5 - 12	314	
M11-04	6/20/2002	5 - 12	220	J

SAMPLING LOCATION
Red = Exceeds Screening Level[2]
Blue = Below Screening Level

- Direct-Push
- Monitoring Well
- Surface Location
- CATCH BASIN
- MANHOLE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CERCLA SITE BOUNDARY
- OU-2B BOUNDARY

BUILDING
- Present
- Removed
- LAND COVER
- WATER

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
J = Estimated

[1]Concentrations are presented in micrograms per liter (µg/L).
[2]Screening level based on maximum ambient concentration of 2,480 µg/L.

100 0 100 200 Feet

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FIGURE 9-41 (2 OF 3)
OU-2B CONCENTRATIONS OF MANGANESE IN GROUNDWATER

Operable Unit 2B
Remedial Investigation Report

04/21/2005 U:\alameda_sa\dc030\ou2b_ri\mxd\fig09-41-2_ou2b_gw_manganese.mxd T:EMI-SA T. Munley

Sample Location	Sampling Date	Sample Depth (feet)	Concentration[1] (µg/L)	Qualifier
M11-04	12/9/2002	5 - 12	200	
M11-05	10/26/1994	4 - 14	**3460**	
M11-05	2/15/1995	4 - 14	1690	
M11-05	6/19/1995	4 - 14	1510	
M11-05	8/28/1995	4 - 14	1330	
M11-05	11/5/1997	4 - 14	1420	
M11-05	2/6/1998	4 - 14	278	
M11-05	5/12/1998	4 - 14	414	
M11-05	8/7/1998	4 - 14	789	
M11-05	6/20/2002	4 - 14	370	J
M11-05	12/9/2002	4 - 14	**2700**	
M11-06	11/29/1994	4 - 14	135	
M11-06	2/16/1995	4 - 14	164	
M11-06	6/19/1995	4 - 14	129	
M11-06	8/29/1995	4 - 14	114	
M11-06	11/5/1997	4 - 14	86.7	
M11-06	2/6/1998	4 - 14	22.5	
M11-06	5/12/1998	4 - 14	78.6	
M11-06	8/7/1998	4 - 14	103	
M11-06	6/20/2002	4 - 14	130	J
M11-06	12/9/2002	4 - 14	180	
MW360-1	7/6/1994	5 - 15	194	
MW360-1	9/22/1994	5 - 15	209	
MW360-1	1/24/1995	5 - 15	218	
MW360-1	4/24/1995	5 - 15	237	
MW360-1	11/7/1997	5 - 15	216	
MW360-1	2/9/1998	5 - 15	217	
MW360-1	5/6/1998	5 - 15	269	
MW360-1	8/4/1998	5 - 15	248	
MW360-1	6/19/2002	5 - 15	230	
MW360-1	9/9/2002	5 - 15	210	
MW360-1	12/10/2002	5 - 15	210	
MW360-2	7/5/1994	5 - 15	877	
MW360-2	9/27/1994	5 - 15	914	
MW360-2	1/24/1995	5 - 15	1560	
MW360-2	4/24/1995	5 - 15	2180	
MW360-2	11/6/1997	5 - 15	**3870**	
MW360-2	2/9/1998	5 - 15	**4000**	
MW360-2	5/6/1998	5 - 15	**4060**	
MW360-2	8/4/1998	5 - 15	**4230**	
MW360-2	6/19/2002	5 - 15	**4600**	
MW360-2	9/9/2002	5 - 15	**4400**	
MW360-2	12/9/2002	5 - 15	**3500**	
MW360-3	7/1/1994	5 - 15	**2830**	
MW360-3	9/27/1994	5 - 15	**2540**	
MW360-3	1/24/1995	5 - 15	**3050**	
MW360-3	4/21/1995	5 - 15	**2860**	
MW360-3	11/3/1997	5 - 15	1500	
MW360-3	2/9/1998	5 - 15	2090	
MW360-3	5/14/1998	5 - 15	919	
MW360-3	8/5/1998	5 - 15	978	
MW360-3	6/19/2002	5 - 15	1100	
MW360-3	9/9/2002	5 - 15	1200	
MW360-3	12/9/2002	5 - 15	**3200**	
MW360-4	8/3/1990	5 - 15	**5400**	
MW360-4	7/1/1994	5 - 15	684	
MW360-4	9/23/1994	5 - 15	621	
MW360-4	1/23/1995	5 - 15	444	
MW360-4	4/25/1995	5 - 15	306	
MW360-4	11/6/1997	5 - 15	387	
MW360-4	2/9/1998	5 - 15	298	
MW360-4	5/6/1998	5 - 15	195	
MW360-4	8/5/1998	5 - 15	115	
MW360-4	6/19/2002	5 - 15	74	
MW360-4	9/9/2002	5 - 15	250	
MW360-4	12/10/2002	5 - 15	220	
MW97-1	8/30/1990	5 - 15	1800	
MW97-1	10/14/1994	5 - 15	574	
MW97-1	2/7/1995	5 - 15	746	
MW97-1	6/8/1995	5 - 15	665	
MW97-1	7/31/1995	5 - 15	589	
MW97-2	8/31/1990	5 - 15	**2700**	
MW97-2	10/18/1994	5 - 15	1180	
MW97-2	2/8/1995	5 - 15	855	
MW97-2	6/6/1995	5 - 15	702	
MW97-2	8/1/1995	5 - 15	1250	
MW97-3	10/18/1990	5 - 15	2200	
MW97-3	10/14/1994	5 - 15	697	
MW97-3	2/7/1995	5 - 15	721	
MW97-3	6/9/1995	5 - 15	415	
MW97-3	8/2/1995	5 - 15	361	
MW97-3	7/3/2002	5 - 15	480	
MW97-3	9/6/2002	5 - 15	350	
MW97-3	12/10/2002	5 - 15	490	
WA-8	9/4/1991	5 - 15	932	
WA-8	6/20/2002	5 - 15	1400	J
WA-8	12/9/2002	5 - 15	750	

SAMPLING LOCATION
Red = Exceeds Screening Level[2]
Blue = Below Screening Level

- Direct-Push
- Monitoring Well
- Surface Location
- CATCH BASIN
- MANHOLE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CERCLA SITE BOUNDARY
- OU-2B BOUNDARY

BUILDING
- Present
- Removed
- LAND COVER
- WATER

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
J = Estimated

[1]Concentrations are presented in micrograms per liter (µg/L).
[2]Screening level based on maximum ambient concentration of 2,480 µg/L.

100 0 100 200 Feet

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Department of the Navy BRAC PMO West, San Diego, California

FIGURE 9-41 (3 OF 3)
OU-2B CONCENTRATIONS OF MANGANESE IN GROUNDWATER

Operable Unit 2B
Remedial Investigation Report

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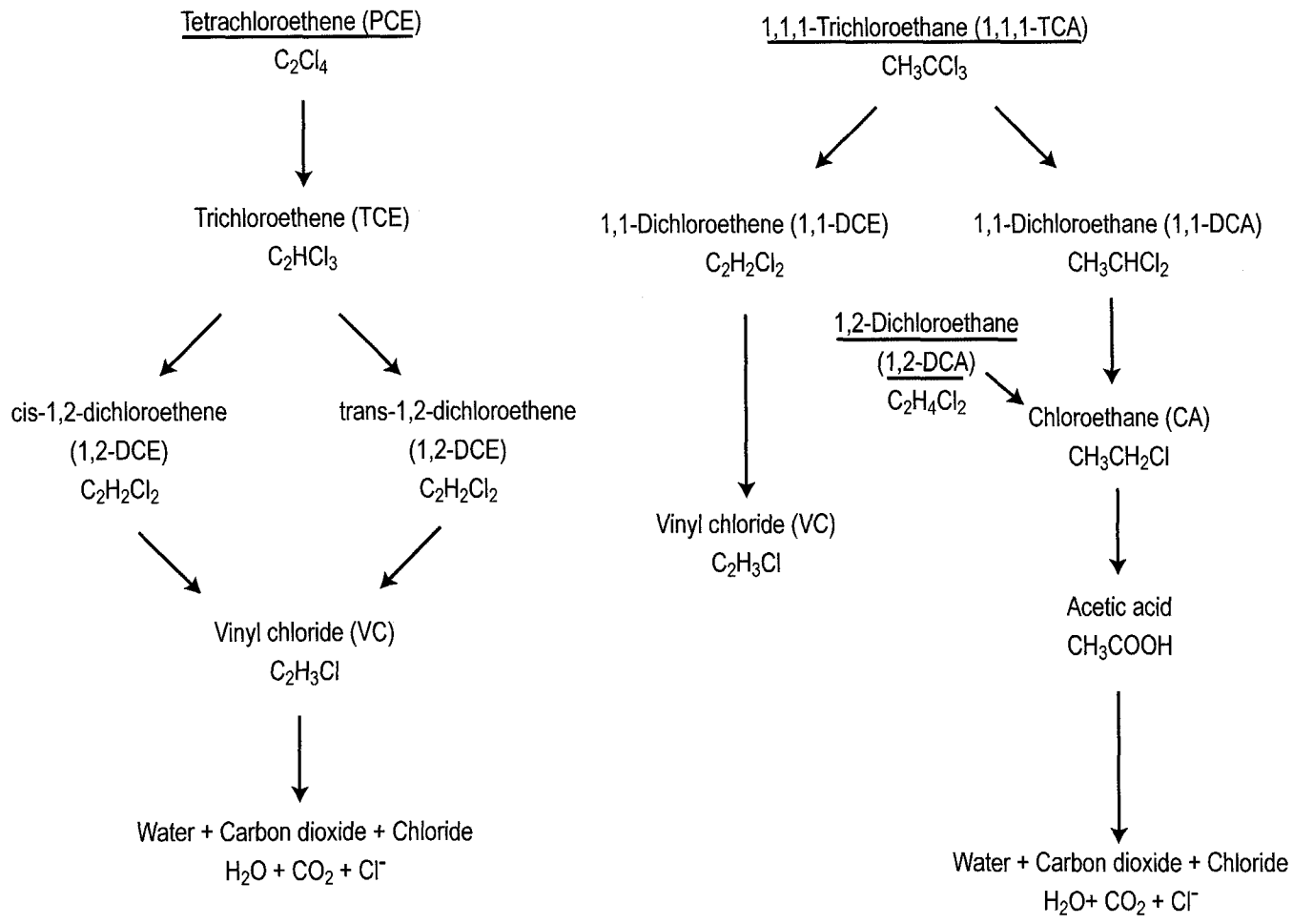

Source: Murphy and Morrison (2002) *Introduction to Environmental Forensics.* Academic Press, San Diego.

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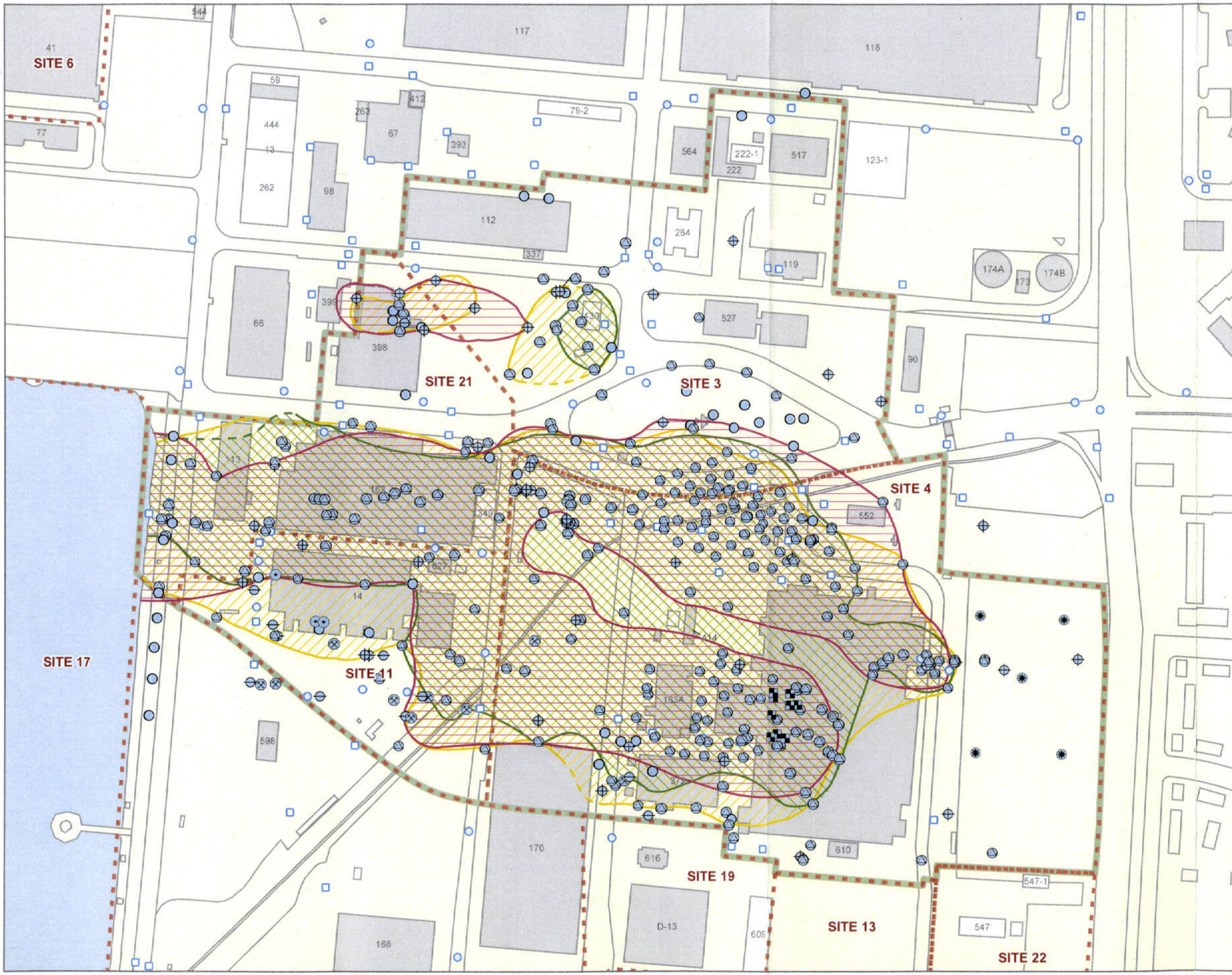
FIGURE 9-42
DEGRADATION PATHWAYS OF COMMON SOLVENTS THROUGH DECHLORINATION
Operable Unit 2B
Remedial Investigation Report



SAMPLING LOCATION

- Direct-Push
- Excavation
- Monitoring Well
- Surface Location
- CATCH BASIN
- MANHOLE
- 1,2-DICHLOROETHENE (TOTAL) PLUME (OUTLINE DASHED WHERE INFERRED)
- VINYL CHLORIDE PLUME (OUTLINE DASHED WHERE INFERRED)
- TRICHLOROETHENE PLUME (OUTLINE DASHED WHERE INFERRED)
- OPERABLE UNIT 2B BOUNDARY
- CERCLA SITE BOUNDARY

BUILDING

- Present
- Removed
- LAND COVER
- WATER

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
DCE = Dichloroethene
TCE = Trichloroethene

N

100 0 100 200 Feet

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Department of the Navy,BRAC PMO West, San Diego, California

FIGURE 9-43
OU-2B TCE, 1,2-DCE AND VINYL CHOLORIDE PLUMES IN GROUNDWATER

Operable Unit 2B
Remedial Investigation Report

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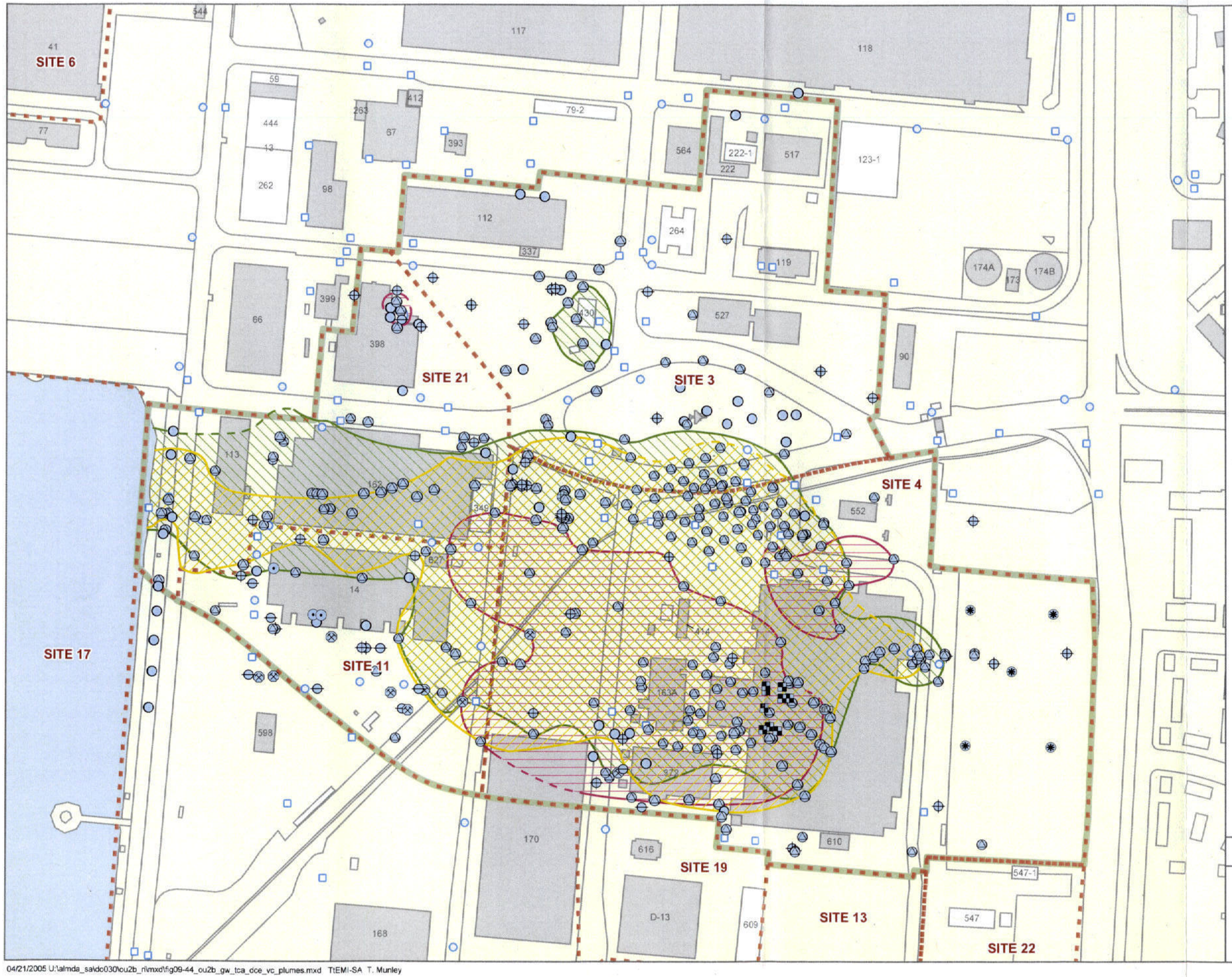

SAMPLING LOCATION

- Direct-Push
- Excavation
- Monitoring Well
- Surface Location
- CATCH BASIN
- MANHOLE
- 1,1-DICHLOROETHENE PLUME (OUTLINE DASHED WHERE INFERRED)
- VINYL CHLORIDE PLUME (OUTLINE DASHED WHERE INFERRED)
- 1,1,1-TRICHLOROETHANE PLUME (OUTLINE DASHED WHERE INFERRED)
- OPERABLE UNIT 2B BOUNDARY
- CERCLA SITE BOUNDARY

BUILDING

- Present
- Removed
- LAND COVER
- WATER

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
DCE = Dichloroethene
TCA = Trichloroethane

100 0 100 200 Feet

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Alameda Point
Department of the Navy,BRAC PMO West, San Diego, California

FIGURE 9-44
OU-2B 1,1,1-TCA, 1,1-DCE AND VINYL CHOLORIDE PLUMES IN GROUNDWATER

Operable Unit 2B
Remedial Investigation Report

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N00236.002042
ALAMEDA POINT
SSIC NO. 5090.3

TABLES

FINAL OPERABLE UNIT 2B
REMEDIAL INVESTIGATION REPORT
SITES 3, 4, 11, AND 21

DATED 05 AUGUST 2005

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
CERCLA INVESTIGATIONS																
Phases 1 & 2A Investigation, 1991																
3	MW97-1	MW97-1 [08/30/90]	8/30/1990	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
3	MW97-2	MW97-2 [08/31/90]	8/31/1990	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
3	MW97-3	MW97-3 [08/31/90]	10/18/1990	5 - 15	X	X	--	--	X	--	X	--	--	--	--	--
4	MW360-1	MW360-1 [07/11/90]	7/11/1990	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-2	MW360-2 [07/11/90]	7/11/1990	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-3	MW360-3 [07/10/90]	7/10/1990	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
4	MW360-4	MW360-4 [08/03/90]	8/3/1990	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
Phases 2B & 3 Investigation, 1991																
4	G04-01	G04-01	9/9/1991	0	X	X	--	--	X	--	X	X	--	X	X	--
4	G04-02	G04-02	9/9/1991	0	X	X	--	--	X	--	X	X	--	X	X	--
4	G04-03	G04-03	9/9/1991	0	X	X	--	--	X	--	X	X	--	X	X	--
4	G04-04	G04-04	9/6/1991	0	X	X	--	--	X	--	X	X	--	X	X	--
4	G04-05	G04-05	9/9/1991	0	X	X	--	--	X	--	X	X	--	X	X	--
4	G04-06	G04-06	9/9/1991	0	X	X	--	--	X	--	X	X	--	X	X	--
4	G04-07	G04-07	9/10/1991	0	X	X	--	--	X	--	X	X	--	X	X	--
4	G04-08	G04-08	9/10/1991	0	X	X	--	--	X	--	X	X	--	X	X	--
4	G04-09	G04-09	9/9/1991	0	X	X	--	--	X	--	X	X	--	X	X	--
11	M11-01	M11-01	8/22/1991	4 - 9.5	X	X	--	--	X	--	X	X	--	--	--	--
11	M11-02	M11-02	8/22/1991	4 - 9.5	X	X	--	--	X	--	X	X	--	--	--	--
11	M11-03	M11-03	8/22/1991	4 - 9.5	X	X	--	--	X	--	X	X	--	--	--	--
11	M11-04	M11-04	8/22/1991	5 - 12	X	X	--	--	X	--	X	X	--	--	--	--
21	M07B-01	M07B-01	8/21/1991	4 - 11	X	X	X	--	X	--	X	X	--	--	--	--
21	WA-8	WA-8	9/4/1991	5 - 15	X	X	X	--	X	--	X	X	--	--	--	--
Follow-on Investigation, 1994																
3	03GB002	GPW03-002	8/11/1994	5 - 6	--	X	--	--	--	--	--	X	--	--	--	--
3	03GB017	GPW03-170	8/16/1994	5 - 6	--	X	--	--	--	--	--	X	--	--	--	--
3	D03-01	280-S03-098	12/14/1994	49.5 - 59.5	X	X	--	--	X	--	X	X	--	--	--	--
3	D03-01	280-S03-121	2/16/1995	49.5 - 59.5	--	X	--	--	X	--	X	X	--	--	--	--
3	D03-01	280-S03-122	6/8/1995	49.5 - 59.5	--	X	--	--	X	--	X	--	--	--	--	--
3	D03-01	280-S03-123	8/4/1995	49.5 - 59.5	--	X	--	--	X	--	X	--	--	--	--	--
3	DHP-S03-01	280-S03-073	9/6/1994	0.3 - 31.4	--	X	--	--	X	--	X	--	--	--	--	--
3	DHP-S03-02	280-S03-074	8/5/1994	34	--	X	--	--	X	--	X	--	--	--	--	--
3	DHP-S03-04	280-S03-076	8/5/1994	22	X	X	--	--	X	--	X	--	--	--	--	--
3	DHP-S03-05	280-S03-077	8/31/1994	9 - 22	--	X	--	--	X	--	X	--	--	--	--	--
3	M03-04	280-S03-059	12/15/1994	3 - 11	X	X	--	--	X	--	X	X	--	--	--	--
3	M03-04	280-S03-060	2/7/1995	3 - 11	X	X	--	--	X	--	X	X	--	--	--	--
3	M03-04	280-S03-061	6/9/1995	3 - 11	X	X	--	--	X	--	X	X	--	--	--	--
3	M03-04	280-S03-062	8/4/1995	3 - 11	X	X	--	--	X	--	X	X	--	--	--	--
3	M03-07	280-S03-095	12/14/1994	3 - 13	X	X	--	--	X	--	X	X	--	--	--	--
3	M03-07	280-S03-112	2/8/1995	3 - 13	X	X	--	--	X	--	X	X	--	--	--	--
3	M03-07	280-S03-113	6/6/1995	3 - 13	X	X	--	--	X	--	X	X	--	--	--	--
3	M03-07	280-S03-114	8/2/1995	3 - 13	X	X	--	--	X	--	X	X	--	--	--	--
3	M03-08A	280-S03-097	12/9/1994	3 - 13	X	X	X	--	X	--	X	X	--	--	--	--
3	M03-08A	280-S03-118	2/9/1995	3 - 13	X	X	--	--	X	--	X	X	--	--	--	--
3	M03-08A	280-S03-119	6/6/1995	3 - 13	X	X	--	--	X	--	X	X	--	--	--	--
3	M03-08A	280-S03-120	8/4/1995	3 - 13	X	X	--	--	X	--	X	X	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
3	MW97-1	280-S03-045	10/14/1994	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
3	MW97-1	280-S03-047	2/7/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
3	MW97-1	280-S03-048	6/8/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
3	MW97-1	280-S03-049	7/31/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
3	MW97-2	280-S03-050	10/18/1994	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
3	MW97-2	280-S03-051	2/8/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
3	MW97-2	280-S03-052	6/6/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
3	MW97-2	280-S03-053	8/1/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
3	MW97-3	280-S03-054	10/14/1994	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
3	MW97-3	280-S03-055	2/7/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
3	MW97-3	280-S03-056	6/9/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
3	MW97-3	280-S03-058	8/2/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	--	--
4	03GB015	GPW03-150	8/16/1994	5 - 5	--	X	--	--	--	--	--	X	--	--	--	--
4	03GB039	03GPW039	9/9/1994	7 - 9	--	X	--	--	--	--	--	X	--	--	--	--
4	D04-01	260-S04-137	7/1/1994	86 - 96	--	X	--	--	X	--	X	X	--	--	X	--
4	D04-01	260-S04-139	9/27/1994	86 - 96	X	X	--	--	X	--	X	X	--	--	--	--
4	D04-01	260-S04-140	1/24/1995	86 - 96	--	X	--	--	X	--	X	X	--	--	X	--
4	D04-01	260-S04-141	5/3/1995	86 - 96	--	X	--	--	X	--	X	X	--	--	--	--
4	D04-02	260-S04-190	3/9/1995	86.5 - 96.5	--	X	--	--	X	--	X	X	--	--	X	--
4	D04-02	260-S04-192	3/9/1995	86.5 - 96.5	--	X	--	--	--	--	--	--	--	--	--	--
4	D04-02	260-S04-195	5/3/1995	86.5 - 96.5	--	X	--	--	X	--	X	X	--	--	X	--
4	D04-03	260-S04-191	3/9/1995	84 - 94	--	X	--	--	X	--	X	X	--	--	X	--
4	D04-03	260-S04-193	3/9/1995	84 - 94	--	X	--	--	--	--	--	--	--	--	--	--
4	D04-03	260-S04-196	5/10/1995	84 - 94	--	X	--	--	X	--	X	X	--	--	X	--
4	DHP-S04-03	260-S04-105	2/10/1994	19	X	X	--	--	X	--	X	X	--	--	--	--
4	DHP-S04-04	260-S04-106	1/27/1995	36.5	X	X	--	--	--	--	--	X	--	--	--	--
4	DHP-S04-06	260-S04-249	1/24/1995	49	--	X	--	--	--	--	--	--	--	--	--	--
4	DHP-S04-07	260-S04-253	1/18/1995	50	--	X	--	--	--	--	--	--	--	--	--	--
4	DHP-S04-08	260-S04-256	1/23/1995	43.5	--	X	--	--	--	--	--	--	--	--	--	--
4	DHP-S04-09	260-S04-260	1/25/1995	50	--	X	--	--	--	--	--	--	--	--	--	--
4	HP-S04-01	260-S04-102	2/14/1994	20	X	X	--	--	X	--	X	X	--	--	--	--
4	HP-S04-02	260-S04-104	2/14/1994	20	X	X	--	--	X	--	X	X	--	--	--	--
4	HP-S04-06	260-S04-248	1/24/1995	34	--	X	--	--	--	--	--	--	--	--	--	--
4	HP-S04-07	260-S04-252	1/18/1995	30	--	X	--	--	--	--	--	--	--	--	--	--
4	HP-S04-08	260-S04-255	1/20/1995	30	--	X	--	--	--	--	--	--	--	--	--	--
4	HP-S04-09	260-S04-259	1/25/1995	32	--	X	--	--	--	--	--	--	--	--	--	--
4	M03-05	280-S03-063	12/8/1994	3 - 13	X	X	--	--	X	--	X	X	--	--	--	--
4	M03-05	280-S03-064	2/7/1995	3 - 13	X	X	--	--	X	--	X	X	--	--	--	--
4	M03-05	280-S03-065	6/7/1995	3 - 13	X	X	--	--	X	--	X	X	--	--	--	--
4	M03-05	280-S03-066	8/1/1995	3 - 13	X	X	--	--	X	--	X	X	--	--	--	--
4	M03-06	280-S03-068	12/8/1994	3 - 12	X	X	--	--	X	--	X	X	--	--	--	--
4	M03-06	280-S03-069	2/7/1995	3 - 12	X	X	--	--	X	--	X	X	--	--	--	--
4	M03-06	280-S03-070	6/5/1995	3 - 12	X	X	--	--	X	--	X	X	--	--	--	--
4	M03-06	280-S03-071	8/2/1995	3 - 12	X	X	--	--	X	--	X	X	--	--	--	--
4	M04-05	260-S04-089	7/5/1994	3.5 - 13.5	X	X	--	--	X	--	X	X	--	--	X	--
4	M04-05	260-S04-090	9/26/1994	3.5 - 13.5	X	X	--	--	X	--	X	X	--	--	X	--
4	M04-05	260-S04-091	1/24/1995	3.5 - 13.5	X	X	--	--	X	--	X	X	--	--	X	--
4	M04-05	260-S04-092	4/25/1995	3.5 - 13.5	X	X	--	--	X	--	X	X	--	--	X	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	M04-06	260-S04-094	6/30/1994	3.5 - 13.5	X	X	--	--	X	--	X	X	--	--	X	--
4	M04-06	260-S04-095	9/23/1994	3.5 - 13.5	X	X	--	--	X	--	X	X	--	--	X	--
4	M04-06	260-S04-096	1/23/1995	3.5 - 13.5	X	X	--	--	X	--	X	X	--	--	X	--
4	M04-06	260-S04-097	4/26/1995	3.5 - 13.5	X	X	--	--	X	--	X	X	--	--	X	--
4	M04-07	260-S04-098	7/6/1994	3.5 - 13.5	X	X	--	--	X	--	X	X	--	--	X	--
4	M04-07	260-S04-099	9/27/1994	3.5 - 13.5	X	X	--	--	X	--	X	X	--	--	--	--
4	M04-07	260-S04-100	1/25/1995	3.5 - 13.5	X	X	--	--	X	--	X	X	--	--	X	--
4	M04-07	260-S04-101	4/24/1995	3.5 - 13.5	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-1	260-S04-070	7/6/1994	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-1	260-S04-072	9/22/1994	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-1	260-S04-073	1/23/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-1	260-S04-074	4/24/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-2	260-S04-075	7/5/1994	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-2	260-S04-076	9/27/1994	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-2	260-S04-078	1/24/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-2	260-S04-079	4/24/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-3	260-S04-080	7/1/1994	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-3	260-S04-081	9/27/1994	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-3	260-S04-082	1/24/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-3	260-S04-084	4/21/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-4	260-S04-085	7/1/1994	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-4	260-S04-086	9/23/1994	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-4	260-S04-087	1/23/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	MW360-4	260-S04-088	4/25/1995	5 - 15	X	X	--	--	X	--	X	X	--	--	X	--
4	SHP-S04-06	260-S04-247	1/24/1995	10	--	X	--	--	--	--	--	--	--	--	--	--
4	SHP-S04-07	260-S04-250	1/18/1995	10	--	X	--	--	--	--	--	--	--	--	--	--
4	SHP-S04-08	260-S04-254	1/20/1995	17	--	X	--	--	--	--	--	--	--	--	--	--
4	SHP-S04-09	260-S04-257	1/25/1995	16	--	X	--	--	--	--	--	--	--	--	--	--
11	D11-01	280-S7B11-157	3/8/1995	50 - 60	--	X	--	--	X	--	X	X	--	--	--	--
11	D11-01	280-S7B11-158	6/22/1995	50 - 60	--	X	--	--	X	--	X	X	--	--	--	--
11	D11-01	280-S7B11-159	9/19/1995	50 - 60	--	X	--	--	X	--	X	X	--	--	--	--
11	DHP-S11-01	280-S7B11-086	8/3/1994	24	--	X	--	--	X	--	X	X	--	--	--	--
11	DHP-S11-02	280-S7B11-087	8/3/1994	24.8	--	X	--	--	X	--	X	X	--	--	--	--
11	M11-01	280-S7B11-055	10/26/1994	4 - 9.5	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-01	280-S7B11-056	2/14/1995	4 - 9.5	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-01	280-S7B11-057	6/16/1995	4 - 9.5	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-01	280-S7B11-058	8/23/1995	4 - 9.5	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-02	280-S7B11-059	10/26/1994	4 - 9.5	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-02	280-S7B11-060	2/14/1995	4 - 9.5	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-02	280-S7B11-061	6/19/1995	4 - 9.5	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-02	280-S7B11-063	8/25/1995	4 - 9.5	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-03	280-S7B11-064	11/1/1994	4 - 9.5	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-03	280-S7B11-065	2/15/1995	4 - 9.5	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-03	280-S7B11-066	6/19/1995	4 - 9.5	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-03	280-S7B11-066T	6/20/1995	4 - 9.5	--	--	--	X	--	--	--	--	--	--	--	--
11	M11-03	280-S7B11-067	8/28/1995	4 - 9.5	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-04	280-S7B11-068	11/4/1994	5 - 12	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-04	280-S7B11-069	2/15/1995	5 - 12	X	X	X	--	X	--	X	X	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
11	M11-04	280-S7B11-070	6/19/1995	5 - 12	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-04	280-S7B11-071	8/25/1995	5 - 12	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-05	280-S7B11-072	10/26/1994	4 - 14	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-05	280-S7B11-074	2/15/1995	4 - 14	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-05	280-S7B11-075	6/19/1995	4 - 14	X	X	X	--	X	--	X	X	--	--	--	--
11	M11-05	280-S7B11-076	8/28/1995	4 - 14	X	X	X	--	X	--	X	X	--	--	--	--
21	03GB032	03GPW032	9/12/1994	10 - 12	--	X	--	--	--	--	--	X	--	--	--	--
21	DHP-S07B-01	280-S7B11-083	8/4/1994	28.5	--	X	--	--	X	--	X	X	--	--	--	--
21	DHP-S07B-02	280-S7B11-084	8/4/1994	26.3	--	X	--	--	X	--	X	X	--	--	--	--
21	M07B-01	280-S7B11-051	11/1/1994	4 - 11	X	X	X	--	X	--	X	X	--	--	--	--
21	M07B-01	280-S7B11-053	6/16/1995	4 - 11	X	X	X	--	X	--	X	X	--	--	--	--
21	M07B-01	280-S7B11-054	8/23/1995	4 - 11	X	X	X	--	X	--	X	X	--	--	--	--
21	M11-06	280-S7B11-117	11/29/1994	4 - 14	X	X	X	--	X	--	X	X	--	--	--	--
21	M11-06	280-S7B11-154	2/16/1995	4 - 14	X	X	X	--	X	--	X	X	--	--	--	--
21	M11-06	280-S7B11-155	6/19/1995	4 - 14	X	X	X	--	X	--	X	X	--	--	--	--
21	M11-06	280-S7B11-156	8/29/1995	4 - 14	X	X	X	--	X	--	X	X	--	--	--	--
21	M07B-01	108-S21-001	11/5/1997	4 - 11	--	X	--	--	X	--	X	--	--	--	--	--
21	M07B-01	108-S21-002	2/13/1998	4 - 11	--	X	--	--	X	--	X	--	--	--	--	--
21	M07B-01	108-S21-003	5/13/1998	4 - 11	--	X	--	--	X	--	X	--	--	--	--	--
21	M07B-01	108-S21-004	8/7/1998	4 - 11	--	X	--	--	X	--	X	--	--	--	--	--
21	M11-06	108-S11-002	11/5/1997	4 - 14	--	X	--	--	X	--	X	--	--	--	--	--
21	M11-06	108-S11-010	2/6/1998	4 - 14	--	X	--	--	X	--	X	--	--	--	--	--
21	M11-06	108-S11-014	5/12/1998	4 - 14	--	X	--	--	X	--	X	--	--	--	--	--
21	M11-06	108-S11-019	8/7/1998	4 - 14	--	X	--	--	X	--	X	--	--	--	--	--
PAH Investigation, 1997																
4	S04-1D-A	BERC-S04-1D-A-7	4/8/1997	7	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1D-A	BERC-S04-1D-A-9	4/8/1997	9	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2D-A	BERC-S04-2D-A-5.5	4/7/1997	5.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2D-A	BERC-S04-2D-A-9	4/7/1997	9	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2D-B	BERC-S04-2D-B-3	4/7/1997	3	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2D-C	BERC-S04-2D-C-15	4/8/1997	15	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2D-C	BERC-S04-2D-C-7.5	4/8/1997	7.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2D-C	BERC-S04-2D-C-9.5	4/8/1997	9.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3C-A	BERC-S04-3C-A-15	4/8/1997	15	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3C-A	BERC-S04-3C-A-9	4/8/1997	9	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3C-B	BERC-S04-3C-B-20	4/9/1997	20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3D-A	BERC-S04-3D-A-8	4/9/1997	8	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3D-B	BERC-S04-3D-B-10	4/9/1997	10	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3D-B	BERC-S04-3D-B-23	4/9/1997	23	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-4C-A	BERC-S04-4C-A-23	4/9/1997	23	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-4C-A	BERC-S04-4C-A-8.5	4/9/1997	8.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-5C-A	BERC-S04-5C-A-11	4/7/1997	11	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-5C-A	BERC-S04-5C-A-15	4/8/1997	15	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-5C-B	BERC-S04-5C-B-10	4/9/1997	10	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-5C-B	BERC-S04-5C-B-25	4/9/1997	25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-5C-B	BERC-S04-5C-B-7	4/9/1997	7	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
Follow-on Investigation, 1998																
3	M03-04	108-S03-001	11/3/1997	3 - 11	--	X	--	--	X	--	X	X	--	--	--	--
3	M03-04	108-S03-004	2/10/1998	3 - 11	--	X	--	--	X	--	X	X	--	--	--	--
3	M03-04	108-S03-007	5/11/1998	3 - 11	--	X	--	--	X	--	X	X	--	--	--	--
3	M03-04	108-S03-010	8/4/1998	3 - 11	--	X	--	--	X	--	X	X	--	--	--	--
3	M03-07	108-S03-003	11/3/1997	3 - 13	--	X	--	--	X	--	X	X	--	--	--	--
3	M03-07	108-S03-006	2/6/1998	3 - 13	--	X	--	--	X	--	X	X	--	--	--	--
3	M03-07	108-S03-009	5/11/1998	3 - 13	--	X	--	--	X	--	X	X	--	--	--	--
3	M03-07	108-S03-012	8/4/1998	3 - 13	--	X	--	X	--	--	X	X	--	--	--	--
3	S04-4-1	122-S04-098	1/30/1998	7.5 - 9.5	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-4-1	122-S04-099	1/30/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-4-1	122-S04-100	1/30/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-4-2	122-S04-104	2/2/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-4-2	122-S04-213	3/11/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-4-2	122-S04-214	3/12/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-4-2	122-S04-214	3/12/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-4-3	122-S04-035	1/26/1998	9.5 - 11.5	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-4-3	122-S04-036	1/26/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-4-3	122-S04-039	1/26/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-4-3	122-S04-059	1/26/1998	5.5 - 7.5	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-4-3	122-S04-129	2/11/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-5-3	122-S04-041	1/27/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-5-3	122-S04-041	1/27/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-5-3	122-S04-062	1/27/1998	9.5 - 11.5	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-5-3	122-S04-063	1/27/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-5-3	122-S04-065	1/28/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-5-3	122-S04-066	1/28/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-5-3	122-S04-067	1/28/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-5-3	122-S04-068	1/28/1998	40 - 45	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-5-4	122-S04-117	2/5/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-5-4	122-S04-118	2/5/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-5-4	122-S04-119	2/5/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	D04-01	108-S04-030	8/5/1998	86 - 96	--	X	--	--	X	--	X	X	--	--	--	--
4	D04-01	108-S04-043	5/13/1998	86 - 96	--	X	--	--	X	--	X	X	--	--	--	--
4	D04-02	108-S01-014	11/14/1997	86.5 - 96.5	--	X	--	--	X	--	X	--	--	--	--	--
4	D04-02	108-S04-010	2/4/1998	86.5 - 96.5	--	X	--	--	X	--	X	--	--	--	--	--
4	D04-02	108-S04-020	5/8/1998	86.5 - 96.5	--	X	--	--	X	--	X	--	--	--	--	--
4	D04-02	108-S04-031	8/5/1998	86.5 - 96.5	--	X	--	--	X	--	X	--	--	--	--	--
4	D04-03	108-S04-004	11/14/1997	84 - 94	--	X	--	--	X	--	X	--	--	--	--	--
4	D04-03	108-S04-011	2/4/1998	84 - 94	--	X	--	--	X	--	X	--	--	--	--	--
4	D04-03	108-S04-021	5/6/1998	84 - 94	--	X	--	--	X	--	X	--	--	--	--	--
4	D04-03	108-S04-032	8/5/1998	84 - 94	--	X	--	--	X	--	X	--	--	--	--	--
4	M03-05	108-S03-002	11/3/1997	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--
4	M03-05	108-S03-005	2/6/1998	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--
4	M03-05	108-S03-008	5/11/1998	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--
4	M03-05	108-S03-011	8/4/1998	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--
4	M03-05	108-S04-001	11/3/1997	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--
4	M03-05	108-S04-013	2/9/1998	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	M03-05	108-S04-022	5/5/1998	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--
4	M03-05	108-S04-033	8/4/1998	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--
4	M04-06	108-S04-002	11/3/1997	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--
4	M04-06	108-S04-014	2/9/1998	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--
4	M04-06	108-S04-023	5/6/1998	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--
4	M04-06	108-S04-034	8/4/1998	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--
4	M04-07	108-S04-003	11/3/1997	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--
4	M04-07	108-S04-015	2/9/1998	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--
4	M04-07	108-S04-024	5/5/1998	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--
4	M04-07	108-S04-035	8/4/1998	3.5 - 13.5	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-1	108-S04-005	11/7/1997	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-1	108-S04-016	2/9/1998	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-1	108-S04-025	5/6/1998	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-1	108-S04-036	8/4/1998	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-2	108-S04-006	11/6/1997	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-2	108-S04-017	2/9/1998	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-2	108-S04-026	5/6/1998	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-2	108-S04-037	8/4/1998	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-3	108-S04-007	11/3/1997	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-3	108-S04-018	2/9/1998	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-3	108-S04-027	5/14/1998	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-3	108-S04-038	8/5/1998	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-4	108-S04-008	11/6/1997	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-4	108-S04-019	2/9/1998	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-4	108-S04-029	5/6/1998	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	MW360-4	108-S04-040	8/5/1998	5 - 15	--	X	--	--	X	--	X	--	--	--	--	--
4	S04-0-4	122-S04-130	2/12/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-0-4	122-S04-131	2/12/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-0-4	122-S04-132	2/12/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-0-4	122-S04-134	2/12/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-0-4	122-S04-136	2/12/1998	45 - 50	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-0-4	122-S04-155	2/17/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-0-4	122-S04-156	2/17/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-2	122-S04-070	1/28/1998	5.5 - 7.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-3	122-S04-071	1/28/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-3	122-S04-072	1/28/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-3	122-S04-072	1/28/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-3	122-S04-073	1/28/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-4	122-S04-074	1/29/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-4	122-S04-075	1/29/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-4	122-S04-076	1/29/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-4	122-S04-092	1/30/1998	40 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-4	122-S04-094	1/30/1998	45 - 50	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-4	122-S04-122	2/11/1998	55 - 60	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-4	122-S04-144	2/16/1998	9.5 - 11.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-4	122-S04-145	2/16/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-4	122-S04-146	2/16/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-6	122-S04-103	2/2/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	S04-1-6	122-S04-105	2/2/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-6	122-S04-107	2/2/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-6	122-S04-141	2/13/1998	40 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-6	122-S04-142	2/13/1998	45 - 50	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-1-6	122-S04-153	2/17/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-1	122-S04-003	1/21/1998	5.5 - 7.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-2	122-S04-106	2/2/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-3	122-S04-005	1/27/1998	5.5 - 7.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-3	122-S04-007	1/27/1998	9.5 - 11.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-3	122-S04-061	1/27/1998	11 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-3	122-S04-069	1/28/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-4	122-S04-008	1/23/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-4	122-S04-009	1/23/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-4	122-S04-010	1/23/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-4	122-S04-010	1/23/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-4	122-S04-011	1/23/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-4	122-S04-060	1/26/1998	40 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-4	M03-13-A1737	1/23/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-5	122-S04-077	1/29/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-5	122-S04-078	1/29/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-5	122-S04-079	1/29/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-5	122-S04-109	2/2/1998	40 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-5	122-S04-168	3/2/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-5	122-S04-170	3/2/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-6	122-S04-086	1/30/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-6	122-S04-087	1/30/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-6	122-S04-090	1/30/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-6	122-S04-173	3/3/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-6	122-S04-174	3/3/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-6	122-S04-175	3/3/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-7	122-S04-127	2/11/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-7	122-S04-150	2/17/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-7	122-S04-151	2/17/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-7	122-S04-152	2/17/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-7	122-S04-152	2/17/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-7	122-S04-197	3/10/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-2-7	122-S04-202	3/10/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-1	122-S04-012	1/22/1998	5.5 - 7.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-1	122-S04-013	1/22/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-1	122-S04-014	1/22/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-1	122-S04-101	2/2/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-1	122-S04-108	2/2/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-2	122-S04-015	1/21/1998	7.5 - 9.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-2	122-S04-016	1/21/1998	9.5 - 11.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-2	122-S04-017	1/21/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-2	122-S04-018	1/21/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-2	122-S04-019	1/21/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-2	122-S04-020	1/21/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	S04-3-2	122-S04-020	1/21/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-2	122-S04-021	1/22/1998	5.5 - 7.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-2	122-S04-022	1/22/1998	7.5 - 9.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-2	122-S04-023	1/22/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-2	122-S04-024	1/22/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-2	122-S04-025	1/22/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-2	122-S04-026	1/22/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-2	122-S04-093	1/29/1998	40 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-2	122-S04-093	1/30/1998	40 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-4	122-S04-027	1/23/1998	9.5 - 11.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-4	122-S04-030	1/23/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-4	122-S04-030	1/23/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-4	122-S04-054	1/23/1998	5.5 - 7.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-4	122-S04-056	1/23/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-4	122-S04-057	1/23/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-4	122-S04-058	1/26/1998	40 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-5	122-S04-032	1/29/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-5	122-S04-081	1/29/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-5	122-S04-082	1/29/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-5	122-S04-083	1/29/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-6	122-S04-102	2/2/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-6	122-S04-111	2/2/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-6	122-S04-111	2/2/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-6	122-S04-128	2/11/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-6	122-S04-147	2/16/1998	40 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-6	122-S04-179	3/4/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-6	122-S04-181	3/4/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-6	122-S04-182	3/4/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-7	122-S04-124	2/11/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-7	122-S04-124	2/11/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-7	122-S04-125	2/11/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-7	122-S04-144	2/13/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-7	122-S04-148	2/17/1998	40 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-7	122-S04-177	3/3/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-7	122-S04-177	3/3/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-7	122-S04-178	3/3/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-3-7	122-S04-184	3/4/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-4-4	122-S04-095	1/30/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-4-4	122-S04-097	1/30/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-4-4	122-S04-112	2/4/1998	40 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-4-5	122-S04-085	1/30/1998	9.5 - 11.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-4-5	122-S04-088	1/30/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-4-5	122-S04-091	1/30/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-4-5	122-S04-121	2/5/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-4-6	122-S04-113	2/4/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-4-6	122-S04-113	2/4/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-4-6	122-S04-115	2/4/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-4-6	122-S04-116	2/4/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--

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Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	S04-4-6	122-S04-192	3/9/1998	15.2 - 20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-4-6	122-S04-192	3/10/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-4-6	122-S04-208	3/11/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
11	M11-01	108-S11-003	11/5/1997	4 - 9.5	--	X	--	--	X	--	X	--	--	--	--	--
11	M11-01	108-S11-006	2/6/1998	4 - 9.5	--	X	--	--	X	--	X	--	--	--	--	--
11	M11-01	108-S11-011	5/12/1998	4 - 9.5	--	X	--	--	X	--	X	--	--	--	--	--
11	M11-01	108-S11-016	8/7/1998	4 - 9.5	--	X	--	--	X	--	X	--	--	--	--	--
11	M11-02	108-S11-004	11/5/1997	4 - 9.5	--	X	--	--	X	--	X	--	--	--	--	--
11	M11-02	108-S11-007	2/9/1998	4 - 9.5	--	X	--	--	X	--	X	--	--	--	--	--
11	M11-02	108-S11-012	5/12/1998	4 - 9.5	--	X	--	--	X	--	X	--	--	--	--	--
11	M11-02	108-S11-017	8/7/1998	4 - 9.5	--	X	--	--	X	--	X	--	--	--	--	--
11	M11-05	108-S11-001	11/5/1997	4 - 14	--	X	--	--	X	--	X	--	--	--	--	--
11	M11-05	108-S11-008	2/6/1998	4 - 14	--	X	--	--	X	--	X	--	--	--	--	--
11	M11-05	108-S11-013	5/12/1998	4 - 14	--	X	--	--	X	--	X	--	--	--	--	--
11	M11-05	108-S11-018	8/7/1998	4 - 14	--	X	--	--	X	--	X	--	--	--	--	--
11	S04-2-8	122-S04-198	3/9/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-2-8	122-S04-198	3/10/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-2-8	122-S04-200	3/10/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-2-8	122-S04-207	3/9/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-2-8	122-S04-207	3/11/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-3-8	122-S04-161	2/19/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-3-8	122-S04-163	2/19/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-3-8	122-S04-164	2/19/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-3-8	122-S04-164	2/19/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-3-8	122-S04-167	2/20/1998	40 - 45	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-3-8	122-S04-187	3/4/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-3-8	122-S04-189	3/5/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-3-8	122-S04-190	3/5/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-3-9	122-S04-203	3/11/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-3-9	122-S04-205	3/11/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-3-9	122-S04-206	3/11/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-4-7	122-S04-137	2/13/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-4-7	122-S04-137	2/13/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-4-7	122-S04-138	2/13/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-4-7	122-S04-140	2/13/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-4-7	122-S04-185	3/4/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-4-7	122-S04-186	3/4/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-4-7	122-S04-188	3/4/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-4-8	122-S04-165	2/19/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-4-8	122-S04-193	3/10/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-4-8	122-S04-194	3/10/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-4-8	122-S04-196	3/10/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-5-7	122-S04-166	2/20/1998	20 - 25	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-5-7	122-S04-211	3/11/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-5-7	122-S04-216	3/17/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-5-8	122-S04-218	3/23/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-5-9	122-S04-219	3/23/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
11	S04-5-10	122-S04-249	4/2/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

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Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
21	S04-5-6	122-S04-209	3/11/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-5-6	122-S04-210	3/11/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-10	122-S04-228	3/26/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-10	122-S04-236	3/27/1998	9.5 - 11.5	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-10	122-S04-237	3/27/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-10	122-S04-238	3/27/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-10	122-S04-245	4/1/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-10	122-S04-250	4/2/1998	40 - 45	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-10A	122-S04-251	4/3/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-10A	122-S04-251	4/3/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-10A	122-S04-253	4/3/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-10A	122-S04-254	4/3/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-10A	122-S04-255	4/6/1998	40 - 45	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-6	122-S04-217	3/23/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-8	122-S04-231	3/26/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-8	122-S04-232	3/26/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-9	122-S04-220	3/23/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-9	122-S04-220	3/23/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-9	122-S04-226	3/26/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-9	122-S04-227	3/26/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-9	122-S04-239	3/27/1998	9.5 - 11.5	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-9	122-S04-241	3/27/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-9	122-S04-243	4/1/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-6-9	122-S04-243	4/1/1998	30 - 35	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-7-7	122-S04-223	3/23/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-7-8	122-S04-221	3/23/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-7-9	122-S04-229	3/26/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-7-9	122-S04-229	3/26/1998	15.5 - 20	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-7-9	122-S04-233	3/27/1998	9.5 - 11.5	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-7-9	122-S04-234	3/27/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-7-9	122-S04-235	3/27/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-7-9	122-S04-248	4/2/1998	25 - 30	--	X	--	--	--	--	--	--	--	--	--	--
Supplemental Data Gap Sampling, 2001																
3	398-MW3	385-S21-026	6/26/2001	3.76 - 13.8	X	X	--	--	--	X	--	X	--	--	--	--
3	398-MW4	385-S21-027	6/27/2001	2.85 - 12.9	X	X	--	--	--	X	--	X	--	--	--	--
3	D03-01	385-S03-048	6/29/2001	49.5 - 59.5	X	X	--	--	--	X	--	X	--	--	--	--
3	M03-04	385-S03-043	6/27/2001	3 - 11	X	X	--	--	--	X	--	X	--	--	--	--
3	M03-07	385-S03-046	6/29/2001	3 - 13	X	X	--	--	--	X	--	X	--	--	--	--
3	M03-08A	385-S03-047	6/28/2001	3 - 13	X	X	--	--	--	X	--	X	--	--	--	--
3	MW97-1	385-S03-040	6/28/2001	5 - 15	X	X	--	--	--	X	--	X	--	--	--	--
3	MW97-2	385-S03-041	6/28/2001	5 - 15	X	X	--	--	--	X	--	X	--	--	--	--
3	MW97-3	385-S03-042	6/28/2001	5 - 15	X	X	--	--	--	X	--	X	--	--	--	--
3	S03-DGS-DP01	385-S03-002	7/23/2001	7	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP02	385-S03-004	7/23/2001	7	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP03	385-S03-006	7/23/2001	5	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP03	385-S03-088	8/9/2001	10	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP09	385-S03-026	6/18/2001	4.5 - 5	--	--	--	--	X	--	--	--	--	--	--	X
3	S03-DGS-DP12	385-S03-036	6/19/2001	6 - 6.5	--	--	--	--	X	--	--	--	--	--	--	X

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Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
3	S03-DGS-DP14	385-S03-072	8/2/2001	3.5 - 5	--	--	--	--	X	--	--	--	--	--	--	--
3	S03-DGS-DP16	385-S03-143	5/10/2002	6 - 8	--	--	--	--	X	--	--	--	--	--	--	--
3	S03-DGS-DP17	385-S03-139	4/23/2002	6	--	--	--	--	X	--	--	--	--	--	--	--
3	S03-DGS-DP18	385-S03-140	4/23/2002	6	--	--	--	--	X	--	--	--	--	--	--	--
3	S03-DGS-DP19	385-S03-086	8/2/2001	4.5 - 6.5	--	--	--	--	X	--	--	--	--	--	--	--
3	S03-DGS-DP20	385-S03-087	8/9/2001	5	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP20	385-S03-089	8/17/2001	10 - 12	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP21	385-S03-090	8/17/2001	5 - 7	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP21	385-S03-091	8/17/2001	10 - 12	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP22	385-S03-092	8/17/2001	5 - 7	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP22	385-S03-093	8/17/2001	10 - 12	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP23	385-S03-094	8/20/2001	5 - 7	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP23	385-S03-095	8/20/2001	10 - 12	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP24	385-S03-096	8/23/2001	5 - 7	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP24	385-S03-097	8/23/2001	12 - 14	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP25	385-S03-098	8/23/2001	5 - 7	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP25	385-S03-099	8/23/2001	12 - 14	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP26	385-S03-100	8/28/2001	8	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP26	385-S03-101	8/28/2001	14	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP28	385-S03-109	9/10/2001	5	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP29	385-S03-110	9/10/2001	5 - 7	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP30	385-S03-111	9/10/2001	5 - 7	--	X	--	--	--	--	--	X	--	--	--	--
3	S03-DGS-DP31	385-S03-118	9/24/2001	6.5 - 7	--	--	--	--	X	--	--	--	--	--	--	--
3	S03-DGS-DP32	385-S03-127	9/24/2001	7.5 - 8	--	--	--	--	X	--	--	--	--	--	--	--
3	S03-DGS-DP33	385-S03-115	9/24/2001	6.5 - 7	--	--	--	--	X	--	--	--	--	--	--	--
3	S03-DGS-DP34	385-S03-122	9/24/2001	6.5 - 7	--	--	--	--	X	--	--	--	--	--	--	--
3	S03-DGS-DP36	385-S03-129	11/6/2001	6.5	--	--	--	--	X	--	--	--	--	--	--	--
3	S03-DGS-DP37	385-S03-131	11/6/2001	6.5	--	--	--	--	X	--	--	--	--	--	--	--
3	S03-DGS-DP38	385-S03-133	2/8/2002	6	--	--	--	--	X	--	--	X	--	--	--	--
3	S03-DGS-DP39	385-S03-135	2/8/2002	6	--	--	--	--	X	--	--	--	--	--	--	--
3	S03-DGS-DP41	385-S03-141	4/23/2002	6	--	--	--	--	X	--	--	--	--	--	--	--
3	S04-DGS-DP50	385-S04-283	10/16/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-DGS-DP50	385-S04-284	10/16/2001	35 - 37	--	X	--	--	--	--	--	--	--	--	--	--
3	S04-DGS-DP50	385-S04-285	10/16/2001	48 - 50	--	X	--	--	--	--	--	--	--	--	--	--
4	372-MW1	385-S04-133	6/29/2001	2.5 - 12.5	X	X	--	--	--	X	--	X	--	--	--	--
4	372-MW3	385-S04-134	6/29/2001	2.7 - 12.7	X	X	--	--	--	X	--	X	--	--	--	--
4	6H	385-S21-046	7/23/2001		--	X	--	--	--	--	--	X	--	--	--	--
4	D04-01	385-S04-130	7/3/2001	86 - 96	X	X	--	--	--	X	--	X	--	--	--	--
4	D04-02	385-S04-106	6/27/2001	86.5 - 96.5	--	X	--	--	--	--	--	--	--	--	--	--
4	D04-02	385-S04-107	6/27/2001	86.5 - 96.5	--	X	--	--	--	--	--	--	--	--	--	--
4	D04-02	385-S04-108	6/27/2001	86.5 - 96.5	--	X	--	--	--	--	--	--	--	--	--	--
4	D04-02	385-S04-109	6/27/2001	86.5 - 96.5	--	X	--	--	--	--	--	--	--	--	--	--
4	D04-02	385-S04-131	7/3/2001	86.5 - 96.5	X	X	--	--	--	X	--	X	--	--	--	--
4	D04-03	385-S04-111	7/9/2001	84 - 94	--	X	--	--	--	--	--	--	--	--	--	--
4	D04-03	385-S04-112	7/9/2001	84 - 94	--	X	--	--	--	--	--	--	--	--	--	--
4	D04-03	385-S04-113	7/9/2001	84 - 94	--	X	--	--	--	--	--	--	--	--	--	--
4	D04-03	385-S04-114	7/9/2001	84 - 94	--	X	--	--	--	--	--	--	--	--	--	--
4	D04-03	385-S04-115	7/9/2001	84 - 94	--	X	--	--	--	--	--	--	--	--	--	--

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Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	D04-03	385-S04-132	7/10/2001	84 - 94	X	X	--	--	--	X	--	X	--	--	--	--
4	M03-05	385-S03-044	6/27/2001	3 - 13	X	X	--	--	--	X	--	X	--	--	--	--
4	M03-05	385-S03-045	6/27/2001	3 - 12	X	X	--	--	--	X	--	X	--	--	--	--
4	M04-05	385-S04-101	7/10/2001	3.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	M04-05	385-S04-102	7/10/2001	3.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	M04-05	385-S04-103	7/10/2001	3.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	M04-05	385-S04-104	7/10/2001	3.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	M04-05	385-S04-127	7/16/2001	3.5 - 13.5	X	X	--	--	--	X	--	X	--	--	--	--
4	M04-05	385-S04-128	7/2/2001	3.5 - 13.5	X	X	--	--	--	X	--	X	--	--	--	--
4	M04-07	385-S04-129	7/2/2001	3.5 - 13.5	--	X	--	--	--	--	--	--	--	--	--	--
4	M04-07	385-S04-129A	7/25/2001	3.5 - 13.5	X	--	--	--	--	X	--	X	--	--	--	--
4	MW360-1	385-S04-077	7/9/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-1	385-S04-078	7/9/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-1	385-S04-079	7/9/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-1	385-S04-080	7/9/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-1	385-S04-081	7/9/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-1	385-S04-123	7/10/2001	5 - 15	X	X	--	--	--	X	--	X	--	--	--	--
4	MW360-2	385-S04-083	7/10/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-2	385-S04-083A	7/10/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-2	385-S04-084	7/10/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-2	385-S04-085	7/10/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-2	385-S04-086	7/10/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-2	385-S04-087	7/10/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-2	385-S04-087A	7/10/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-2	385-S04-124	7/16/2001	5 - 15	X	X	--	--	--	X	--	X	--	--	--	--
4	MW360-3	385-S04-088	7/10/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-3	385-S04-089	7/10/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-3	385-S04-090	7/10/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-3	385-S04-091	7/10/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-3	385-S04-092	7/10/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-3	385-S04-125	7/16/2001	5 - 15	X	X	--	--	--	X	--	X	--	--	--	--
4	MW360-4	385-S04-095	6/27/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-4	385-S04-096	6/27/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-4	385-S04-097	6/27/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-4	385-S04-098	6/27/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-4	385-S04-099	6/27/2001	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	MW360-4	385-S04-126	6/29/2001	5 - 15	X	X	--	--	--	X	--	X	--	--	--	--
4	S04-DGS-DP01	385-S04-209	8/20/2001	8 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP01	385-S04-210	8/20/2001	15 - 17	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP01	385-S04-211	8/20/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP03	385-S04-001	7/3/2001	13	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP05	385-S04-002	8/3/2001	13	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP05	385-S04-003	8/3/2001	25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP05	385-S04-004	8/3/2001	30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP05	385-S04-004A	8/3/2001	30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP05	385-S04-005	8/3/2001	35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP06	385-S04-023	4/27/2002	8	--	X	--	--	X	--	X	--	--	X	--	--
4	S04-DGS-DP09	385-S04-024	7/19/2001	12	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	S04-DGS-DP09	385-S04-024A	7/19/2001	12	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP09	385-S04-025	7/19/2001	20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP09	385-S04-026	7/19/2001	35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP09	385-S04-027	7/19/2001	40	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP09	385-S04-028	7/19/2001	48	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP10	385-S04-029	7/31/2001	7	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP10	385-S04-030	7/31/2001	12	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP10	385-S04-030A	7/31/2001	12	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP10	385-S04-031	7/31/2001	15	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP10	385-S04-032	7/31/2001	25	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP10	385-S04-240	8/30/2001	35 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP10	385-S04-242	8/31/2001	75 - 77	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP10	385-S04-245	9/6/2001	48	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP10	385-S04-246	9/6/2001	60	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP10	385-S04-262	9/20/2001	75 - 77	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP11	385-S04-033	7/31/2001	6	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP11	385-S04-034	7/31/2001	10	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP11	385-S04-035	7/31/2001	20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP11	385-S04-036	7/31/2001	30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP11	385-S04-037	7/31/2001	40	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP11	385-S04-038	8/1/2001	50	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP12	385-S04-039	8/1/2001	6	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP12	385-S04-040	8/1/2001	10	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP12	385-S04-041	8/1/2001	20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP12	385-S04-042	8/1/2001	30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP12	385-S04-043	8/1/2001	40	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP12	385-S04-044	8/1/2001	50	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP13	385-S04-045	8/1/2001	6	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP13	385-S04-045A	8/1/2001	6	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP13	385-S04-046	8/2/2001	10	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP13	385-S04-047	8/2/2001	20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP13	385-S04-048	8/2/2001	30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP13	385-S04-049	8/2/2001	40	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP13	385-S04-050	8/2/2001	50	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP14	385-S04-052	7/24/2001	10	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP14	385-S04-052A	7/24/2001	10	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP14	385-S04-053	7/24/2001	25	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP14	385-S04-054	7/24/2001	35	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP14	385-S04-055	7/24/2001	45	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP14	385-S04-056	7/24/2001	55	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP15	385-S04-058	8/8/2001	8	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP16	385-S04-062	6/20/2001	6 - 9	--	--	--	--	X	--	X	--	--	--	--	--
4	S04-DGS-DP17	385-S04-065	6/20/2001	6 - 8	--	--	--	--	X	--	--	--	--	--	--	--
4	S04-DGS-DP17	385-S04-065A	6/21/2001	6	--	--	--	--	--	--	X	--	--	X	--	--
4	S04-DGS-DP18	385-S04-068	6/19/2001	5 - 5.5	--	--	--	--	X	--	--	--	--	--	--	--
4	S04-DGS-DP18	385-S04-068A	6/21/2001	7	--	--	--	--	--	--	X	--	--	X	--	--
4	S04-DGS-DP19	385-S04-071	6/19/2001	8 - 8.5	--	--	--	--	X	--	--	--	--	--	--	--
4	S04-DGS-DP19	385-S04-071A	6/21/2001	8	--	--	--	--	--	--	X	--	--	X	--	--

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Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	S04-DGS-DP20	385-S04-074	6/19/2001	8 - 8.5	--	--	--	--	X	--	--	--	--	--	--	--
4	S04-DGS-DP20	385-S04-074A	6/21/2001	7	--	--	--	--	--	--	X	--	--	X	--	--
4	S04-DGS-DP21	385-S04-075	7/9/2001	7	--	--	--	--	X	--	X	--	--	X	--	--
4	S04-DGS-DP21	385-S04-076	7/10/2001	12	--	--	--	--	X	--	--	--	--	--	--	--
4	S04-DGS-DP21	385-S04-076A	7/10/2001	12	--	--	--	--	--	--	X	--	--	X	--	--
4	S04-DGS-DP24	385-S04-177	8/10/2001	7	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP24	385-S04-178	8/10/2001	14	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP24	385-S04-179	8/10/2001	20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP24	385-S04-180	8/10/2001	30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP24	385-S04-207	8/20/2001	40	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP24	385-S04-208	8/20/2001	50	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP25	385-S04-193	8/14/2001	7 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP25	385-S04-194	8/14/2001	15 - 17	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP25	385-S04-195	8/14/2001	25 - 27	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP25	385-S04-196	8/14/2001	35 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP25	385-S04-249	9/7/2001	48	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP25	385-S04-250	9/7/2001	60	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP26	385-S04-197	8/14/2001	7	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP26	385-S04-198	8/14/2001	10	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP26	385-S04-198A	8/14/2001	10	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP26	385-S04-199	8/14/2001	20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP26	385-S04-200	8/14/2001	30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP26	385-S04-201	8/15/2001	40	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP26	385-S04-202	8/15/2001	50	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP27	385-S04-187	8/13/2001	7	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP27	385-S04-188	8/13/2001	10	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP27	385-S04-189	8/13/2001	20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP27	385-S04-190	8/14/2001	30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP27	385-S04-191	8/14/2001	38	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP27	385-S04-192	8/14/2001	50	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP28	385-S04-181	8/13/2001	7	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP28	385-S04-182	8/13/2001	10	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP28	385-S04-183	8/13/2001	20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP28	385-S04-184	8/13/2001	30	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP28	385-S04-185	8/13/2001	40	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP28	385-S04-186	8/13/2001	50	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP28	385-S04-186A	8/13/2001	50	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP29	385-S04-203	8/15/2001	15	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP29	385-S04-203A	8/15/2001	15	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP29	385-S04-204	8/15/2001	25	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP29	385-S04-205	8/16/2001	35	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP29	385-S04-206	8/16/2001	45	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP29	385-S04-261	9/17/2001	8 - 10	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP30	385-S04-212	8/20/2001	14	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP30	385-S04-213	8/20/2001	20	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP30	385-S04-214	8/20/2001	35	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP30	385-S04-215	8/20/2001	45	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP30	385-S04-216	8/20/2001	55	--	X	--	--	--	--	--	--	--	--	--	--

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Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	S04-DGS-DP31	385-S04-217	8/21/2001	35 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP31	385-S04-232	8/21/2001	10 - 12	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP31	385-S04-233	8/21/2001	15 - 17	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP31	385-S04-234	8/21/2001	25 - 27	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP31	385-S04-244	8/31/2001	45 - 47	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP31	385-S04-247	9/6/2001	60	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP32	385-S04-222	8/21/2001	6 - 8	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP32	385-S04-223	8/21/2001	10 - 12	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP32	385-S04-224	8/21/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP32	385-S04-225	8/21/2001	5 - 7	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP32	385-S04-226	8/21/2001	10 - 12	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP32	385-S04-226A	8/21/2001	10 - 12	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP32	385-S04-227	8/21/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP32	385-S04-228	8/21/2001	30 - 32	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP34	385-S04-218	8/21/2001	6 - 8	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP34	385-S04-219	8/21/2001	12 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP34	385-S04-220	8/21/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP34	385-S04-221	8/21/2001	30 - 32	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP35	385-S04-229	8/22/2001	15 - 17	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP35	385-S04-230	8/22/2001	25 - 27	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP35	385-S04-231	8/23/2001	8 - 10	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP36	385-S04-232C	8/28/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP36	385-S04-233C	8/28/2001	25 - 27	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP36	385-S04-243	8/31/2001	75 - 77	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP36	385-S04-251	9/7/2001	48	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP36	385-S04-252	9/7/2001	60	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP36	385-S04-263	9/20/2001	75 - 77	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP36	385-S04-264	9/26/2001	12 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP37	385-S04-237	8/29/2001	6 - 8	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP37	385-S04-238	8/29/2001	10 - 12	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP38	385-S04-234C	8/29/2001	5 - 7	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP38	385-S04-235C	8/29/2001	10 - 12	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP38	385-S04-235CA	8/29/2001	10 - 12	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP38	385-S04-236C	8/29/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP39	385-S04-239	8/29/2001	6 - 8	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP40	385-S04-241	8/31/2001	25 - 27	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP40	385-S04-248	9/6/2001	60	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP41	385-S04-256	9/17/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP41	385-S04-257	9/17/2001	35 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP41	385-S04-258	9/17/2001	48 - 50	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP41	385-S04-259	9/17/2001	60 - 62	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP41	385-S04-265	9/26/2001	12 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP42	385-S04-253	9/11/2001	5	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP42	385-S04-254	9/11/2001	10	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP43	385-S04-255	9/11/2001	6	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP44	385-S04-260	9/17/2001	25 - 27	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-DP45	385-S04-266	9/26/2001	12 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP45	385-S04-267	9/26/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	S04-DGS-DP45	385-S04-268	9/26/2001	35 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP45	385-S04-269	10/5/2001	48 - 50	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP45	385-S04-270	10/5/2001	60 - 62	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP47	385-S04-275	10/8/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP47	385-S04-276	10/8/2001	35 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP47	385-S04-277	10/8/2001	48 - 50	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP47	385-S04-278	10/8/2001	60 - 62	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP48	385-S04-279	10/8/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP48	385-S04-280	10/8/2001	35 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP48	385-S04-281	10/8/2001	48 - 50	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-DP48	385-S04-282	10/8/2001	60 - 62	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-VE01	385-S04-138	8/6/2001	8 - 10	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-VE02	385-S04-141	8/7/2001	5 - 6	--	X	--	--	--	--	--	X	--	--	--	--
4	S04-DGS-VE03	385-S04-236	8/21/2001	7	--	X	--	--	--	--	--	--	--	--	--	--
4	S04-DGS-VE04	385-S04-307	4/26/2002	7	--	--	--	--	X	--	--	--	--	X	X	--
4	S04-DGS-VE04	385-S04-307A	4/26/2002	7	--	--	--	--	X	--	--	--	--	--	--	--
4	S04-DGS-VE05	385-S04-310	4/26/2002	7	--	--	--	--	X	--	--	--	--	X	X	--
4	S04-DGS-VE05	385-S04-310A	4/26/2002	7	--	--	--	--	X	--	--	--	--	--	--	--
4	S11-DGS-DP107	385-S11-128	8/24/2001	10	X	X	--	--	--	--	X	--	X	--	--	--
4	S11-DGS-DP107	385-S11-128A	8/24/2001	10	--	X	--	--	--	--	--	--	--	--	--	--
4	S11-DGS-DP107	385-S11-129	8/24/2001	25	X	--	--	--	--	--	X	--	X	--	--	--
4	S11-DGS-DP107	385-S11-129A	8/24/2001	25	--	X	--	--	--	--	--	--	--	--	--	--
4	S11-DGS-DP107	385-S11-130	8/24/2001	50	X	--	--	--	--	--	X	--	X	--	--	--
4	S11-DGS-DP107	385-S11-130A	8/24/2001	50	--	X	--	--	--	--	--	--	--	--	--	--
4	S11-DGS-DP108	385-S11-131	8/30/2001	10	X	--	--	--	--	--	X	--	X	--	--	--
4	S11-DGS-DP108	385-S11-131A	8/30/2001	10	--	X	--	--	--	--	--	--	--	--	--	--
4	S11-DGS-DP108	385-S11-132	8/30/2001	25	X	--	--	--	--	--	X	--	X	--	--	--
4	S11-DGS-DP108	385-S11-132A	8/30/2001	25	--	X	--	--	--	--	--	--	--	--	--	--
4	S11-DGS-DP108	385-S11-133	8/30/2001	50	X	--	--	--	--	--	X	--	X	--	--	--
4	S11-DGS-DP108	385-S11-133A	8/30/2001	50	--	X	--	--	--	--	--	--	--	--	--	--
4	S11-DGS-DP109	385-S11-117	9/18/2001	10 - 12	X	X	--	--	--	--	X	--	X	--	--	--
4	S11-DGS-DP109	385-S11-121	9/18/2001	25 - 27	X	X	--	--	--	--	X	--	X	--	--	--
4	S11-DGS-DP109	385-S11-124	9/18/2001	50 - 52	X	X	--	--	--	--	X	--	X	--	--	--
11	D11-01	385-S11-012	7/3/2001	50 - 60	X	X	--	--	--	X	--	X	--	--	--	--
11	M11-01	385-S11-006	7/2/2001	4 - 9.5	X	X	--	--	--	X	--	X	--	--	--	--
11	M11-02	385-S11-007	7/2/2001	4 - 9.5	X	X	--	--	--	X	--	X	--	--	--	--
11	M11-03	385-S11-008	7/3/2001	4 - 9.5	X	X	--	--	--	X	--	X	--	--	--	--
11	M11-04	385-S11-009	7/3/2001	5 - 12	X	X	--	--	--	X	--	X	--	--	--	--
11	M11-05	385-S11-010	7/3/2001	4 - 14	X	X	--	--	--	X	--	X	--	--	--	--
11	S11-DGS-DP01	385-S11-005	8/1/2001	5 - 7	--	X	--	--	--	--	--	X	--	--	--	--
11	S11-DGS-DP102	385-S11-110	8/27/2001	10 - 12	X	--	--	--	--	--	X	--	X	--	--	--
11	S11-DGS-DP102	385-S11-110A	8/27/2001	10	--	X	--	--	--	--	--	--	--	--	--	--
11	S11-DGS-DP102	385-S11-111	8/27/2001	25 - 27	X	--	--	--	--	--	X	--	X	--	--	--
11	S11-DGS-DP102	385-S11-111A	8/27/2001	25	--	X	--	--	--	--	--	--	--	--	--	--
11	S11-DGS-DP102	385-S11-112	8/27/2001	50 - 52	X	--	--	--	--	--	X	--	X	--	--	--
11	S11-DGS-DP102	385-S11-112A	8/27/2001	50	--	X	--	--	--	--	--	--	--	--	--	--
11	S11-DGS-DP103	385-S11-102	9/18/2001	10 - 12	X	X	--	--	--	--	X	--	X	--	--	--
11	S11-DGS-DP103	385-S11-106	9/18/2001	25 - 27	X	X	--	--	--	--	X	--	X	--	--	--

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Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
11	S11-DGS-DP103	385-S11-109	9/18/2001	50 - 52	X	X	--	--	--	--	X	--	X	--	--	--
11	S11-DGS-DP105	385-S11-125	8/24/2001	10	X	--	--	--	--	--	X	--	X	--	--	--
11	S11-DGS-DP105	385-S11-125A	8/24/2001	10	--	X	--	--	--	--	--	--	--	--	--	--
11	S11-DGS-DP105	385-S11-126	8/24/2001	25	X	--	--	--	--	--	X	--	X	--	--	--
11	S11-DGS-DP105	385-S11-126A	8/24/2001	25	--	X	--	--	--	--	--	--	--	--	--	--
11	S11-DGS-DP105	385-S11-127	8/24/2001	50	X	--	--	--	--	--	X	--	X	--	--	--
11	S11-DGS-DP105	385-S11-127A	8/24/2001	50	--	X	--	--	--	--	--	--	--	--	--	--
11	S11-DGS-HA01	385-S11-001	7/25/2001	9 - 14	--	X	--	--	--	--	--	X	--	--	--	--
11	S11-DGS-HA01	385-S11-001A	7/25/2001	9 - 14	--	X	--	--	--	--	--	X	--	--	--	--
11	S11-DGS-HA02	385-S11-002	7/26/2001	8 - 9.5	--	X	--	--	--	--	--	X	--	--	--	--
11	S11-DGS-HA03	385-S11-003	7/26/2001	8 - 9.5	--	X	--	--	--	--	--	X	--	--	--	--
21	398-MW1	385-S21-024	6/26/2001	2.41 - 12.4	X	X	--	--	--	X	--	X	--	--	--	--
21	398-MW2	385-S21-025	6/26/2001	2.55 - 12.6	X	X	--	--	--	X	--	X	--	--	--	--
21	M07B-01	385-S21-023	6/26/2001	4 - 11	X	X	--	--	--	X	--	X	--	--	--	--
21	M11-06	385-S11-011	7/3/2001	4 - 14	X	X	--	--	--	X	--	X	--	--	--	--
21	OUTFALL G	385-S21-035	7/20/2001		--	X	--	--	--	--	--	X	--	--	--	--
21	S04-DGS-DP46	385-S04-271	10/5/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-DGS-DP46	385-S04-272	10/5/2001	35 - 37	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-DGS-DP46	385-S04-273	10/5/2001	48 - 50	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-DGS-DP46	385-S04-274	10/5/2001	60 - 62	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-DGS-DP46	385-S04-291	10/17/2001	12 - 14	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-DGS-DP49	385-S04-286	10/16/2001	12 - 14	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-DGS-DP49	385-S04-287	10/16/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-DGS-DP49	385-S04-288	10/16/2001	35 - 37	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-DGS-DP49	385-S04-289	10/16/2001	48 - 50	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-DGS-DP49	385-S04-290	10/16/2001	60 - 62	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-DGS-DP51	385-S04-292	11/5/2001	12 - 14	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-DGS-DP51	385-S04-293	11/5/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
21	S04-DGS-DP51	385-S04-294	11/5/2001	30 - 32	--	X	--	--	--	--	--	--	--	--	--	--
21	S11-DGS-DP101	385-S11-135	9/19/2001	10 - 12	X	X	--	--	--	--	X	--	X	--	--	--
21	S11-DGS-DP101	385-S11-139	9/19/2001	25 - 27	X	X	--	--	--	--	X	--	X	--	--	--
21	S11-DGS-DP101	385-S11-142	9/19/2001	50 - 52	X	X	--	--	--	--	X	--	X	--	--	--
21	S11-DGS-DP104	385-S11-113	8/28/2001	10 - 12	X	X	--	--	--	--	X	--	X	--	--	--
21	S11-DGS-DP104	385-S11-113A	8/28/2001	10 - 12	--	X	--	--	--	--	--	--	--	--	--	--
21	S11-DGS-DP104	385-S11-114	8/28/2001	25 - 27	X	--	--	--	--	--	X	--	X	--	--	--
21	S11-DGS-DP104	385-S11-114A	8/28/2001	25 - 27	--	X	--	--	--	--	--	--	--	--	--	--
21	S11-DGS-DP104	385-S11-115	8/28/2001	50 - 52	X	--	--	--	--	--	X	--	X	--	--	--
21	S11-DGS-DP104	385-S11-115A	8/28/2001	50 - 52	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP01	385-S21-002	6/29/2001	15	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP02	385-S21-003	7/18/2001	15 - 17	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP02	385-S21-003A	7/18/2001	15 - 17	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP02	385-S21-004	7/18/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP02	385-S21-005	7/18/2001	30 - 32	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP02	385-S21-006	7/18/2001	40 - 42	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP02	385-S21-007	7/18/2001	50 - 52	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP03	385-S21-008	7/31/2001	15 - 17	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP03	385-S21-009	7/31/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP03	385-S21-010	7/31/2001	30 - 32	--	X	--	--	--	--	--	--	--	--	--	--

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Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
21	S21-DGS-DP03	385-S21-011	8/1/2001	40 - 42	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP03	385-S21-077	9/12/2001	8 - 10	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-DP03	385-S21-078	9/12/2001	15 - 17	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-DP04	385-S21-012	7/20/2001	15	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP04	385-S21-012A	7/20/2001	15	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP04	385-S21-013	7/20/2001	20	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP04	385-S21-014	7/20/2001	30	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP04	385-S21-015	7/20/2001	45	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP05	385-S21-016	7/31/2001	7 - 9	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP05	385-S21-017	7/31/2001	12 - 14	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP05	385-S21-017A	7/31/2001	12 - 14	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP06	385-S21-018	7/31/2001	5 - 7	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP06	385-S21-019	7/31/2001	10 - 12	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP06	385-S21-046A	8/9/2001	15	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP06	385-S21-047	8/9/2001	20	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP07	385-S21-020	7/31/2001	5 - 7	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-DP11	385-S21-056	8/16/2001	15	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-DP11	385-S21-057	8/16/2001	20	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-DP11	385-S21-058	8/16/2001	30	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-DP11	385-S21-059	8/16/2001	40	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-DP11	385-S21-060	8/16/2001	50	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-DP12	385-S21-048	8/9/2001	9	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP12	385-S21-049	8/9/2001	15	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP12	385-S21-050	8/9/2001	25	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP13	385-S21-051	8/17/2001	9 - 11	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP13	385-S21-052	8/17/2001	16 - 18	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP14	385-S21-053	8/20/2001	9 - 11	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP14	385-S21-054	8/20/2001	17 - 19	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP14	385-S21-054A	8/20/2001	17 - 19	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP14	385-S21-055	8/20/2001	25 - 27	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP15	385-S21-063	8/22/2001	15	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-DP16	385-S21-064	8/24/2001	8 - 10	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-DP16	385-S21-065	8/24/2001	15 - 17	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-DP16	385-S21-066	8/24/2001	20 - 22	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-DP17	385-S21-067	9/4/2001	9 - 11	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP17	385-S21-068	9/4/2001	14 - 16	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP18	385-S21-074	9/12/2001	8 - 10	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-DP18	385-S21-075	9/12/2001	15 - 17	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-DP18	385-S21-076	9/12/2001	20 - 22	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-DP19	385-S21-073	9/12/2001	14 - 16	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP19	385-S21-081	11/5/2001	20 - 22	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP19	385-S21-082	11/5/2001	30 - 32	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP101	385-S21-101	8/29/2001	10 - 12	X	X	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP101	385-S21-101A	8/29/2001	10 - 12	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP101	385-S21-102	8/29/2001	25 - 27	X	--	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP101	385-S21-102A	8/29/2001	25 - 27	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP101	385-S21-103	8/29/2001	50 - 52	X	--	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP101	385-S21-103A	8/29/2001	50 - 52	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
21	S21-DGS-DP102	385-S21-104	8/29/2001	10 - 12	X	X	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP102	385-S21-104A	8/29/2001	10 - 12	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP102	385-S21-105	8/29/2001	25 - 27	X	--	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP102	385-S21-105A	8/29/2001	25 - 27	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP102	385-S21-106	8/29/2001	50 - 52	X	--	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP102	385-S21-106A	8/29/2001	50 - 52	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP103	385-S21-107	8/27/2001	10 - 12	X	--	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP103	385-S21-107A	8/27/2001	10	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP103	385-S21-108	8/27/2001	25 - 27	X	--	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP103	385-S21-108A	8/27/2001	25	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP103	385-S21-109	8/27/2001	50 - 52	X	--	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP103	385-S21-109A	8/27/2001	50	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP104	385-S21-111	9/19/2001	10 - 12	X	X	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP104	385-S21-115	9/19/2001	25 - 27	X	X	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP104	385-S21-118	9/19/2001	50 - 52	X	X	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP105	385-S21-119	8/28/2001	10 - 12	X	--	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP105	385-S21-119A	8/28/2001	10 - 12	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP105	385-S21-120	8/28/2001	25 - 27	X	--	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP105	385-S21-120A	8/28/2001	25 - 27	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP105	385-S21-121	8/28/2001	50 - 52	X	--	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP105	385-S21-121A	8/28/2001	50 - 52	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP106	385-S21-122	8/30/2001	10	X	--	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP106	385-S21-122A	8/30/2001	10	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP106	385-S21-123	8/30/2001	25	X	--	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP106	385-S21-123A	8/30/2001	25	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-DP106	385-S21-124	8/30/2001	50	X	--	--	--	--	--	X	--	X	--	--	--
21	S21-DGS-DP106	385-S21-124A	8/30/2001	50	--	X	--	--	--	--	--	--	--	--	--	--
21	S21-DGS-VE01	385-S21-030	8/7/2001	8 - 9	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-VE01	385-S21-030A	8/7/2001	8 - 9	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-VE02	385-S21-033	8/7/2001	8.5 - 9.2	--	X	--	--	--	--	--	X	--	--	--	--
21	S21-DGS-VE03	385-S21-062	8/21/2001	6.5	--	X	--	--	--	--	--	X	--	--	--	--
21	WA-8	385-S21-022	7/9/2001	5 - 15	X	X	--	--	--	X	--	X	--	--	--	--
Pilot Studies, 2002																
3	4-1-ADD1	4-1-ADD1-10	10/29/2001	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD1	4-1-ADD1-15	10/29/2001	12 - 15	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD1	4-1-ADD1-19	10/29/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD1	4-1-ADD1-25	10/29/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD1	4-1-ADD1-30	10/29/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD1	4-1-ADD1-34	10/29/2001	31 - 34	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD2	4-1-ADD2-10	10/22/2001	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD2	4-1-ADD2-14	10/22/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD2	4-1-ADD2-19	10/22/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD2	4-1-ADD2-25	10/22/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD2	4-1-ADD2-30	10/22/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD2	4-1-ADD2-34	10/22/2001	31 - 34	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD2	4-1-ADD2-39	10/22/2001	36 - 39	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD2	4-1-ADD2-45	10/22/2001	41 - 45	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD3	4-1-ADD3-10	10/29/2001	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
3	4-1-ADD3	4-1-ADD3-15	10/29/2001	12 - 15	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD3	4-1-ADD3-19	10/29/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD3	4-1-ADD3-25	10/29/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD3	4-1-ADD3-30	10/29/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD3	4-1-ADD3-34	10/29/2001	31 - 34	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD3	4-1-ADD3-45	10/29/2001	41 - 45	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD4	4-1-ADD4-10	11/13/2001	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD4	4-1-ADD4-15	11/13/2001	12 - 15	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD4	4-1-ADD4-19	11/13/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD4	4-1-ADD4-25	11/13/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD4	4-1-ADD4-30	11/13/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD4	4-1-ADD4-34	12/7/2001	31 - 34	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD4	4-1-ADD4-40	12/7/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD5	4-1-ADD5-10	10/23/2001	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD5	4-1-ADD5-15	10/23/2001	12 - 15	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD5	4-1-ADD5-20	10/23/2001	17 - 20	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD5	4-1-ADD5-25	10/23/2001	22 - 25	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD5	4-1-ADD5-30	10/23/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD5	4-1-ADD5-35	10/23/2001	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD5	4-1-ADD5-40	10/23/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD5	4-1-ADD5-45	10/23/2001	41 - 45	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD6	4-1-ADD6-10	11/15/2001	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD6	4-1-ADD6-15	11/15/2001	12 - 15	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD6	4-1-ADD6-20	11/15/2001	17 - 20	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD6	4-1-ADD6-25	11/15/2001	22 - 25	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD6	4-1-ADD6-30	11/15/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD6	4-1-ADD6-35	11/15/2001	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD6	4-1-ADD6-40	11/15/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD7	4-1-ADD7-10	10/22/2001	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD7	4-1-ADD7-15	10/22/2001	11 - 15	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD7	4-1-ADD7-19	10/22/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD7	4-1-ADD7-24	10/22/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD7	4-1-ADD7-29	10/22/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD7	4-1-ADD7-39	10/22/2001	36 - 39	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD37	4-1-ADD37-09	12/7/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD37	4-1-ADD37-15	12/7/2001	11 - 15	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD37	4-1-ADD37-20	12/7/2001	17 - 20	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD37	4-1-ADD37-25	12/7/2001	22 - 25	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD37	4-1-ADD37-31	12/7/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD53	4-1-ADD53-10	12/5/2001	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD53	4-1-ADD53-15	12/5/2001	12 - 15	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD53	4-1-ADD53-19	12/5/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD53	4-1-ADD53-24	12/5/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD53	4-1-ADD53-30	12/5/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD53	4-1-ADD53-35	12/5/2001	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD53	4-1-ADD53-40	12/5/2001	37 - 40	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD54	4-1-ADD54-09	12/6/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD54	4-1-ADD54-15	12/6/2001	12 - 15	--	X	--	--	--	--	--	--	--	--	--	--

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Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
3	4-1-ADD54	4-1-ADD54-19	12/6/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD54	4-1-ADD54-25	12/6/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD55	4-1-ADD55-10	12/6/2001	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD55	4-1-ADD55-25	12/6/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD56	4-1-ADD56-09	12/5/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD56	4-1-ADD56-15	12/5/2001	12 - 15	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD56	4-1-ADD56-19	12/5/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD56	4-1-ADD56-24	12/5/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD62	4-1-ADD62-10	12/27/2001	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD62	4-1-ADD62-15	12/27/2001	11 - 15	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD62	4-1-ADD62-19	12/27/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD62	4-1-ADD62-24.5	12/27/2001	21 - 24.5	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD62	4-1-ADD62-30	12/27/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD63	4-1-ADD63-09	1/15/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD63	4-1-ADD63-15	1/15/2002	11 - 15	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD63	4-1-ADD63-19	1/15/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD63	4-1-ADD63-24	1/15/2002	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD63	4-1-ADD63-29	1/16/2002	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD63	4-1-ADD63-34.5	1/16/2002	31 - 34.5	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD71	4-1-ADD71-10.5	12/26/2001	7 - 10.5	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD71	4-1-ADD71-15	12/26/2001	12 - 15	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD71	4-1-ADD71-19	12/26/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD71	4-1-ADD71-24	12/26/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD71	4-1-ADD71-30	12/26/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD71	4-1-ADD71-36	12/26/2001	33 - 36	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD80	4-1-ADD80-9	1/9/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD80	4-1-ADD80-21	1/9/2002	13.5 - 17	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD80	4-1-ADD80-17	1/9/2002	18 - 21	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD81	4-1-ADD81-9	1/7/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD81	4-1-ADD81-17	1/7/2002	13.5 - 17	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD81	4-1-ADD81-21	1/7/2002	18 - 21	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD81	4-1-ADD81-24	1/7/2002	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD82	4-1-ADD82-9	1/9/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD82	4-1-ADD82-17	1/9/2002	13.5 - 17	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD82	4-1-ADD82-21	1/9/2002	18 - 21	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD82	4-1-ADD82-24	1/9/2002	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD85	4-1-ADD85-10.5	1/10/2002	7 - 10.5	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD85	4-1-ADD85-15	1/10/2002	12 - 15	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD85	4-1-ADD85-19	1/10/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD85	4-1-ADD85-25	1/10/2002	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD85	4-1-ADD85-30	1/10/2002	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
3	4-1-ADD85	4-1-ADD85-36	1/10/2002	33 - 36	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD10	4-2-ADD10-09	10/3/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD10	4-2-ADD10-14	10/3/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD10	4-2-ADD10-19	10/3/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD10	4-2-ADD10-25	10/3/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD10	4-2-ADD10-31	10/4/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD10	4-2-ADD10-37	10/4/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	4-2-ADD1	4-2-ADD1-09	12/11/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD11	4-2-ADD11-09	10/31/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD11	4-2-ADD11-14	10/31/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD11	4-2-ADD11-19	10/31/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD11	4-2-ADD11-25	10/31/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD11	4-2-ADD11-31	10/31/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD11	4-2-ADD11-37	10/31/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD1	4-2-ADD1-19	12/11/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD12	4-2-ADD12-09	10/11/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD12	4-2-ADD12-19	10/11/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD12	4-2-ADD12-24	10/11/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD12	4-2-ADD12-31	10/11/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD12	4-2-ADD12-37	10/11/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD1	4-2-ADD1-25	12/11/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD13	4-2-ADD13-09	10/25/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD13	4-2-ADD13-15	10/25/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD13	4-2-ADD13-19	10/25/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD13	4-2-ADD13-25	10/25/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD13	4-2-ADD13-31	10/25/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD13	4-2-ADD13-37	10/25/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD13	4-2-ADD13-45	10/25/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD1	4-2-ADD1-37	12/11/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD1	4-2-ADD1-45	12/12/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD15	4-2-ADD15-09	10/3/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD15	4-2-ADD15-14	10/3/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD15	4-2-ADD15-19	10/3/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD15	4-2-ADD15-25	10/3/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD15	4-2-ADD15-31	10/3/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD15	4-2-ADD15-37	10/11/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-09	1/16/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-14	1/16/2002	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-19	1/15/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-25	1/15/2002	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-31	1/16/2002	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-37	1/16/2002	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-41	1/16/2002	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-45	1/16/2002	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD17	4-2-ADD17-10	12/11/2001	7 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD17	4-2-ADD17-19	12/11/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD17	4-2-ADD17-24	12/11/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD17	4-2-ADD17-30	12/11/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD17	4-2-ADD17-36	12/11/2001	32 - 36	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD17	4-2-ADD17-41	12/11/2001	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD18	4-2-ADD18-19.5	12/7/2001	16 - 19.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD18	4-2-ADD18-25	12/7/2001	21.5 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD18	4-2-ADD18-31	12/7/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD18	4-2-ADD18-37	12/7/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD18	4-2-ADD18-41	12/7/2001	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	4-2-ADD18	4-2-ADD18-8.5	12/7/2001	5.5 - 8.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD19	4-2-ADD19-09	12/10/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD19	4-2-ADD19-15	12/10/2001	11 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD19	4-2-ADD19-19	12/10/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD19	4-2-ADD19-25	12/10/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD19	4-2-ADD19-30	12/10/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD19	4-2-ADD19-37	12/10/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD20	4-2-ADD20-10	12/11/2001	7 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD20	4-2-ADD20-19	12/11/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD20	4-2-ADD20-25	12/11/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD20	4-2-ADD20-31	12/11/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD20	4-2-ADD20-37	12/11/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD20	4-2-ADD20-41	12/11/2001	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD20	4-2-ADD20-45	12/11/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD2	4-2-ADD2-08	11/1/2001	5 - 8	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD21	4-2-ADD21-09	12/10/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD21	4-2-ADD21-19	12/10/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD21	4-2-ADD21-25	12/10/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD21	4-2-ADD21-31	12/10/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD21	4-2-ADD21-37	12/10/2001	32 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD21	4-2-ADD21-41	12/10/2001	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD21	4-2-ADD21-45	12/10/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD2	4-2-ADD2-29	11/2/2001	25 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD23	4-2-ADD23-09	12/10/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD23	4-2-ADD23-14	12/10/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD23	4-2-ADD23-19	12/10/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD23	4-2-ADD23-25	12/10/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD23	4-2-ADD23-31	12/10/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD23	4-2-ADD23-37	12/10/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD2	4-2-ADD2-35	11/2/2001	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD24	4-2-ADD24-10	12/14/2001	7 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD24	4-2-ADD24-19	12/14/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD24	4-2-ADD24-25	12/14/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD2	4-2-ADD2-43	11/8/2001	40 - 43	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD24	4-2-ADD24-31	12/14/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD24	4-2-ADD24-37	12/14/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD24	4-2-ADD24-41.5	12/14/2001	38 - 41.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD24	4-2-ADD24-45	12/14/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD26	4-2-ADD26-10	12/18/2001	7 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD26	4-2-ADD26-19	12/18/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD26	4-2-ADD26-25	12/18/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD26	4-2-ADD26-31	12/19/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD26	4-2-ADD26-37	12/19/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD28	4-2-ADD28-10	1/3/2002	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD28	4-2-ADD28-25	1/3/2002	22 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD28	4-2-ADD28-30	1/3/2002	26 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD28	4-2-ADD28-36	1/3/2002	32 - 36	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD29	4-2-ADD29-10	12/19/2001	7 - 10	--	X	--	--	--	--	--	--	--	--	--	--

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Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	4-2-ADD29	4-2-ADD29-14	1/17/2002	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD29	4-2-ADD29-18	1/18/2002	15 - 18	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD29	4-2-ADD29-25	12/19/2001	22 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD29	4-2-ADD29-29	12/19/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD29	4-2-ADD29-37	12/19/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD29	4-2-ADD29-42	12/19/2001	39 - 42	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD30	4-2-ADD30-19	1/8/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD30	4-2-ADD30-36	1/8/2002	32 - 36	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD30	4-2-ADD30-39	1/8/2002	36.5 - 39	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD30	4-2-ADD30-9	1/8/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-14	12/27/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-19A	1/18/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-25	12/27/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-30	12/27/2001	26.5 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-36	12/28/2001	32 - 36	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-39A	1/18/2002	36.5 - 39	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-45A	1/18/2002	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD3	4-2-ADD3-15	11/6/2001	11 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-9	12/27/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD3	4-2-ADD3-19.5	11/7/2001	16 - 19.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-14A	1/8/2002	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-19	1/9/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-25	1/9/2002	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-36	1/9/2002	32 - 36	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-39	1/10/2002	36.5 - 39	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-45	1/10/2002	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD3	4-2-ADD3-25	11/7/2001	21.5 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-9	1/9/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-9A	1/8/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD3	4-2-ADD3-31	11/7/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD33	4-2-ADD33-14	1/10/2002	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD33	4-2-ADD33-19	1/10/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD33	4-2-ADD33-25	1/11/2002	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD33	4-2-ADD33-31	1/11/2002	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD33	4-2-ADD33-37	1/11/2002	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD3	4-2-ADD3-37	11/7/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD33	4-2-ADD33-9	1/10/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD3	4-2-ADD3-41	11/7/2001	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD34	4-2-ADD34-19	1/10/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD34	4-2-ADD34-25	1/10/2002	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD34	4-2-ADD34-31	1/10/2002	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD34	4-2-ADD34-37	1/10/2002	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD34	4-2-ADD34-41	1/10/2002	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD34	4-2-ADD34-45	1/10/2002	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD34	4-2-ADD34-9	1/10/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD35	4-2-ADD35-14	1/11/2002	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD35	4-2-ADD35-25	1/11/2002	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD35	4-2-ADD35-31	1/11/2002	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	4-2-ADD35	4-2-ADD35-37	1/11/2002	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD35	4-2-ADD35-41	1/11/2002	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD36	4-2-ADD36-12	1/10/2002	9 - 12	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD36	4-2-ADD36-17	1/10/2002	14 - 17	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD36	4-2-ADD36-23	1/10/2002	19 - 23	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD36	4-2-ADD36-29	1/10/2002	25 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD36	4-2-ADD36-35	1/10/2002	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD36	4-2-ADD36-8	1/10/2002	5 - 8	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD37	4-2-ADD37-15	1/7/2002	11 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD37	4-2-ADD37-25	1/7/2002	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD37	4-2-ADD37-35	1/7/2002	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD37	4-2-ADD37-45	1/7/2002	41 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD3	4-2-ADD3-8.5	11/6/2001	5.5 - 8.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD4	4-2-ADD4-17.5	11/6/2001	14.5 - 17.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD4	4-2-ADD4-23.5	11/6/2001	19.5 - 23.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD4	4-2-ADD4-29.5	11/6/2001	25.5 - 29.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD4	4-2-ADD4-39.5	11/6/2001	36.5 - 39.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD4	4-2-ADD4-43.5	11/6/2001	40.5 - 43.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD4	4-2-ADD4-7.5	11/5/2001	4.5 - 7.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD5	4-2-ADD5-08	1/14/2002	5 - 8	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD5	4-2-ADD5-17	1/14/2002	14 - 17	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD5	4-2-ADD5-23	1/14/2002	19 - 23	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD5	4-2-ADD5-29	1/14/2002	25 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD5	4-2-ADD5-35	1/14/2002	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD6	4-2-ADD6-09	10/3/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD6	4-2-ADD6-19	10/3/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD6	4-2-ADD6-25	10/3/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD6	4-2-ADD6-31	10/3/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD6	4-2-ADD6-37	10/11/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD6	4-2-ADD6-41	12/7/2001	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-09	11/1/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-14	10/24/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-17.5	10/24/2001	16 - 17.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-19	11/1/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-25	11/1/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-31	11/1/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-37	11/1/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-41	11/1/2001	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-45	11/8/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-47	11/8/2001	46 - 47	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD9	4-2-ADD9-09	10/15/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD9	4-2-ADD9-19	10/15/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD9	4-2-ADD9-25	10/15/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD9	4-2-ADD9-31	10/15/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD9	4-2-ADD9-37	10/15/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
Basewide Groundwater Monitoring, 2003																
3	398-MW4	398-MW4-A1078	6/20/2002	2.85 - 12.9	--	X	--	--	X	--	X	X	X	--	--	--
3	398-MW4	398-MW4-A1296	9/6/2002	2.85 - 12.9	--	X	--	--	--	--	--	X	--	--	--	--

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Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
3	398-MW4	398-MW4-A1579	12/10/2002	2.85 - 12.9	--	X	--	--	X	--	X	X	X	--	--	--
3	D03-01	D03-01-A1080	7/3/2002	49.5 - 59.5	--	X	--	--	X	--	X	X	--	--	--	--
3	D03-01	D03-01-A1581	12/10/2002	49.5 - 59.5	--	X	--	--	X	--	X	X	--	--	--	--
3	M03-04	M03-04-A1086	6/20/2002	3 - 11	--	X	--	--	X	--	X	X	--	--	--	--
3	M03-04	M03-04-A1298	9/6/2002	3 - 11	--	X	--	--	--	--	--	X	--	--	--	--
3	M03-04	M03-04-A1587	12/10/2002	3 - 11	--	X	--	--	X	--	X	X	--	--	--	--
3	M03-07	M03-07-A1090	6/21/2002	3 - 13	--	X	--	--	X	--	X	X	--	--	--	--
3	M03-07	M03-07-A1591	12/11/2002	3 - 13	--	X	--	--	X	--	X	X	--	--	--	--
3	M03-09	M03-09-A1301	9/6/2002	21 - 33	--	X	--	--	X	--	--	X	--	--	--	--
3	M03-09	M03-09-A1733	12/13/2002	21 - 33	--	X	--	--	X	--	--	X	--	--	--	--
3	MW97-3	MW97-3-A1099	7/3/2002	5 - 15	--	X	--	--	X	--	X	X	--	--	--	--
3	MW97-3	MW97-3-A1313	9/6/2002	5 - 15	--	X	--	--	X	--	--	X	--	--	--	--
3	MW97-3	MW97-3-A1600	12/10/2002	5 - 15	--	X	--	--	X	--	X	X	--	--	--	--
4	372-MW1	372-MW1-A1300	7/11/2002	2.5 - 12.5	--	X	--	--	X	--	X	X	X	--	--	--
4	D04-01	D04-01-A1081	7/3/2002	86 - 96	--	X	--	--	X	--	X	X	X	--	--	--
4	D04-01	D04-01-A1582	12/10/2002	86 - 96	--	X	--	--	X	--	X	X	X	--	--	--
4	D04-02	D04-02-A1082	7/3/2002	86.5 - 96.5	--	X	--	--	X	--	X	X	X	--	--	--
4	D04-02	D04-02-A1583	12/10/2002	86.5 - 96.5	--	X	--	--	X	--	X	X	X	--	--	--
4	D04-03	D04-03-A1083	7/3/2002	84 - 94	--	X	--	--	X	--	X	X	--	--	--	--
4	D04-03	D04-03-A1584	12/10/2002	84 - 94	--	X	--	--	X	--	X	X	--	--	--	--
4	M03-05	M03-05-A1088	7/3/2002	3 - 13	--	X	--	--	X	--	X	X	X	--	--	--
4	M03-05	M03-05-A1589	12/9/2002	3 - 13	--	X	--	--	X	--	X	X	X	--	--	--
4	M03-06	M03-06-A1089	7/3/2002	3 - 12	--	X	--	--	X	--	X	X	X	--	--	--
4	M03-06	M03-06-A1300	9/6/2002	3 - 12	--	X	--	--	X	--	--	X	--	--	--	--
4	M03-06	M03-06-A1590	12/11/2002	3 - 12	--	X	--	--	X	--	X	X	X	--	--	--
4	M03-10	M03-10-A1302	9/6/2002	28 - 38	--	X	--	--	X	--	--	X	--	--	--	--
4	M03-10	M03-10-A1734	12/13/2002	28 - 38	--	X	--	--	X	--	--	X	--	--	--	--
4	M03-11	M03-11-A1303	9/9/2002	26 - 36	--	X	--	--	X	--	--	X	--	--	--	--
4	M03-11	M03-11-A1735	12/13/2002	26 - 36	--	X	--	--	X	--	--	X	--	--	--	--
4	M03-11	M03-11-A1956	4/11/2003	26 - 36	--	X	--	--	--	--	--	X	--	--	--	--
4	M03-12	M03-12-A1304	9/9/2002	26 - 36	--	X	--	--	X	--	--	X	--	--	--	--
4	M03-12	M03-12-A1736	12/13/2002	26 - 36	--	X	--	--	X	--	--	X	--	--	--	--
4	M03-13	M03-13-A1305	9/9/2002	26.5 - 36.5	--	X	--	--	X	--	--	X	--	--	--	--
4	M03-13	M03-13-A1737	12/13/2002	26.5 - 36.5	--	X	--	--	X	--	--	X	--	--	--	--
4	M04-05	M04-05-A1091	6/21/2002	3.5 - 13.5	--	X	--	--	X	--	X	X	X	--	--	--
4	M04-05	M04-05-A1306	9/9/2002	3.5 - 13.5	--	X	--	--	X	--	--	X	--	--	--	--
4	M04-05	M04-05-A1592	12/9/2002	3.5 - 13.5	--	X	--	--	X	--	X	X	X	--	--	--
4	M04-06	M04-06-A1092	6/21/2002	3.5 - 13.5	--	X	--	--	X	--	X	X	--	--	--	--
4	M04-06	M04-06-A1593	12/11/2002	3.5 - 13.5	--	X	--	--	X	--	X	X	--	--	--	--
4	M04-06	M04-06-A1593A	1/8/2003	3.5 - 13.5	--	--	--	--	--	--	X	--	--	--	--	--
4	MW360-1	MW-360-01-A1100	6/19/2002	5 - 15	--	X	--	--	X	--	X	X	--	--	--	--
4	MW360-1	MW360-1-A1314	9/9/2002	5 - 15	--	X	--	--	X	--	--	X	--	--	--	--
4	MW360-1	MW360-1-A1601	12/10/2002	5 - 15	--	X	--	--	X	--	X	X	--	--	--	--
4	MW360-2	MW-360-02-A1101	6/19/2002	5 - 15	--	X	--	--	X	--	X	X	X	--	--	--
4	MW360-2	MW360-2-A1315	9/9/2002	5 - 15	--	X	--	--	X	--	--	X	--	--	--	--
4	MW360-2	MW360-2-A1602	12/9/2002	5 - 15	--	X	--	--	X	--	X	X	X	--	--	--
4	MW360-3	MW360-3-A1102	6/19/2002	5 - 15	--	X	--	--	X	--	X	X	--	--	--	--
4	MW360-3	MW360-3-A1316	9/9/2002	5 - 15	--	X	--	--	X	--	--	X	--	--	--	--

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Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	MW360-3	MW360-3-A1603	12/9/2002	5 - 15	--	X	--	--	X	--	X	X	--	--	--	--
4	MW360-4	MW360-4-A1103	6/19/2002	5 - 15	--	X	--	--	X	--	X	X	--	--	--	--
4	MW360-4	MW360-4-A1317	9/9/2002	5 - 15	--	X	--	--	X	--	--	X	--	--	--	--
4	MW360-4	MW360-4-A1604	12/10/2002	5 - 15	--	X	--	--	X	--	X	X	--	--	--	--
11	D11-01	D11-01-A1084	7/8/2002	50 - 60	--	X	--	--	X	--	X	X	X	--	--	--
11	D11-01	D11-01-A1585	12/10/2002	50 - 60	--	X	--	--	X	--	X	X	X	--	--	--
11	M11-01	M11-01-A1094	6/21/2002	4 - 9.5	--	X	--	--	X	--	X	X	X	--	--	--
11	M11-01	M11-01-A1308	9/6/2002	4 - 9.5	--	X	--	--	--	--	--	X	--	--	--	--
11	M11-01	M11-01-A1595	12/9/2002	4 - 9.5	--	X	--	--	X	--	X	X	X	--	--	--
11	M11-04	M11-04-A1095	6/20/2002	5 - 12	--	X	--	--	X	--	X	X	--	--	--	--
11	M11-04	M11-04-A1309	9/6/2002	5 - 12	--	X	--	--	--	--	--	X	--	--	--	--
11	M11-04	M11-04-A1596	12/9/2002	5 - 12	--	X	--	--	X	--	X	X	--	--	--	--
11	M11-05	M11-05-A1096	6/20/2002	4 - 14	--	X	--	--	X	--	X	X	X	--	--	--
11	M11-05	M11-05-A1310	9/9/2002	4 - 14	--	X	--	--	--	--	--	X	--	--	--	--
11	M11-05	M11-05-A1597	12/9/2002	4 - 14	--	X	--	--	X	--	X	X	X	--	--	--
21	M07B-01	M07B-01-A1093	6/20/2002	4 - 11	--	X	--	--	X	--	X	X	--	--	--	--
21	M07B-01	M07B-01-A1307	9/6/2002	4 - 11	--	X	--	--	--	--	--	X	--	--	--	--
21	M07B-01	M07B-01-A1594	12/9/2002	4 - 11	--	X	--	--	X	--	X	X	--	--	--	--
21	M11-06	M11-06-A1097	6/20/2002	4 - 14	--	X	--	--	X	--	X	X	--	--	--	--
21	M11-06	M11-06-A1311	9/9/2002	4 - 14	--	X	--	--	--	--	--	X	--	--	--	--
21	M11-06	M11-06-A1598	12/9/2002	4 - 14	--	X	--	--	X	--	X	X	--	--	--	--
21	WA-8	WA-8-A1104	6/20/2002	5 - 15	--	X	--	--	X	--	X	X	X	--	--	--
21	WA-8	WA-8-A1318	9/6/2002	5 - 15	--	X	--	--	--	--	--	X	--	--	--	--
21	WA-8	WA-8-A1605	12/9/2002	5 - 15	--	X	--	--	X	--	X	X	X	--	--	--
ENVIRONMENTAL BASELINE SURVEYS																
Environmental Baseline Survey Phase 2B, 1995																
3	116-Z21-005	116-0009	11/8/1995	8 - 9	X	--	X	X	--	--	--	--	--	--	--	--
3	118-Z21-007	118-0011	11/8/1995	8 - 9	X	--	X	X	--	--	--	--	--	--	--	--
3	129-003-007	129-0018	11/10/1995	8 - 9	--	--	--	X	--	--	--	--	--	--	--	--
4	134-006-026	134-0041	10/12/1995	8.5 - 9.5	--	--	--	--	--	--	--	X	--	--	--	--
4	134-006-027	134-0043	10/16/1995	10 - 10	--	--	--	--	--	--	--	X	--	--	--	--
4	134-006-028	134-0045	10/11/1995	7.5 - 8.5	--	--	--	--	--	--	--	X	--	--	--	--
4	134-006-028	134-0045RS	11/6/1995	8 - 9	--	--	--	--	--	--	--	X	--	--	--	--
4	134-006-030	134-0049	10/11/1995	7.5 - 8.5	--	--	--	--	--	--	--	X	--	--	--	--
4	134-006-030	134-0049RS	11/6/1995	8 - 9	--	--	--	--	--	--	--	X	--	--	--	--
4	134-006-031	134-0051	10/12/1995	8.5 - 9.5	--	--	--	--	--	--	--	X	--	--	--	--
4	134-006-033	134-0055	10/12/1995	9 - 10	--	--	--	--	--	--	--	X	--	--	--	--
4	134-006-034	134-0057	10/12/1995	9 - 10	--	X	--	--	--	--	--	X	--	--	--	--
4	134-006-037	134-0062	10/12/1995	10 - 12	--	X	--	X	--	--	--	X	--	--	--	--
4	134-006-038	134-0065	10/13/1995	8 - 9	X	X	--	--	--	--	--	X	--	--	--	--
4	134-006-040	134-0068	10/13/1995	8 - 9	X	X	--	--	--	--	--	X	--	--	--	--
4	134-006-042	134-0073	10/13/1995	7 - 8	--	--	--	--	--	--	--	X	--	--	--	--
21	126-003-009	126-0020	10/31/1995	8 - 9	X	--	--	--	--	--	--	X	--	--	--	--
Environmental Baseline Survey Phase 2C, 1998																
3	116-0013	116-0013	12/28/1998	9 12	--	X	--	X	--	--	--	--	--	--	--	--
3	116-0013	116-0014	12/28/1998	9 12	--	--	--	X	--	--	--	--	--	--	--	--
3	118-0015	118-0015	12/28/1998	9 12	--	X	--	X	--	--	--	--	--	--	--	--
3	118-0015	118-0016	12/28/1998	9 12	--	--	--	X	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
TPH INVESTIGATION																
Fuel Line and Underground Storage Tank Investigations																
3	030-FLI-509	030-FLI-509	10/30/1998	4.5 - 5	--	X	--	--	--	--	--	X	--	--	--	--
3	097-001	030-USTF-031	9/1/1999	10	--	X	--	X	--	--	--	X	--	--	--	--
3	097-002	030-USTF-032	9/2/1999	10	--	X	--	X	--	--	--	X	--	--	--	--
3	097-003	030-USTF-033	9/1/1999	10	--	X	--	X	--	--	--	X	--	--	--	--
3	097-004	030-USTF-028	9/2/1999	10	--	X	--	X	--	--	--	X	--	--	--	--
3	097-005	030-USTF-029	9/2/1999	10	--	X	--	X	--	--	--	X	--	--	--	--
3	097-006	030-USTF-030	9/2/1999	10	--	X	--	X	--	--	--	X	--	--	--	--
3	097-007	030-USTF-034	9/2/1999	10	--	X	--	X	--	--	--	X	--	--	--	--
3	097-008	030-USTF-035	9/2/1999	10	--	X	--	X	--	--	--	X	--	--	--	--
3	097-009	030-USTF-036	9/2/1999	10	--	X	--	X	--	--	--	X	--	--	--	--
3	097-010	030-USTF-017	9/2/1999	10	--	X	--	--	--	--	--	--	--	--	--	--
3	393-002	030-USTF-090	9/7/1999	10	--	X	--	--	--	--	--	--	--	--	--	--
3	393-003	030-USTF-091	9/7/1999	10	--	X	--	--	--	--	--	--	--	--	--	--
3	398-11-ERM	398-W11	1/16/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
3	398-13-ERM	398-W13	1/16/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
3	398-14-ERM	398-W14	1/16/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
3	398-15-ERM	398-W15	1/16/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
3	398-16-ERM	398-W16	1/16/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
3	398-17-ERM	398-W17	1/16/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
3	398-18-ERM	398-W18	1/16/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
3	398-1-MOJ	398-P1W	9/4/1997	0 - 0	--	--	--	--	--	--	--	X	--	--	--	--
3	398-2-MOJ	398-P2W	9/5/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
3	398-MW3	398-MW3	2/9/1995	3.3 - 13.3	--	X	--	--	--	--	--	X	--	--	--	--
3	398-MW3	398-MW3	12/17/1997	3.3 - 13.3	--	X	--	--	--	--	--	X	--	--	--	--
3	398-MW3	398-MW3	3/17/1998	3.3 - 13.3	--	X	--	--	--	--	--	X	--	--	--	--
3	398-MW3	398-MW3	9/28/1998	3.3 - 13.3	--	X	--	--	--	--	--	X	--	--	--	--
3	398-MW3	398-MW3	4/6/1999	3.3 - 13.3	--	X	--	--	--	--	--	X	--	--	--	--
3	398-MW3	030-CAP-033	5/1/2000	3.76 - 13.8	--	X	--	--	--	--	--	--	--	--	--	--
3	398-MW4	398-MW4	2/9/1995	2.9 - 12.9	--	X	--	--	--	--	--	X	--	--	--	--
3	398-MW4	398-MW4	12/18/1997	2.9 - 12.9	--	X	--	--	--	--	--	X	--	--	--	--
3	398-MW4	398-MW4	3/17/1998	2.9 - 12.9	--	X	--	--	--	--	--	X	--	--	--	--
3	398-MW4	398-MW4	9/28/1998	2.9 - 12.9	--	X	--	--	--	--	--	X	--	--	--	--
3	398-MW4	398-MW4	4/6/1999	2.9 - 12.9	--	X	--	--	--	--	--	X	--	--	--	--
3	398-MW4	030-CAP-034	5/1/2000	2.85 - 12.9	--	X	--	--	--	--	--	--	--	--	--	--
3	CA03-02	030-CAP-008	4/26/2000	3 - 8	--	--	--	--	X	--	--	--	--	--	--	--
3	CA03-02	030-CAP-008	4/26/2000	3 - 8	--	X	--	--	--	--	--	X	--	--	--	--
4	030-S07-016	030-S07-016	10/9/1998	7.5 - 8.5	X	X	--	X	--	--	--	X	--	--	--	--
4	030-S19-011	030-S19-011	11/2/1998	7.5	X	X	X	X	--	--	--	X	--	--	--	--
4	163-001	163-0015	8/19/1999	5 - 12	--	X	--	X	--	--	--	X	--	--	--	--
4	372-10-ERM	372-W10	1/10/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-10-MOJ	372-P10	9/3/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-11-ERM	372-W11	1/10/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-11-MOJ	372-P11	9/3/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-12-ERM	372-W12	1/10/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-13-ERM	372-W13	1/10/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-14-ERM	372-W14	1/10/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

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Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	372-14-MOJ	372-P14	9/22/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-15-ERM	372-W15	1/10/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-15-MOJ	372-P15	9/22/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-16-ERM	372-W16	1/10/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-16-MOJ	372-P16	10/6/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-17-ERM	372-W17	1/10/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-17-MOJ	372-P17	10/6/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-18-ERM	372-W18	1/10/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-19-ERM	372-W19	8/22/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-1-ERM	372-W1	1/9/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-20-ERM	372-W20	8/22/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-2-ERM	372-W2	1/9/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-3-ERM	372-W3	1/9/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-3-MOJ	372-P3	9/4/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-4-ERM	372-W4	1/9/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-4-MOJ	372-P4	9/4/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-5-ERM	372-W5	1/9/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-5-MOJ	372-P5	9/4/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-6-ERM	372-W6	1/9/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-6-MOJ	372-P6	9/2/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-7-ERM	372-W7	1/9/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-7-MOJ	372-P7	9/2/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-8-ERM	372-W8	1/10/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-8-MOJ	372-P8	9/2/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-9-ERM	372-W9	1/10/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-9-MOJ	372-P9	9/3/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
4	372-MW1	372-MW1	2/7/1995	2.5 - 12.5	--	X	--	--	--	--	--	X	--	--	--	--
4	372-MW1	372-MW1	12/17/1997	2.5 - 12.5	--	X	--	--	--	--	--	X	--	--	--	--
4	372-MW1	372-MW1	3/17/1998	2.5 - 12.5	--	X	--	--	--	--	--	X	--	--	--	--
4	372-MW1	372-MW1	9/28/1998	2.5 - 12.5	--	X	--	--	--	--	--	X	--	--	--	--
4	372-MW3	372-MW3	2/7/1995	2.5 - 12.5	--	X	--	--	--	--	--	X	--	--	--	--
4	372-MW3	372-MW3	12/17/1997	2.5 - 12.5	--	X	--	--	--	--	--	X	--	--	--	--
4	372-MW3	372-MW3	3/17/1998	2.5 - 12.5	--	X	--	--	--	--	--	X	--	--	--	--
4	372-MW3	372-MW3	9/28/1998	2.5 - 12.5	--	X	--	--	--	--	--	X	--	--	--	--
4	372-MW3	372-MW3	4/2/1999	2.5 - 12.5	--	X	--	--	--	--	--	X	--	--	--	--
4	CA04-01	030-CAP-036	4/27/2000	10	--	X	--	--	X	--	X	X	X	--	--	--
4	CA04-02	030-CAP-037	4/27/2000	10	--	X	--	--	X	--	X	X	X	--	--	--
4	CA04-05	030-CAP-058	4/27/2000	10	--	X	--	--	--	--	--	--	--	--	--	--
4	CA04-05	030-CAP-059	4/27/2000	46 - 50	--	X	--	--	--	--	--	--	--	--	--	--
4	CA04-06	030-CAP-060	4/27/2000	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	CA04-06	030-CAP-061	4/27/2000	46 - 50	--	X	--	--	--	--	--	--	--	--	--	--
11	030-MOD1-9/10	030-MOD1-10	11/20/1998	9 - 9.5	--	X	--	X	--	--	--	X	--	--	--	--
11	030-MOD1-9/10	030-MOD1-9	11/20/1998	9 - 9.5	--	X	--	X	--	--	--	X	--	--	--	--
11	030-MOD1-45	030-MOD1-45	11/20/1998	9 - 9.5	--	X	--	X	--	--	--	X	--	--	--	--
11	030-MOD1-67	030-MOD1-67	11/20/1998	9	--	X	--	X	--	--	--	X	--	--	--	--
11	030-MOD1-145	030-MOD1-145	11/24/1998	7	--	X	--	X	--	--	--	X	--	--	--	--
11	030-S07-013	030-S07-013A	9/30/1998	7.5 - 8	X	X	--	--	--	--	--	X	--	--	--	--
11	030-S07-013	030-S07-013B	10/1/1998	7.5 - 8	--	--	--	X	--	--	--	--	--	--	--	--

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Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
11	030-S07-014	030-S07-014	9/30/1998	8 - 9	X	X	--	X	--	--	--	X	--	--	--	--
11	030-S07-015	030-S07-015	10/6/1998	5.5 - 6	X	X	--	X	--	--	--	X	--	--	--	--
11	030-S07-018	030-S07-018	10/14/1998	6.5 - 7	X	X	--	X	--	--	--	X	--	--	--	--
11	14-1L	14-1L	11/17/1994	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	14-4L	14-4L	11/22/1994	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-1-MOJ	37-P1	8/21/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-2-MOJ	37-P2	8/22/1997	0 - 0	--	--	--	--	--	--	--	X	--	--	--	--
11	37-3-MOJ	37-P3	8/21/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-4-MOJ	37-P4	8/21/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-5-MOJ	37-P5	8/22/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-6-MOJ	37-P6	8/19/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-7-MOJ	37-P7	8/21/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-8-MOJ	37-P8	8/18/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-9-MOJ	37-P9	8/18/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-10-MOJ	37-P10	8/18/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-19-MOJ	37-P19	8/18/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-20-MOJ	37-P20	8/19/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-21L	37-21L	6/29/1995	0 - 0	--	X	--	--	--	X	--	X	--	--	--	--
11	37-21-MOJ	37-P21	8/19/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-22-MOJ	37-P22	8/19/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-23L	37-23L	7/13/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-23-MOJ	37-P23	8/26/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-24-MOJ	37-P24	8/19/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-25-MOJ	37-P25	8/19/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-26-MOJ	37-P26	8/22/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-27-MOJ	37-P27	8/21/1997	0 - 0	--	--	--	--	--	--	--	X	--	--	--	--
11	37-39-MOJ	37-P39	8/29/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-40-MOJ	37-P40	9/4/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-41-MOJ	37-P41	9/4/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-43-MOJ	37-P43	9/19/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-44-MOJ	37-P44	9/19/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-45-MOJ	37-P45	9/19/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-46-MOJ	37-P46	9/19/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-47-MOJ	37-P47	9/19/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-48-MOJ	37-P48	9/19/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-49-MOJ	37-P49	9/19/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-76-MOJ	37-P76	10/3/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-77-MOJ	37-P77	10/3/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-78-MOJ	37-P78	10/3/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-83-MOJ	37-P83	10/3/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-84-MOJ	37-P84	10/3/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-MJ-MW3	37-MJ-MW-3	12/12/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-MJ-MW3	37-MJ-MW-3	3/16/1998	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-MJ-MW-4	37-MJ-MW-4	12/12/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-MJ-MW-4	37-MJ-MW-4	3/16/1998	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-MJ-MW-4	37-MJ-MW-4	11/24/1998	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-MJ-MW-4	37-MJ-MW-4	4/6/1999	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--

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					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
11	37-MJ-MW-5	37-MJ-MW-5	12/12/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-MJ-MW-5	37-MJ-MW-5	3/16/1998	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-MJ-MW-5	37-MJ-MW-5	11/24/1998	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-MJ-MW-5	37-MJ-MW-5	4/6/1999	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-MJ-MW7	37-MJ-MW-7	12/12/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	37-MJ-MW7	37-MJ-MW-7	3/16/1998	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
11	CA11-01	030-CAP-127	5/2/2000	10	--	X	--	--	X	--	X	X	X	--	--	--
11	CA11-02	030-CAP-128	5/2/2000	10	--	X	--	--	X	--	X	X	X	--	--	--
11	CA11-09	030-CAP-138	5/2/2000	10	--	X	--	--	X	--	X	X	X	--	--	--
11	CA11-10	030-CAP-136	5/2/2000	10	--	X	--	--	X	--	X	X	X	--	--	--
11	CA11-11	030-CAP-137	5/3/2000	10	--	X	--	--	X	--	X	X	X	--	--	--
11	CA11-12	030-CAP-135	5/3/2000	10	--	X	--	--	X	--	X	X	X	--	--	--
11	CA11-13	030-CAP-139	5/3/2000	10	--	X	--	--	X	--	X	X	X	--	--	--
11	CA11-14	030-CAP-151	4/28/2000	3 - 8	--	--	--	--	X	--	--	--	--	--	--	--
11	CA11-14	030-CAP-151	4/28/2000	3 - 8	--	X	--	--	--	--	--	X	--	--	--	--
11	CA11-15	030-CAP-152	4/28/2000	3 - 8	--	--	--	--	X	--	--	--	--	--	--	--
11	CA11-15	030-CAP-152	4/28/2000	3 - 8	--	X	--	--	--	--	--	X	--	--	--	--
11	CA11-16	030-CAP-153	5/2/2000	3 - 8	--	--	--	--	X	--	--	--	--	--	--	--
11	CA11-16	030-CAP-153	5/2/2000	3 - 8	--	X	--	--	--	--	--	X	--	--	--	--
11	CA11-17	030-CAP-155	5/2/2000	3 - 8	--	--	--	--	X	--	--	--	--	--	--	--
11	CA11-17	030-CAP-155	5/2/2000	3 - 8	--	X	--	--	--	--	--	X	--	--	--	--
11	CA11-21	030-CAP-167	4/28/2000	3 - 8	--	--	--	--	X	--	--	--	--	--	--	--
11	CA11-21	030-CAP-167	4/28/2000	3 - 8	--	X	--	--	--	--	--	X	--	--	--	--
11	CA11-22	030-CAP-168	4/28/2000	3 - 8	--	--	--	--	X	--	--	--	--	--	--	--
11	CA11-22	030-CAP-168	4/28/2000	3 - 8	--	X	--	--	--	--	--	X	--	--	--	--
11	CA11-23	030-CAP-169	4/28/2000	3 - 8	--	--	--	--	X	--	--	--	--	--	--	--
11	CA11-23	030-CAP-169	4/28/2000	3 - 8	--	X	--	--	--	--	--	X	--	--	--	--
11	CA11-24	030-CAP-170	4/28/2000	3 - 8	--	--	--	--	X	--	--	--	--	--	--	--
11	CA11-24	030-CAP-170	4/28/2000	3 - 8	--	X	--	--	--	--	--	X	--	--	--	--
11	CA11-25	030-CAP-171	4/28/2000	3 - 8	--	--	--	--	X	--	--	--	--	--	--	--
11	CA11-25	030-CAP-171	4/28/2000	3 - 8	--	X	--	--	--	--	--	X	--	--	--	--
21	162-001	030-USTF-069	9/2/1999	10	--	X	--	--	--	--	--	--	--	--	--	--
21	398-1-ERM	398-W1	1/11/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
21	398-2-ERM	398-W2	1/11/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
21	398-3-ERM	398-W3	1/11/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
21	398-3-MOJ	398-P3W	9/4/1997	0 - 0	--	--	--	--	--	--	--	X	--	--	--	--
21	398-4-ERM	398-W4	1/11/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
21	398-5-ERM	398-W5	1/11/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
21	398-5-MOJ	398-P5W	9/2/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
21	398-6-ERM	398-W6	1/11/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
21	398-6-MOJ	398-P6W	9/5/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
21	398-7-ERM	398-W7	1/11/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
21	398-7-MOJ	398-P7W	9/5/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
21	398-8-ERM	398-W8	1/11/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
21	398-8-MOJ	398-P8W	9/2/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
21	398-9-ERM	398-W9	1/11/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
21	398-9-MOJ	398-P9W	9/2/1997	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
21	398-10-ERM	398-W10	1/11/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
21	398-12-ERM	398-W12	1/16/1995	0 - 0	--	X	--	--	--	--	--	X	--	--	--	--
21	398-A19	030-CAP-035	5/1/2000	5 - 15	--	X	--	--	--	--	--	--	--	--	--	--
21	398-L	398-L	4/27/1995	7	--	X	--	X	--	--	--	X	--	--	--	--
21	398-MW1	030-CAP-031	5/1/2000	2.41 - 12.4	--	X	--	--	--	--	--	--	--	--	--	--
21	398-MW1	398-MW1	2/9/1995	2.4 - 12.4	--	X	--	--	--	--	--	X	--	--	--	--
21	398-MW1	398-MW1	12/17/1997	2.4 - 12.4	--	X	--	--	--	--	--	X	--	--	--	--
21	398-MW1	398-MW1	3/17/1998	2.4 - 12.4	--	X	--	--	--	--	--	X	--	--	--	--
21	398-MW1	398-MW1	9/30/1998	2.4 - 12.4	--	X	--	--	--	--	--	X	--	--	--	--
21	398-MW1	398-MW1	4/6/1999	2.4 - 12.4	--	X	--	--	--	--	--	X	--	--	--	--
21	398-MW2	030-CAP-032	5/1/2000	2.55 - 12.6	--	X	--	--	--	--	--	--	--	--	--	--
21	398-MW2	398-MW2	2/9/1995	2.6 - 12.6	--	X	--	--	--	--	--	X	--	--	--	--
21	398-MW2	398-MW2	12/17/1997	2.6 - 12.6	--	X	--	--	--	--	--	X	--	--	--	--
21	398-MW2	398-MW2	3/17/1998	2.6 - 12.6	--	X	--	--	--	--	--	X	--	--	--	--
21	398-MW2	398-MW2	9/28/1998	2.6 - 12.6	--	X	--	--	--	--	--	X	--	--	--	--
21	398-MW2	398-MW2	4/6/1999	2.6 - 12.6	--	X	--	--	--	--	--	X	--	--	--	--
21	CA03-01	030-CAP-006	4/27/2000	10	--	X	--	--	X	--	X	X	X	--	--	--
21	CA11-20	030-CAP-166	4/28/2000	3 - 8	--	X	--	--	X	--	--	X	--	--	--	--
REMOVAL ACTIONS																
Chemical Oxidation Removal Action, 2002																
4	11/21-CH1	11/21-CH1-10	7/9/2002	8 - 12	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH1	11/21-CH1-20	7/9/2002	18 - 22	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH1	11/21-CH1-30	7/10/2002	28 - 32	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH1	11/21-CH1-40	7/10/2002	38 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH1	11/21-CH1-50	7/10/2002	48 - 52	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH2	11/21-CH2-10	7/10/2002	8 - 12	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH2	11/21-CH2-20	7/10/2002	18 - 22	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH2	11/21-CH2-30	7/10/2002	28 - 32	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH2	11/21-CH2-40	7/10/2002	38 - 42	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH2	11/21-CH2-50	7/10/2002	48 - 52	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH3	11/21-CH3-10	7/10/2002	8 - 12	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH3	11/21-CH3-10D	7/10/2002	8 - 12	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH3	11/21-CH3-20	7/10/2002	18 - 22	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH3	11/21-CH3-30	7/10/2002	28 - 32	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH3	11/21-CH3-40	7/10/2002	38 - 42	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH3	11/21-CH3-50	7/11/2002	48 - 52	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH4	11/21-CH4-10	7/11/2002	8 - 12	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH4	11/21-CH4-20	7/11/2002	18 - 22	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH4	11/21-CH4-30	7/11/2002	28 - 32	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH4	11/21-CH4-40	7/11/2002	38 - 42	--	X	--	--	--	--	--	--	--	--	--	--
4	11/21-CH4	11/21-CH4-50	7/11/2002	48 - 52	--	X	--	--	--	--	--	--	--	--	--	--
4	IW-01	SITE11-21-036	9/12/2002		--	X	--	X	--	--	X	--	--	--	--	--
4	MW-01	SITE11-21-037	9/12/2002		--	X	--	X	--	--	X	--	--	--	--	--
4	MW-02	SITE11-21-038	9/12/2002		--	X	--	X	--	--	X	--	--	--	--	--
4	MW-03	SITE11-21-039	9/12/2002		--	X	--	X	--	--	X	--	--	--	--	--
4	MW-04	SITE11-21-040	9/12/2002		--	X	--	X	--	--	X	--	--	--	--	--
4	P-11-MWI-03	SITE11-032	9/11/2002		--	X	--	X	--	--	X	--	--	--	--	--
4	P-11-MWI-07	SITE11-035	9/12/2002		--	X	--	X	--	--	X	--	--	--	--	--
4	P-11-MWI-11	SITE11-034	9/12/2002		--	X	--	X	--	--	X	--	--	--	--	--

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Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
Pilot Studies, 2002																
4	4-1-ADD10	4-1-ADD10-10	10/18/2001	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD10	4-1-ADD10-14	10/18/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD10	4-1-ADD10-19	10/18/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD10	4-1-ADD10-24	10/19/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD10	4-1-ADD10-30	10/19/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD10	4-1-ADD10-34	10/19/2001	31 - 34	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD10	4-1-ADD10-45	10/19/2001	41 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD11	4-1-ADD11-08	10/15/2001	5 - 8	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD11	4-1-ADD11-14	10/15/2001	10 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD11	4-1-ADD11-19	10/15/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD11	4-1-ADD11-25	10/15/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD11	4-1-ADD11-29	10/15/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD11	4-1-ADD11-34	10/15/2001	30 - 34	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD11	4-1-ADD11-39	12/6/2001	36 - 39	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD12	4-1-ADD12-09	10/18/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD12	4-1-ADD12-15	10/18/2001	11 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD12	4-1-ADD12-19	10/18/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD12	4-1-ADD12-24	10/18/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD13	4-1-ADD13-09	10/18/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD13	4-1-ADD13-14	10/18/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD13	4-1-ADD13-19	10/18/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD13	4-1-ADD13-25	10/18/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD13	4-1-ADD13-30	10/18/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD13	4-1-ADD13-35	10/18/2001	32 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD13	4-1-ADD13-45	10/18/2001	41 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD14	4-1-ADD14-09	10/8/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD14	4-1-ADD14-14	10/8/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD14	4-1-ADD14-19	10/8/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD14	4-1-ADD14-24	10/8/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD14	4-1-ADD14-29	10/8/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD14	4-1-ADD14-34	10/8/2001	31 - 34	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD14	4-1-ADD14-39	10/8/2001	36 - 39	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD14	4-1-ADD14-44	10/8/2001	41 - 44	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD15	4-1-ADD15-14	10/10/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD15	4-1-ADD15-19	10/10/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD15	4-1-ADD15-24	10/10/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD15	4-1-ADD15-29	10/10/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD15	4-1-ADD15-34	10/10/2001	31 - 34	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD15	4-1-ADD15-40	10/10/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD15	4-1-ADD15-45	10/10/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD16	4-1-ADD16-09	10/5/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD16	4-1-ADD16-14	10/5/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD16	4-1-ADD16-19	10/5/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD16	4-1-ADD16-24	10/5/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD16	4-1-ADD16-28	10/5/2001	25 - 28	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD16	4-1-ADD16-34	10/8/2001	30 - 34	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD16	4-1-ADD16-45	10/8/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--

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Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	4-1-ADD17	4-1-ADD17-14	10/9/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD17	4-1-ADD17-19	10/9/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD17	4-1-ADD17-24	10/9/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD17	4-1-ADD17-29	10/9/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD17	4-1-ADD17-34	10/9/2001	31 - 34	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD17	4-1-ADD17-40	10/9/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD17	4-1-ADD17-45	10/9/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD18	4-1-ADD18-09	9/17/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD18	4-1-ADD18-19	9/17/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD18	4-1-ADD18-24	9/17/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD18	4-1-ADD18-29	9/17/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD18	4-1-ADD18-34	9/17/2001	31 - 34	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD18	4-1-ADD18-40	10/3/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD18	4-1-ADD18-45	10/3/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD19	4-1-ADD19-09	9/17/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD19	4-1-ADD19-14	9/17/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD19	4-1-ADD19-19	9/17/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD19	4-1-ADD19-24	9/17/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD19	4-1-ADD19-29	9/17/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD19	4-1-ADD19-34	9/17/2001	31 - 34	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD19	4-1-ADD19-38	10/5/2001	35 - 38	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD19	4-1-ADD19-44.5	10/5/2001	40.5 - 44.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD20	4-1-ADD20-14	9/14/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD20	4-1-ADD20-19	9/14/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD20	4-1-ADD20-24	9/14/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD20	4-1-ADD20-29	9/14/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD20	4-1-ADD20-31	9/14/2001	28 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD20	4-1-ADD20-34	10/8/2001	30 - 34	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD20	4-1-ADD20-40	10/8/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD20	4-1-ADD20-46	10/8/2001	42 - 46	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD21	4-1-ADD21-09	10/9/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD21	4-1-ADD21-14	10/9/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD21	4-1-ADD21-19	10/9/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD21	4-1-ADD21-24	10/9/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD21	4-1-ADD21-29	10/9/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD21	4-1-ADD21-35	10/9/2001	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD21	4-1-ADD21-40	10/10/2001	37 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD21	4-1-ADD21-45	10/10/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD22	4-1-ADD22-09	10/9/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD22	4-1-ADD22-14	10/9/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD22	4-1-ADD22-19	10/9/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD22	4-1-ADD22-24	10/9/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD22	4-1-ADD22-29	10/9/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD22	4-1-ADD22-34	10/9/2001	31 - 34	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD22	4-1-ADD22-40	10/9/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD22	4-1-ADD22-45	10/9/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD23	4-1-ADD23-14	10/9/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD23	4-1-ADD23-19	10/9/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	4-1-ADD23	4-1-ADD23-24	10/9/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD23	4-1-ADD23-29	10/9/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD23	4-1-ADD23-34	10/9/2001	31 - 34	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD23	4-1-ADD23-40	10/9/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD23	4-1-ADD23-45	10/9/2001	41 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD24	4-1-ADD24-14	11/5/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD24	4-1-ADD24-19	11/5/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD24	4-1-ADD24-24	11/5/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD24	4-1-ADD24-29	11/5/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD24	4-1-ADD24-34	11/5/2001	31 - 34	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD24	4-1-ADD24-40	11/5/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD25	4-1-ADD25-14	11/2/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD25	4-1-ADD25-19	11/2/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD25	4-1-ADD25-24	11/2/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD25	4-1-ADD25-29	11/2/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD25	4-1-ADD25-34	11/2/2001	31 - 34	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD25	4-1-ADD25-40	11/5/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD25	4-1-ADD25-45	11/5/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD25	4-1-ADD25-9	11/2/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD26	4-1-ADD26-09	10/31/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD26	4-1-ADD26-14	12/26/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD26	4-1-ADD26-19	12/26/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD26	4-1-ADD26-24	10/31/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD26	4-1-ADD26-29	11/1/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD26	4-1-ADD26-35	11/1/2001	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD26	4-1-ADD26-40	11/1/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD26	4-1-ADD26-45	11/1/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD27	4-1-ADD27-09	10/31/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD27	4-1-ADD27-14	10/31/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD27	4-1-ADD27-19	10/31/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD27	4-1-ADD27-24	10/31/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD27	4-1-ADD27-29	10/31/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD27	4-1-ADD27-35	10/31/2001	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD32	4-1-ADD32-09	12/3/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD32	4-1-ADD32-15	12/3/2001	12 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD32	4-1-ADD32-21	12/3/2001	17 - 21	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD32	4-1-ADD32-26	12/3/2001	22 - 26	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD33	4-1-ADD33-14	12/26/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD33	4-1-ADD33-21	11/15/2001	17 - 21	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD33	4-1-ADD33-25	11/15/2001	22 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD33	4-1-ADD33-29	11/16/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD33	4-1-ADD33-35	12/26/2001	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD33	4-1-ADD33-9	11/15/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD34	4-1-ADD34-14	11/15/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD34	4-1-ADD34-20	11/15/2001	17 - 20	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD34	4-1-ADD34-24	11/15/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD34	4-1-ADD34-36	11/15/2001	32 - 36	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD34	4-1-ADD34-45	11/15/2001	41 - 45	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	4-1-ADD34	4-1-ADD34-9	11/15/2001	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD35	4-1-ADD35-10	11/1/2001	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD35	4-1-ADD35-14	11/1/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD35	4-1-ADD35-19	11/1/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD35	4-1-ADD35-24	11/2/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD35	4-1-ADD35-29	11/2/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD35	4-1-ADD35-35	11/2/2001	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD35	4-1-ADD35-40	11/2/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD35	4-1-ADD35-45	11/2/2001	41 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD36	4-1-ADD36-10	11/15/2001	7 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD36	4-1-ADD36-15	11/15/2001	12 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD36	4-1-ADD36-20	11/15/2001	17 - 20	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD36	4-1-ADD36-25	11/15/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD36	4-1-ADD36-30	11/16/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD36	4-1-ADD36-35	11/16/2001	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD36	4-1-ADD36-40	11/16/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD44	4-1-ADD44-10	11/9/2001	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD44	4-1-ADD44-14	11/9/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD44	4-1-ADD44-19.5	11/9/2001	16 - 19.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD44	4-1-ADD44-24	11/9/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD44	4-1-ADD44-30	11/9/2001	26 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD44	4-1-ADD44-35	11/9/2001	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD44	4-1-ADD44-40	11/9/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD46	4-1-ADD46-14.5	11/12/2001	11 - 14.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD46	4-1-ADD46-20	11/12/2001	16 - 20	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD46	4-1-ADD46-24	11/12/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD46	4-1-ADD46-30	11/12/2001	26 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD46	4-1-ADD46-35	11/12/2001	34 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD46	4-1-ADD46-40	11/12/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD46	4-1-ADD46-45	11/12/2001	41 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD46	4-1-ADD46-9.5	11/12/2001	6 - 9.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD58	4-1-ADD58-09	12/3/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD58	4-1-ADD58-15	12/3/2001	11 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD58	4-1-ADD58-19	12/3/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD58	4-1-ADD58-24	12/3/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD58	4-1-ADD58-29	12/3/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD58	4-1-ADD58-39.5	12/5/2001	36.5 - 39.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD59	4-1-ADD59-09	12/3/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD59	4-1-ADD59-14	12/3/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD59	4-1-ADD59-19	12/3/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD59	4-1-ADD59-29	12/3/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD59	4-1-ADD59-36	12/3/2001	32 - 36	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD59	4-1-ADD59-41	12/6/2001	37 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD59	4-1-ADD59-45	12/6/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD60	4-1-ADD60-08	12/21/2001	5 - 8	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD60	4-1-ADD60-14	12/21/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD60	4-1-ADD60-24	12/21/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD60	4-1-ADD60-29	12/21/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	4-1-ADD60	4-1-ADD60-35	12/21/2001	32 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD61	4-1-ADD61-10	1/15/2002	7 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD61	4-1-ADD61-15	1/15/2002	12 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD61	4-1-ADD61-19	1/15/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD61	4-1-ADD61-24	1/15/2002	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD61	4-1-ADD61-29	1/15/2002	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD61	4-1-ADD61-36	1/15/2002	32 - 36	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD69	4-1-ADD69-09	12/19/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD69	4-1-ADD69-13	12/19/2001	10 - 13	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD69	4-1-ADD69-19	12/19/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD69	4-1-ADD69-24	12/20/2001	20 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD69	4-1-ADD69-29	12/20/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD69	4-1-ADD69-35	12/20/2001	32 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD70	4-1-ADD70-15	12/20/2001	11 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD70	4-1-ADD70-19	12/20/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD70	4-1-ADD70-24	12/20/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD70	4-1-ADD70-30	12/20/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD70	4-1-ADD70-35	12/20/2001	32 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD70	4-1-ADD70-40	12/20/2001	36 - 40	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD70	4-1-ADD70-9.5	12/20/2001	6 - 9.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD83	4-1-ADD83-13	1/11/2002	10 - 13	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD83	4-1-ADD83-19	1/11/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD83	4-1-ADD83-24	1/11/2002	20 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD83	4-1-ADD83-29	1/11/2002	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD83	4-1-ADD83-35	1/11/2002	32 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD84	4-1-ADD84-15	1/10/2002	11 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD84	4-1-ADD84-19	1/10/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD84	4-1-ADD84-24	1/10/2002	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD84	4-1-ADD84-30	1/10/2002	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD84	4-1-ADD84-35	1/10/2002	32 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD84	4-1-ADD84-9.5	1/10/2002	6 - 9.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD9	4-1-ADD9-09	10/18/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD9	4-1-ADD9-15	10/18/2001	11 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD9	4-1-ADD9-19	10/18/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD9	4-1-ADD9-24	10/18/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD9	4-1-ADD9-29	10/19/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD9	4-1-ADD9-34	10/19/2001	31 - 34	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD9	4-1-ADD9-39	10/19/2001	36 - 39	--	X	--	--	--	--	--	--	--	--	--	--
4	4-1-ADD9	4-1-ADD9-45	10/19/2001	41 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD1	4-2-ADD1-09	12/11/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD1	4-2-ADD1-19	12/11/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD1	4-2-ADD1-25	12/11/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD1	4-2-ADD1-37	12/11/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD1	4-2-ADD1-45	12/12/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD10	4-2-ADD10-09	10/3/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD10	4-2-ADD10-14	10/3/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD10	4-2-ADD10-19	10/3/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD10	4-2-ADD10-25	10/3/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	4-2-ADD10	4-2-ADD10-31	10/4/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD10	4-2-ADD10-37	10/4/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD11	4-2-ADD11-09	10/31/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD11	4-2-ADD11-14	10/31/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD11	4-2-ADD11-19	10/31/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD11	4-2-ADD11-25	10/31/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD11	4-2-ADD11-31	10/31/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD11	4-2-ADD11-37	10/31/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD12	4-2-ADD12-09	10/11/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD12	4-2-ADD12-19	10/11/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD12	4-2-ADD12-24	10/11/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD12	4-2-ADD12-31	10/11/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD12	4-2-ADD12-37	10/11/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD13	4-2-ADD13-09	10/25/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD13	4-2-ADD13-15	10/25/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD13	4-2-ADD13-19	10/25/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD13	4-2-ADD13-25	10/25/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD13	4-2-ADD13-31	10/25/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD13	4-2-ADD13-37	10/25/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD13	4-2-ADD13-45	10/25/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD15	4-2-ADD15-09	10/3/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD15	4-2-ADD15-14	10/3/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD15	4-2-ADD15-19	10/3/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD15	4-2-ADD15-25	10/3/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD15	4-2-ADD15-31	10/3/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD15	4-2-ADD15-37	10/11/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-09	1/16/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-14	1/16/2002	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-19	1/15/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-25	1/15/2002	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-31	1/16/2002	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-37	1/16/2002	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-41	1/16/2002	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD16	4-2-ADD16-45	1/16/2002	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD17	4-2-ADD17-10	12/11/2001	7 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD17	4-2-ADD17-19	12/11/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD17	4-2-ADD17-24	12/11/2001	21 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD17	4-2-ADD17-30	12/11/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD17	4-2-ADD17-36	12/11/2001	32 - 36	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD17	4-2-ADD17-41	12/11/2001	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD18	4-2-ADD18-19.5	12/7/2001	16 - 19.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD18	4-2-ADD18-25	12/7/2001	21.5 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD18	4-2-ADD18-31	12/7/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD18	4-2-ADD18-37	12/7/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD18	4-2-ADD18-41	12/7/2001	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD18	4-2-ADD18-8.5	12/7/2001	5.5 - 8.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD19	4-2-ADD19-09	12/10/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD19	4-2-ADD19-15	12/10/2001	11 - 15	--	X	--	--	--	--	--	--	--	--	--	--

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Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	4-2-ADD19	4-2-ADD19-19	12/10/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD19	4-2-ADD19-25	12/10/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD19	4-2-ADD19-30	12/10/2001	27 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD19	4-2-ADD19-37	12/10/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD2	4-2-ADD2-08	11/1/2001	5 - 8	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD2	4-2-ADD2-29	11/2/2001	25 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD2	4-2-ADD2-35	11/2/2001	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD2	4-2-ADD2-43	11/8/2001	40 - 43	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD20	4-2-ADD20-10	12/11/2001	7 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD20	4-2-ADD20-19	12/11/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD20	4-2-ADD20-25	12/11/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD20	4-2-ADD20-31	12/11/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD20	4-2-ADD20-37	12/11/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD20	4-2-ADD20-41	12/11/2001	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD20	4-2-ADD20-45	12/11/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD21	4-2-ADD21-09	12/10/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD21	4-2-ADD21-19	12/10/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD21	4-2-ADD21-25	12/10/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD21	4-2-ADD21-31	12/10/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD21	4-2-ADD21-37	12/10/2001	32 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD21	4-2-ADD21-41	12/10/2001	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD21	4-2-ADD21-45	12/10/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD23	4-2-ADD23-09	12/10/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD23	4-2-ADD23-14	12/10/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD23	4-2-ADD23-19	12/10/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD23	4-2-ADD23-25	12/10/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD23	4-2-ADD23-31	12/10/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD23	4-2-ADD23-37	12/10/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD24	4-2-ADD24-10	12/14/2001	7 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD24	4-2-ADD24-19	12/14/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD24	4-2-ADD24-25	12/14/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD24	4-2-ADD24-31	12/14/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD24	4-2-ADD24-37	12/14/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD24	4-2-ADD24-41.5	12/14/2001	38 - 41.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD24	4-2-ADD24-45	12/14/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD26	4-2-ADD26-10	12/18/2001	7 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD26	4-2-ADD26-19	12/18/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD26	4-2-ADD26-25	12/18/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD26	4-2-ADD26-31	12/19/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD26	4-2-ADD26-37	12/19/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD28	4-2-ADD28-10	1/3/2002	6 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD28	4-2-ADD28-25	1/3/2002	22 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD28	4-2-ADD28-30	1/3/2002	26 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD28	4-2-ADD28-36	1/3/2002	32 - 36	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD29	4-2-ADD29-10	12/19/2001	7 - 10	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD29	4-2-ADD29-14	1/17/2002	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD29	4-2-ADD29-18	1/18/2002	15 - 18	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD29	4-2-ADD29-25	12/19/2001	22 - 25	--	X	--	--	--	--	--	--	--	--	--	--

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Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	4-2-ADD29	4-2-ADD29-29	12/19/2001	26 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD29	4-2-ADD29-37	12/19/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD29	4-2-ADD29-42	12/19/2001	39 - 42	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD3	4-2-ADD3-15	11/6/2001	11 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD3	4-2-ADD3-19.5	11/7/2001	16 - 19.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD3	4-2-ADD3-25	11/7/2001	21.5 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD3	4-2-ADD3-31	11/7/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD3	4-2-ADD3-37	11/7/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD3	4-2-ADD3-41	11/7/2001	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD3	4-2-ADD3-8.5	11/6/2001	5.5 - 8.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD30	4-2-ADD30-19	1/8/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD30	4-2-ADD30-36	1/8/2002	32 - 36	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD30	4-2-ADD30-39	1/8/2002	36.5 - 39	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD30	4-2-ADD30-9	1/8/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-14	12/27/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-19A	1/18/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-25	12/27/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-30	12/27/2001	26.5 - 30	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-36	12/28/2001	32 - 36	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-39A	1/18/2002	36.5 - 39	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-45A	1/18/2002	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD31	4-2-ADD31-9	12/27/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-14A	1/8/2002	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-19	1/9/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-25	1/9/2002	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-36	1/9/2002	32 - 36	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-39	1/10/2002	36.5 - 39	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-45	1/10/2002	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-9	1/9/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD32	4-2-ADD32-9A	1/8/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD33	4-2-ADD33-14	1/10/2002	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD33	4-2-ADD33-19	1/10/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD33	4-2-ADD33-25	1/11/2002	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD33	4-2-ADD33-31	1/11/2002	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD33	4-2-ADD33-37	1/11/2002	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD33	4-2-ADD33-9	1/10/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD34	4-2-ADD34-19	1/10/2002	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD34	4-2-ADD34-25	1/10/2002	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD34	4-2-ADD34-31	1/10/2002	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD34	4-2-ADD34-37	1/10/2002	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD34	4-2-ADD34-41	1/10/2002	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD34	4-2-ADD34-45	1/10/2002	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD34	4-2-ADD34-9	1/10/2002	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD35	4-2-ADD35-14	1/11/2002	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD35	4-2-ADD35-25	1/11/2002	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD35	4-2-ADD35-31	1/11/2002	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD35	4-2-ADD35-37	1/11/2002	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD35	4-2-ADD35-41	1/11/2002	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	4-2-ADD36	4-2-ADD36-12	1/10/2002	9 - 12	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD36	4-2-ADD36-17	1/10/2002	14 - 17	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD36	4-2-ADD36-23	1/10/2002	19 - 23	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD36	4-2-ADD36-29	1/10/2002	25 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD36	4-2-ADD36-35	1/10/2002	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD36	4-2-ADD36-8	1/10/2002	5 - 8	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD37	4-2-ADD37-15	1/7/2002	11 - 15	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD37	4-2-ADD37-25	1/7/2002	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD37	4-2-ADD37-35	1/7/2002	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD37	4-2-ADD37-45	1/7/2002	41 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD4	4-2-ADD4-17.5	11/6/2001	14.5 - 17.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD4	4-2-ADD4-23.5	11/6/2001	19.5 - 23.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD4	4-2-ADD4-29.5	11/6/2001	25.5 - 29.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD4	4-2-ADD4-39.5	11/6/2001	36.5 - 39.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD4	4-2-ADD4-43.5	11/6/2001	40.5 - 43.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD4	4-2-ADD4-7.5	11/5/2001	4.5 - 7.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD5	4-2-ADD5-08	1/14/2002	5 - 8	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD5	4-2-ADD5-17	1/14/2002	14 - 17	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD5	4-2-ADD5-23	1/14/2002	19 - 23	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD5	4-2-ADD5-29	1/14/2002	25 - 29	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD5	4-2-ADD5-35	1/14/2002	31 - 35	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD6	4-2-ADD6-09	10/3/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD6	4-2-ADD6-19	10/3/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD6	4-2-ADD6-25	10/3/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD6	4-2-ADD6-31	10/3/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD6	4-2-ADD6-37	10/11/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD6	4-2-ADD6-41	12/7/2001	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-09	11/1/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-14	10/24/2001	11 - 14	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-17.5	10/24/2001	16 - 17.5	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-19	11/1/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-25	11/1/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-31	11/1/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-37	11/1/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-41	11/1/2001	38 - 41	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-45	11/8/2001	42 - 45	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD7	4-2-ADD7-47	11/8/2001	46 - 47	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD9	4-2-ADD9-09	10/15/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD9	4-2-ADD9-19	10/15/2001	16 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD9	4-2-ADD9-25	10/15/2001	21 - 25	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD9	4-2-ADD9-31	10/15/2001	27 - 31	--	X	--	--	--	--	--	--	--	--	--	--
4	4-2-ADD9	4-2-ADD9-37	10/15/2001	33 - 37	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD2	4-3-ADD2-09	10/4/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD2	4-3-ADD2-19	10/4/2001	15 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD2	4-3-ADD2-26	10/4/2001	22 - 26	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD4	4-3-ADD4-09	10/4/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD4	4-3-ADD4-13	10/4/2001	10 - 13	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD4	4-3-ADD4-19	10/4/2001	15 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD4	4-3-ADD4-24	10/4/2001	22 - 24	--	X	--	--	--	--	--	--	--	--	--	--

TABLE 9-1: OU-2B GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Site Number	Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed											
					SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases	Hexavalent Chromium	Cyanide	Organic Lead
4	4-3-ADD5	4-3-ADD5-18	10/5/2001	15 - 18	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD5	4-3-ADD5-22	10/5/2001	19 - 22	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD5	4-3-ADD5-27	10/5/2001	23 - 27	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD6	4-3-ADD6-09	10/5/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD6	4-3-ADD6-13	10/5/2001	10 - 13	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD6	4-3-ADD6-19	10/5/2001	15 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD6	4-3-ADD6-26	10/5/2001	22 - 24	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD8	4-3-ADD8-09	10/4/2001	6 - 9	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD8	4-3-ADD8-13	10/4/2001	10 - 13	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD8	4-3-ADD8-19	10/4/2001	15 - 19	--	X	--	--	--	--	--	--	--	--	--	--
4	4-3-ADD8	4-3-ADD8-26	10/4/2001	22 - 26	--	X	--	--	--	--	--	--	--	--	--	--

Notes:

--	Not analyzed
bgs	Below ground surface
ft	Foot
General chemistry	Any combination of the following: percent moisture, pH, reactivity and/or TOC.
o-Pest	Organic pesticide
O & G	Oil and Grease
PAH	Polynuclear aromatic hydrocarbon
PCB	Polychlorinated hydrocarbon
SVOC	Semivolatile organic compound
TPH	Total petroleum hydrocarbon
VOC	Volatile organic compound
CMPL	Complete

Site 3 General chemistry = acidity, alkalinity, major anions, conductivity, hardness, oxydation, pH, solids, TOC, sulfide, and/or EDB-W
Stie 4 General chemistry = acidity, alkalinity, major anions, pH, hardness, oxydation, solids, sulfide, TOC, DOC, SOC, EDB-W, and/or MBAS
Site 11 General chemistry = DOC, SOC, TOC, major anions, alkalinity, acidity, hardness, oxydation, pH, solids, conductivity, and/or sulfide
Site 21 General chemistry = major anions, DOC, SOC, TOC, alkalinity, conductivity, hardness, oxydation, pH, solids, acidity, and/or sulfide

TABLE 9-2: OU-WIDE STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

OU-wide All Groundwater Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Volatile Organic Compounds (µg/L)												
1,1,1,2-TETRACHLOROETHANE	382	0	0	--	--	--	**0.5**	**200**	0	382	0.4	NA
1,1,1-TRICHLOROETHANE	1542	104	7	4,000	0.4J	**120,000**	0.5	**5,000**	7	3	3,200	200
1,1,2,2-TETRACHLOROETHANE	778	0	0	--	--	--	**0.5**	**500**	0	778	0.06	1
1,1,2-TRICHLOROETHANE	1326	46	3	**47**	**0.4J**	**270**	**0.5**	**5,000**	46	1280	0.2	5
1,1-DICHLOROETHANE	1355	227	17	**290**	0.1J	**6,200**	0.5	**5,000**	152	595	2	5
1,1-DICHLOROETHENE	1540	376	24	3,800	0.1J	**190,000**	0.5	**5,000**	139	42	340	6
1,1-DICHLOROPROPENE	153	0	0	--	--	--	0.5	170	--	--	NA	NA
1,2,3-TRICHLOROBENZENE	153	0	0	--	--	--	0.1	170	--	--	NA	NA
1,2,3-TRICHLOROPROPANE	153	0	0	--	--	--	**0.5**	**170**	0	153	0.006	NA
1,2,4-TRICHLOROBENZENE	227	0	0	--	--	--	0.5	**250**	0	1	190	5
1,2,4-TRIMETHYLBENZENE	183	10	5	8	0.2J	**46**	0.5	**170**	2	3	12	NA
1,2-DIBROMO-3-CHLOROPROPANE	223	0	0	--	--	--	**0.5**	**250**	0	223	0.002	0.2
1,2-DICHLOROBENZENE	563	59	10	49	0.1J	320	0.5	250	0	0	370	600
1,2-DICHLOROETHANE	1542	98	6	**73**	**0.2J**	**1,100**	**0.5**	**5,000**	98	1444	0.1	0.5
1,2-DICHLOROETHENE (TOTAL)	292	103	35	**190**	0.1J	**5,200**	1	**250**	27	4	61	NA
1,2-DICHLOROPROPANE	552	4	1	**7**	0.1J	**18**	**0.5**	**500**	3	548	0.2	5
1,3,5-TRIMETHYLBENZENE	183	7	4	5	0.2	**20**	0.4	**170**	1	3	12	NA
1,3-DICHLOROBENZENE	562	12	2	2	0.07J	4.5	0.5	**250**	0	44	6	NA
1,3-DICHLOROPROPANE	153	0	0	--	--	--	0.5	170	--	--	NA	NA
1,4-DICHLOROBENZENE	562	39	7	**15**	0.3J	**73**	0.5	**250**	33	446	0.5	5
1,4-DICHLOROETHENE	1	1	100	3	3.4	3.4	0	0	--	--	NA	NA
2,2-DICHLOROPROPANE	153	0	0	--	--	--	0.5	170	--	--	NA	NA
2-BUTANONE	387	9	2	10	0.73J	71J	0.7	3,300	--	--	NA	NA
2-CHLOROTOLUENE	153	1	1	3	3J	3J	0.2	170	--	--	NA	NA
2-HEXANONE	484	3	1	170	2J	500J	2	3,300	--	--	NA	NA
4-CHLOROTOLUENE	153	1	1	3	3J	3J	0.5	170	--	--	NA	NA
4-METHYL-2-PENTANONE	514	8	2	150	0.7J	1,100	2	3,300	--	--	NA	NA
ACETONE	389	38	10	2,000	0.5J	**63,000J**	0.4	500	3	0	610	NA
BENZENE	1125	157	14	**200**	0.1J	**4,600**	**0.5**	**250**	151	968	0.3	1
BROMOBENZENE	153	0	0	--	--	--	0.5	**170**	0	3	20	NA
BROMOCHLOROMETHANE	227	0	0	--	--	--	0.5	250	--	--	NA	NA

TABLE 9-2: OU-WIDE STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

OU-wide All Groundwater Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Volatile Organic Compounds (µg/L)												
BROMODICHLOROMETHANE	549	7	1	**4**	**0.9J**	**10J**	**0.5**	**500**	7	542	0.2	80
BROMOFORM	549	0	0	--	--	--	1	**500**	0	51	9	80
BROMOMETHANE	549	0	0	--	--	--	1	**500**	0	64	9	NA
CARBON DISULFIDE	488	50	10	2	0.05J	17J	0.5	500	0	0	1,000	NA
CARBON TETRACHLORIDE	570	2	0	**2**	**0.68**	**3.1**	**0.5**	**250**	2	568	0.2	0.5
CHLOROBENZENE	782	46	6	15	0.5J	**560**	0.5	**500**	1	12	110	70
CHLOROETHANE	985	27	3	**40**	0.4J	**560**	0.5	**500**	14	136	5	NA
CHLOROFORM	549	27	5	**5**	0.1J	**34**	0.5	**500**	20	446	0.5	80
CHLOROMETHANE	778	7	1	**5**	0.3	**13**	1	**500**	5	381	2	NA
CIS-1,2-DICHLOROETHENE	1255	339	27	**630**	0.1J	**19,000**	0.5	**5,000**	161	457	61	6
CIS-1,3-DICHLOROPROPENE	447	0	0	--	--	--	**0.5**	**500**	0	447	0.4	0.5
DIBROMOCHLOROMETHANE	549	1	0	**0.5**	**0.5J**	**0.5J**	**0.5**	**500**	1	548	0.1	80
DIBROMOMETHANE	153	0	0	--	--	--	0.5	170	--	--	NA	NA
DICHLORODIFLUOROMETHANE	153	0	0	--	--	--	1	330	0	0	390	NA
DICHLOROETHENE	4	4	100	2	0.64	2.9	0	0	--	--	NA	NA
DIISOPROPYL ETHER	73	0	0	--	--	--	0.5	170	--	--	NA	NA
ETHYL TERT-BUTYL ETHER	73	0	0	--	--	--	0.5	170	--	--	NA	NA
ETHYLBENZENE	1125	108	10	**130**	0.2J	**3,364**	0.2	**500**	51	107	3	300
ETHYLENE DIBROMIDE	246	0	0	--	--	--	0.02	250	--	--	NA	0.05
HEXACHLOROBUTADIENE	153	1	1	0.4	0.4J	0.4J	0.5	**170**	0	72	0.9	NA
HEXANE	5	0	0	--	--	--	10	10	--	--	NA	NA
ISOPROPYLBENZENE	153	10	7	18	0.5J	145	0.5	170	--	--	NA	NA
M,P-XYLENE	412	72	17	170	0.5J	**9,600**	0.5	200	4	0	210	NA
METHYL-T-BUTYL ETHER	606	21	3	**13**	0.1J	**86J**	0.1	**500**	7	62	6	13
METHYLENE CHLORIDE	783	31	4	4	0.64J	**75J**	0.1	**1,300**	5	186	4	NA
N-BUTYLBENZENE	153	4	3	3	0.6	6	0.3	170	--	--	NA	NA
N-PROPYLBENZENE	153	8	5	14	1.5	67	0.5	170	0	0	240	NA
NAPHTHALENE	382	23	6	**95**	0.2J	**1,700**	0.5	**670**	9	31	6	NA
O-XYLENE	412	36	9	67	0.4J	**2,200**	0.5	200	1	0	210	NA
P-ISOPROPYLTOLUENE	153	2	1	0.7	0.6J	0.8J	0.5	170	--	--	NA	NA
SEC-BUTYLBENZENE	153	5	3	2	0.1J	7	0.5	170	0	0	240	NA

TABLE 9-2: OU-WIDE STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

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Volatile Organic Compounds (µg/L)												
STYRENE	549	0	0	--	--	--	0.5	500	0	0	1,600	100
TERT-AMYL METHYL ETHER	73	0	0	--	--	--	0.5	170	--	--	NA	NA
TERT-BUTANOL	73	12	16	130	2.7J	500	10	3,300	--	--	NA	NA
TERT-BUTYLBENZENE	151	2	1	1	0.3	2J	0.5	170	0	0	240	NA
TETRACHLOROETHENE	1542	41	3	**2**	0.2J	**14**	0.5	**5,000**	34	1223	0.7	5
TOLUENE	1126	258	23	32	0.1J	**2,300**	0.5	500	3	0	720	150
TRANS-1,2-DICHLOROETHENE	1251	156	12	74	0.2	**1,400**	0.5	**5,000**	20	499	120	10
TRANS-1,3-DICHLOROPROPENE	447	0	0	--	--	--	**0.5**	**250**	0	447	0.4	0.5
TRANS-1,4-DICHLORO-2-BUTENE	1	0	0	--	--	--	1	1	--	--	NA	NA
TRICHLOROETHENE	1547	568	37	**3,800**	**0.2**	**200,000**	**0.5**	**5,000**	568	979	0.03	5
TRICHLOROFLUOROMETHANE	153	0	0	--	--	--	0.5	330	--	--	NA	NA
TRICHLOROTRIFLUOROETHANE	36	0	0	--	--	--	5	250	--	--	NA	NA
VINYL ACETATE	58	0	0	--	--	--	1	**500**	0	1	410	NA
VINYL CHLORIDE	1541	243	16	**140**	**0.3J**	**7,800**	**0.5**	**5,000**	243	1298	0.02	0.5
XYLENE (TOTAL)	713	123	17	**350**	0.2J	**18,707**	0.5	**500**	18	7	210	1,800
Semivolatile Organic Compounds (µg/L)												
1,2,4-TRICHLOROBENZENE	203	0	0	--	--	--	1	**1,000,000**	0	2	190	5
1,2-DICHLOROBENZENE	203	17	8	35	2J	120	1	**1,000,000**	0	1	370	600
1,2-DIPHENYLHYDRAZINE	1	0	0	--	--	--	10	10	--	--	NA	NA
1,3-DICHLOROBENZENE	203	3	1	1	1J	1J	1	**1,000,000**	0	17	6	NA
1,4-DICHLOROBENZENE	203	14	7	**10**	**0.8J**	**21**	**1**	**1,000,000**	14	189	0.5	5
2,2'-OXYBIS(1-CHLOROPROPANE)	196	0	0	--	--	--	1	1,000,000	--	--	NA	NA
2,4,5-TRICHLOROPHENOL	203	0	0	--	--	--	3	**2,500,000**	0	1	3,600	50
2,4,6-TRICHLOROPHENOL	199	0	0	--	--	--	**1**	**1,000,000**	0	199	1	NA
2,4-DICHLOROPHENOL	203	0	0	--	--	--	1	**1,000,000**	0	2	110	NA
2,4-DIMETHYLPHENOL	203	3	1	45	39	53	1	**1,000,000**	0	1	730	NA
2,4-DINITROPHENOL	194	0	0	--	--	--	3	**500**	0	2	73	NA
2,4-DINITROTOLUENE	203	0	0	--	--	--	1	**1,000,000**	0	2	73	NA
2,6-DINITROTOLUENE	203	0	0	--	--	--	1	**1,000,000**	0	3	36	NA
2-CHLORONAPHTHALENE	203	0	0	--	--	--	1	1,000,000	--	--	NA	NA

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Semivolatile Organic Compounds (µg/L)												
2-CHLOROPHENOL	203	0	0	--	--	--	1	**1,000,000**	0	3	30	NA
2-METHYLNAPHTHALENE	203	9	4	1,200,000	0.1J	11,000,000	1	20	--	--	NA	NA
2-METHYLPHENOL	203	4	2	81	19	220	1	**1,000,000**	0	1	1,800	NA
2-NITROANILINE	203	0	0	--	--	--	**2**	**2,500,000**	0	203	1	NA
2-NITROPHENOL	203	0	0	--	--	--	1	1,000,000	--	--	NA	NA
3,3'-DICHLOROBENZIDINE	203	0	0	--	--	--	**1**	**1,000,000**	0	203	0.2	NA
3-NITROANILINE	201	0	0	--	--	--	1	2,500,000	--	--	NA	NA
4,6-DINITRO-2-METHYLPHENOL	201	0	0	--	--	--	3	500	--	--	NA	NA
4-BROMOPHENYL-PHENYLETHER	203	0	0	--	--	--	1	1,000,000	--	--	NA	NA
4-CHLORO-3-METHYLPHENOL	203	1	0	1	1J	1J	1	1,000,000	--	--	NA	NA
4-CHLOROANILINE	203	0	0	--	--	--	1	**1,000,000**	0	2	150	NA
4-CHLOROPHENYL-PHENYLETHER	203	0	0	--	--	--	1	1,000,000	--	--	NA	NA
4-METHYLPHENOL	203	5	2	18	0.3J	39	1	**1,000,000**	0	2	180	NA
4-NITROANILINE	203	0	0	--	--	--	2	2,500,000	--	--	NA	NA
4-NITROPHENOL	203	0	0	--	--	--	3	2,500,000	--	--	NA	NA
ACENAPHTHENE	203	9	4	0.9	0.3J	2J	1	**1,000,000**	0	1	370	NA
ACENAPHTHYLENE	200	0	0	--	--	--	1	1,000,000	--	--	NA	NA
ANILINE	1	0	0	--	--	--	10	10	--	--	NA	NA
ANTHRACENE	203	3	1	0.6	0.3J	0.8J	1	**1,000,000**	0	1	1,800	NA
BENZO(A)ANTHRACENE	203	3	1	**0.9**	**0.6J**	**1J**	**1**	**1,000,000**	3	200	0.09	0.1
BENZO(A)PYRENE	203	4	2	**0.7**	**0.4J**	**1J**	**0.99**	**1,000,000**	4	199	0.009	0.2
BENZO(B)FLUORANTHENE	203	3	1	**0.9**	**0.8J**	**1J**	**1**	**1,000,000**	3	200	0.09	NA
BENZO(G,H,I)PERYLENE	203	2	1	0.5	0.1J	0.9J	1	1,000,000	--	--	NA	NA
BENZO(K)FLUORANTHENE	203	0	0	--	--	--	**1**	**1,000,000**	0	203	0.06	NA
BENZOIC ACID	22	0	0	--	--	--	2.5	50	0	0	150,000	NA
BENZYL ALCOHOL	22	0	0	--	--	--	2	10	0	0	11,000	NA
BIS(2-CHLOROETHOXY)METHANE	203	0	0	--	--	--	1	1,000,000	--	--	NA	NA
BIS(2-CHLOROETHYL)ETHER	203	1	0	**0.5**	**0.5J**	**0.5J**	**1**	**1,000,000**	1	202	0.01	NA
BIS(2-ETHYLHEXYL)PHTHALATE	203	4	2	**16**	3J	**33**	1	**1,000,000**	2	30	5	NA
BUTYLBENZYLPHTHALATE	203	1	0	10	10J	10J	1	**1,000,000**	0	1	7,300	NA
CARBAZOLE	181	2	1	**6**	1J	**10J**	1	**1,000,000**	1	176	3	NA

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Semivolatile Organic Compounds (µg/L)												
CHRYSENE	203	3	1	**0.8**	0.5J	1J	**1**	**1,000,000**	2	200	0.6	NA
DI-N-BUTYLPHTHALATE	203	0	0	--	--	--	1	1,000,000	--	--	NA	NA
DI-N-OCTYLPHTHALATE	203	0	0	--	--	--	1	1,000,000	--	--	NA	NA
DIBENZO(A,H)ANTHRACENE	203	0	0	--	--	--	**1**	**1,000,000**	0	203	0.009	NA
DIBENZOFURAN	203	2	1	**230,000**	0.2J	**460,000J**	1	**200**	1	2	24	NA
DIETHYLPHTHALATE	203	0	0	--	--	--	1	**1,000,000**	0	1	29,000	NA
DIMETHYLPHTHALATE	203	0	0	--	--	--	1	**1,000,000**	0	1	360,000	NA
FLUORANTHENE	203	6	3	2	1	3J	1	**1,000,000**	0	1	1,500	NA
FLUORENE	203	8	4	25,000	0.3J	**200,000J**	1	200	1	0	240	NA
HEXACHLOROBENZENE	203	0	0	--	--	--	**1**	**1,000,000**	0	203	0.04	1
HEXACHLOROBUTADIENE	203	0	0	--	--	--	**1**	**1,000,000**	0	203	0.9	NA
HEXACHLOROCYCLOPENTADIENE	203	0	0	--	--	--	1	**1,000,000**	0	1	220	NA
HEXACHLOROETHANE	203	0	0	--	--	--	1	**1,000,000**	0	183	5	NA
INDENO(1,2,3-CD)PYRENE	203	3	1	**0.5**	**0.1J**	**0.8J**	**1**	**1,000,000**	3	200	0.09	NA
ISOPHORONE	203	0	0	--	--	--	1	**1,000,000**	0	2	71	NA
N-NITROSO-DI-N-PROPYLAMINE	203	0	0	--	--	--	**1**	**1,000,000**	0	203	0.01	NA
N-NITROSODIMETHYLAMINE	1	0	0	--	--	--	10	10	--	--	NA	NA
N-NITROSODIPHENYLAMINE	203	1	0	3	3J	3J	1	**1,000,000**	0	25	14	NA
NAPHTHALENE	203	10	5	**340,000**	0.3J	**3,400,000**	1	**20**	4	174	6	NA
NITROBENZENE	203	0	0	--	--	--	1	**1,000,000**	0	184	3	NA
PENTACHLOROPHENOL	203	1	0	**1**	**1J**	**1J**	**3**	**2,500,000**	1	202	0.6	1
PHENANTHRENE	203	7	3	19,000	1	130,000J	1	200	--	--	NA	NA
PHENOL	203	7	3	190	3J	710	1	**1,000,000**	0	1	22,000	NA
PYRENE	203	20	10	1	0.5J	3J	1	**1,000,000**	0	2	180	NA
Polynuclear Aromatic Hydrocarbons (µg/L)												
ACENAPHTHENE	34	0	0	--	--	--	5	5	0	0	370	NA
ACENAPHTHYLENE	34	1	3	2	2	2	2	2	--	--	NA	NA
ANTHRACENE	34	0	0	--	--	--	0.2	0.2	0	0	1,800	NA
BENZO(A)ANTHRACENE	34	3	9	**0.1**	**0.1J**	**0.1J**	**0.2**	**0.2**	3	31	0.09	0.1
BENZO(A)PYRENE	34	2	6	**0.1**	**0.1J**	**0.1J**	**0.2**	**0.2**	2	32	0.009	0.2

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Polynuclear Aromatic Hydrocarbons (µg/L)												
BENZO(B)FLUORANTHENE	34	0	0	--	--	--	**0.2**	**0.2**	0	34	0.09	NA
BENZO(G,H,I)PERYLENE	34	0	0	--	--	--	0.2	0.2	--	--	NA	NA
BENZO(K)FLUORANTHENE	34	0	0	--	--	--	**0.2**	**0.2**	0	34	0.06	NA
CHRYSENE	34	0	0	--	--	--	0.2	0.2	0	0	0.6	NA
DIBENZO(A,H)ANTHRACENE	34	0	0	--	--	--	**0.5**	**0.5**	0	34	0.009	NA
FLUORANTHENE	34	5	15	0.3	0.1 J	0.93	0.2	0.2	0	0	1,500	NA
FLUORENE	35	1	3	7	6.6	6.6	1	1	0	0	240	NA
INDENO(1,2,3-CD)PYRENE	34	0	0	--	--	--	**0.2**	**0.2**	0	34	0.09	NA
NAPHTHALENE	34	0	0	--	--	--	5	5	0	0	6	NA
PHENANTHRENE	34	0	0	--	--	--	1	1	--	--	NA	NA
PYRENE	35	12	34	0.8	0.1 J	6.4	0.2	0.2	0	0	180	NA
PCBs/Pesticides (µg/L)												
4,4'-DDD	33	0	0	--	--	--	0.096	**10,000**	0	1	0.3	NA
4,4'-DDE	33	0	0	--	--	--	0.05	**10,000**	0	1	0.2	NA
4,4'-DDT	33	0	0	--	--	--	0.096	**10,000**	0	1	0.2	NA
ALDRIN	33	0	0	--	--	--	**0.048**	**5,000**	0	33	0.004	NA
ALPHA-BHC	33	0	0	--	--	--	0.025	5,000	--	--	NA	NA
ALPHA-CHLORDANE	33	0	0	--	--	--	0.048	**5,000**	0	1	0.2	NA
AROCLOR-1016	33	0	0	--	--	--	0.5	**100,000**	0	1	1	NA
AROCLOR-1221	33	0	0	--	--	--	**0.5**	**200,000**	0	33	0.03	NA
AROCLOR-1232	33	0	0	--	--	--	**0.5**	**100,000**	0	33	0.03	NA
AROCLOR-1242	33	0	0	--	--	--	**0.5**	**100,000**	0	33	0.03	NA
AROCLOR-1248	33	0	0	--	--	--	**0.5**	**100,000**	0	33	0.03	NA
AROCLOR-1254	33	0	0	--	--	--	**0.5**	**100,000**	0	33	0.03	NA
AROCLOR-1260	33	0	0	--	--	--	**0.5**	**100,000**	0	33	0.03	NA
BETA-BHC	33	0	0	--	--	--	0.048	5,000	--	--	NA	NA
DELTA-BHC	33	0	0	--	--	--	0.048	5,000	--	--	NA	NA
DIELDRIN	33	0	0	--	--	--	**0.05**	**10,000**	0	33	0.004	NA
ENDOSULFAN I	33	0	0	--	--	--	0.048	**5,000**	0	1	220	NA
ENDOSULFAN II	33	0	0	--	--	--	0.096	10,000	--	--	NA	NA

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PCBs/Pesticides (µg/L)												
ENDOSULFAN SULFATE	33	0	0	--	--	--	0.096	10,000	--	--	NA	NA
ENDRIN	33	0	0	--	--	--	0.05	**10,000**	0	1	11	2
ENDRIN ALDEHYDE	31	0	0	--	--	--	0.096	10,000	--	--	NA	NA
ENDRIN KETONE	33	0	0	--	--	--	0.096	10,000	--	--	NA	NA
GAMMA-BHC (LINDANE)	33	0	0	--	--	--	0.025	5,000	--	--	NA	NA
GAMMA-CHLORDANE	33	0	0	--	--	--	0.048	**5,000**	0	1	0.2	NA
HEPTACHLOR	33	0	0	--	--	--	**0.048**	**5,000**	0	33	0.02	0.01
HEPTACHLOR EPOXIDE	33	0	0	--	--	--	**0.01**	**5,000**	0	33	0.007	0.01
METHOXYCHLOR	33	0	0	--	--	--	0.48	**50,000**	0	1	180	30
TOXAPHENE	33	0	0	--	--	--	**1**	**500,000**	0	33	0.06	3
Total Petroleum Hydrocarbons (mg/L)												
BENZENE	31	1	3	**0.0009**	**0.0009**	**0.0009**	**0.0005**	**0.0005**	1	30	0.0003	0.001
DIESEL RANGE ORGANICS	443	160	36	120	0.026J	6,704	0.05	5,000	--	--	NA	NA
ETHYLBENZENE	31	0	0	--	--	--	0.0005	0.0005	0	0	0.003	0.3
GASOLINE RANGE ORGANICS	479	161	34	41	0.012	1,332	0.012	0.5	--	--	NA	NA
JET FUEL	94	21	22	21	0.052	180	0.05	2.8	--	--	NA	NA
JP5 RANGE ORGANICS	261	16	6	8,600	0.052	137,000	0.05	5.6	--	--	NA	NA
KEROSENE RANGE ORGANICS	39	0	0	--	--	--	0.05	0.058	--	--	NA	NA
MOTOR OIL RANGE ORGANICS	368	72	20	19	0.07J	960J	0.25	20	--	--	NA	NA
OTHER HEAVY TPH COMPONENTS	11	7	64	0.2	0.043J	0.56J	0.05	0.05	--	--	NA	NA
OTHER LIGHT TPH COMPONENTS	28	10	36	0.5	0.11J	1J	0.05	0.05	--	--	NA	NA
OTHER TPH COMPONENTS, TOTAL	28	1	4	0.2	0.2J	0.2J	0.05	0.058	--	--	NA	NA
OTHER TPH COMPONENTS, TOTALe	2	0	0	--	--	--	0.052	0.052	--	--	NA	NA
TOLUENE	31	3	10	0.0007	0.0006	0.001	0.0005	0.0005	0	0	0.7	0.2
XYLENE (TOTAL)	31	3	10	0.002	0.0007	0.002	0.0005	0.0005	0	0	0.2	2
Metals (µg/L)												
Filtered												
ALUMINUM	263	77	29	10,300	5.6	**397,000**	4.6	848	5	0	36,000	NA
ANTIMONY	256	65	25	3.7	0.049J	**104J**	0.084	**306**	3	43	15.0	6.0
ARSENIC	268	136	51	**18.0**	**1.1J**	**170**	**0.8**	**100**	136	132	0.045	10.0

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Metals (µg/L)												
Filtered												
BARIUM	263	245	93	178	10J	1,600	14.6	506	0	0	2,600	1,000
BERYLLIUM	263	21	8	1.7	0.023	8	0.1	22	0	0	73.0	4.0
CADMIUM	273	72	26	5.3	0.054	**183**	0.076	12	2	0	18.0	5.0
CALCIUM	265	264	100	177,000	3,450J	1,400,000	9,800	9,800	--	--	NA	NA
CHROMIUM	272	99	36	117	0.1J	3,090	0.2	32	0	0	55,000	50.0
COBALT	263	126	48	14.6	0.068J	250J	0.21	50	0	0	730	NA
COPPER	262	105	40	13.0	0.079	280	0.35	80	0	0	1,500	1,300
CYANIDE	46	17	37	19.7	6.1J	66	5	24	0	0	730	150
IRON	265	175	66	7,140	6.6	**461,000**	5.6	1,250	19	0	11,000	NA
LEAD	293	41	14	12.4	0.045J	90	0.022	65	--	--	NA	15.0
MAGNESIUM	265	263	99	295,000	649J	2,600,000	792	5,990	--	--	NA	NA
MANGANESE	265	258	97	2,960	0.82	**29,400**	0.25	6.7	92	0	880	NA
MERCURY	256	12	5	0.14	0.041J	0.34	0.043	0.27	0	0	11.0	2.0
MOLYBDENUM	253	130	51	45.0	0.74J	**783**	0.25	**280**	9	2	180	NA
NICKEL	270	158	59	117	0.42J	**1,700**	1.1	65.2	7	0	730	100
POTASSIUM	268	266	99	60,900	910	729,000J	5,000	5,000	--	--	NA	NA
SELENIUM	249	53	21	13.2	0.36	110	0.8	115	0	0	180	50.0
SILVER	261	14	5	4.7	0.18J	41.2J	0.039	40	0	0	180	NA
SODIUM	265	265	100	2,170,000	10,800J	17,000,000	0	0	--	--	NA	NA
THALLIUM	242	12	5	**17.1**	0.25J	**69.2J**	0.018	**250**	9	100	2.4	2.0
TITANIUM	7	6	86	3,210	370	8,600	50	50	--	--	NA	NA
TOTAL CYANIDE	2	0	0	--	--	--	10	10	--	--	NA	NA
VANADIUM	268	121	45	25.3	0.72	**800**	0.24	136	2	0	260	NA
ZINC	265	115	43	97.5	0.49J	2,230	0.5	125	0	0	11,000	NA

TABLE 9-2: OU-WIDE STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

OU-wide All Groundwater Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

NOTES:

Bold denotes values exceeding the PRG

–	Not detected
BHC	Benzene Hexachloride
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
J	Estimated value
MCL	Maximum Contaminant Level
mg/L	Milligrams per liter
NA	No criteria available
PCB	Polychlorinated biphenyl
PRG	Preliminary Remediation Goal, U.S. Environmental Protection Agency, Region 9 or CAL-modified (2002)
µg/L	Micrograms per liter

TABLE 9-3: OU-WIDE GROUNDWATER NATURE AND EXTENT EVALUATION SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

ANALYTICAL GROUP CHEMICAL	EXCEEDS SCREENING LEVELS?	USED BY THE NAVY AT THE SITE?	RISK DRIVER?	BACKGROUND METAL?[1]	RELATED TO SITE ACTIVITY?	DATA GAP?
VOCs						
1,1,1-Trichloroethane	Yes	Yes	No	--	Yes	Yes
1,1,2-Trichloroethane	Yes	Yes	Yes	--	Yes	Yes
1,1-Dichloroethane	Yes	Yes	Yes	--	Yes	No
1,1-Dichloroethene	Yes	Yes	No	--	Yes	No
1,2,4-Trimethylbenzene	Yes	Yes	No	--	Yes	No
1,2-Dichloroethane	Yes	Yes	Yes	--	Yes	No
1,2-Dichloroethene (total)	Yes	Yes	Yes	--	Yes	No
1,2-Dichloropropane	Yes	No	No	--	No	No
1,3,5-Trimethylbenzene	Yes	Yes	No	--	Yes	No
1,4-Dichlorobenzene	Yes	Yes	Yes	--	Yes	No
Acetone	Yes	Yes	No	--	Yes	No
Benzene	Yes	Yes	Yes	--	Yes	No
Bromodichloromethane	Yes	No	Yes	--	Yes	No
Carbon tetrachloride	Yes	No	No	--	No	No
Chlorobenzene	Yes	No	No	--	No	No
Chloroethane	Yes	No	Yes	--	Yes	No
Chloroform	Yes	No	Yes	--	No	No
Chloromethane	Yes	No	No	--	No	No
Cis-1,2-dichloroethene	Yes	No	No	--	No	No
Dibromochloromethane	Yes	No	No	--	No	No
Ethylbenzene	Yes	Yes	No	--	Yes	No
M,P-xylene	Yes	No	No	--	No	No
Methyl-T-butyl ether	Yes	No	No	--	No	No
Methylene chloride	Yes	Yes	Yes	--	No	No
Naphthalene	Yes	No	Yes	--	No	No

TABLE 9-3: OU-WIDE GROUNDWATER NATURE AND EXTENT EVALUATION SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

ANALYTICAL GROUP CHEMICAL	EXCEEDS SCREENING LEVELS?	USED BY THE NAVY AT THE SITE?	RISK DRIVER?	BACKGROUND METAL?[1]	RELATED TO SITE ACTIVITY?	DATA GAP?
O-xylene	Yes	No	No	--	No	No
Tetrachloroethene	Yes	Yes	Yes	--	Yes	No
Toluene	Yes	Yes	No	--	Yes	No
Trans-1,2-dichloroethene	Yes	No	No	--	No	No
Trichloroethene	Yes	Yes	Yes	--	Yes	No
Vinyl Chloride	Yes	Yes	Yes	--	Yes	Yes
SVOCs						
1,4-Dichlorobenzene	Yes	No	No	--	No	Yes
Benzo(a)anthracene	Yes	No	No	--	No	No
Benzo(a)pyrene	Yes	No	No	--	No	No
Benzo(b)fluoranthene	Yes	No	No	--	No	No
Bis(2-chloroethyl)ether	Yes	No	No	--	No	No
Bis(2-ethylhexyl)phthalate	Yes	No	Yes	--	No	No
Carbazole	Yes	No	No	--	No	No
Chrysene	Yes	No	No	--	No	No
Dibenzofuran	Yes	No	No	--	No	No
Fluorene	Yes	No	No	--	No	No
Indeno(1,2,3-cd)pyrene	Yes	No	No	--	No	No
Naphthalene	Yes	No	No	--	No	No
Pentachlorophenol	Yes	No	No	--	No	No
Metals						
Aluminum	Yes	Yes	No	No	Yes	No
Antimony	Yes	No	Yes	Yes	No	No
Arsenic	Yes	No	Yes	Yes	No	No
Cadmium	Yes	Yes	Yes	Yes	Yes	No
Chromium (hexavalent)	No	Yes	Yes	Yes	Yes	No
Iron	Yes	No	Yes	No	No	No
Manganese	Yes	No	Yes	No	No	No

TABLE 9-3: OU-WIDE GROUNDWATER NATURE AND EXTENT EVALUATION SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

ANALYTICAL GROUP CHEMICAL	EXCEEDS SCREENING LEVELS?	USED BY THE NAVY AT THE SITE?	RISK DRIVER?	BACKGROUND METAL?[1]	RELATED TO SITE ACTIVITY?	DATA GAP?
Molybdenum	Yes	No	No	No	No	No
Nickel	Yes	No	No	No	No	No
Thallium	Yes	No	Yes	Yes	No	No
Vanadium	Yes	No	No	No	No	No
PAHs						
Benzo(a)anthracene	Yes	No	Yes	--	No	No
Benzo(a)pyrene	Yes	No	Yes	--	No	No
TPH						
Diesel	--	Yes	No	--	Yes	No
Gasoline	--	Yes	No	--	Yes	No
Motor Oil	--	Yes	No	--	Yes	No

Notes:

-- Does not apply to these chemicals

1 Based on the background comparison

TABLE 9-4: OU-2B HHRA SUMMARY FOR GROUNDWATER

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Exposure Scenarios			Cancer[a]	Non-cancer[a,b]
Residential				
Groundwater	RME	Adult	7E-03	130
		Child	4E-03	310
		Total Risk	1E-02	NA
	CTE	Adult	2E-03	9
		Child	4E-03	3
		Total Risk	6E-03	NA
Commercial/Industrial				
Groundwater	RME	Adult	1E-04	0.2
		Total Risk	1E-04	NA
	CTE	Adult	2E-05	0.2
		Total Risk	2E-05	NA
Construction Worker				
Groundwater	RME	Adult	6E-05	0.9
		Total Risk	6E-05	NA
	CTE	Adult	1E-05	0.2
		Total Risk	1E-05	NA

Notes:

a	Includes risk from background
b	Non-cancer risk does not include risk from lead
RME	Reasonable maximum exposure
NA	Not applicable

TABLE 9-5: HHRA REASONABLE MAXIMUM EXPOSURE COMMERCIAL/INDUSTRIAL RISK DRIVERS FOR GROUNDWATER

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Commercial/Industrial Scenario

Receptor: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk[a]				Non-Carcinogenic Hazard Quotient for a Child[b,c]			
				Ingestion	Dermal	Inhalation	Exposure Routes Total	Ingestion	Dermal	Inhalation	Exposure Routes Total
Groundwater	Groundwater	Vapor Intrusion from Shallow Groundwater to Indoor Air	1,1-Dichlorethane	--	--	1.E-06	1.E-06	--	--	--	--
			Chloroform	--	--	1.E-06	1.E-06	--	--	--	--
			Trichloroethene	--	--	1.E-03	1.E-03	--	--	--	--
			Vinyl chloride	--	--	6.E-06	6.E-06	-	--	--	--
			Chemical Total	0.E+00	0.E+00	1.E-03	1.E-03				
		Exposure Point Total					1.E-03				
Medium Total							1.E-03				

Notes:

[a] Based on RME assumptions, combined child and adult risk

[b] Based on RME assumptions, child risk only

[c] Non-cancer risk does not include risk from lead

-- Not applicable or not available

TABLE 9-6: HHRA REASONABLE MAXIMUM EXPOSURE RESIDENTIAL RISK DRIVERS FOR GROUNDWATER

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Residential Scenario

Receptor: Adult/Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk[a]				Non-Carcinogenic Hazard Quotient for a Child[b,c]			
				Ingestion	Dermal	Inhalation	Exposure Routes Total	Ingestion	Dermal	Inhalation	Exposure Routes Total
Groundwater	Groundwater	Tap Water from Shallow Groundwater	1,1,2-Trichloroethane	9.E-06	3.E-07	1.E-06	1.E-05	--	--	--	--
			1,1-Dichlorethane	9.E-06	5.E-07	1.E-06	1.E-05	--	--	--	--
			1,2-Dichlorethane	2.E-05	5.E-07	3.E-06	2.E-05	--	--	--	--
			1,2-Dichloroethene (total)	--	--	--	--	2	0.2	0.4	2
			1,4-Dichlorobenzene	2.E-06	8.E-07	3.E-07	3.E-06	--	--	--	--
			Antimony	--	--	--	--	2	0.02	--	2
			Arsenic	4.E-04	5.E-06	--	4.E-04	4	0.05	--	4
			Benzene	1.E-05	2.E-06	1.E-06	2.E-05	--	--	--	--
			Benzo(a)anthracene	1.E-06	6.E-06	--	7.E-06	--	--	--	--
			Benzo(a)pyrene	1.E-05	8.E-05	--	9.E-05	--	--	--	--
			Bromodichloromethane	7.E-06	2.E-07	1.E-06	8.E-06	--	--	--	--
			Cadmium	--	--	--	--	2	0.005	--	2
			Chromium (VI)	--	--	--	--	10	0.07	--	10
			Iron	--	--	--	--	4	0.006	--	4
			Manganese	--	--	--	--	26	0.2	--	27
			Methylene chloride	1.E-06	3.E-08	4.E-08	1.E-06	--	--	--	--
			Naphthalene	6.E-05	2.E-05	9.E-06	9.E-05	--	--	--	--
			Tetrachloroethene	5.E-05	1.E-05	--	6.E-05	--	--	--	--
			Thallium	--	--	--	--	8	0.1	--	8
			Trichloroethene	6.E-03	5.E-04	9.E-04	7.E-03	213	22	1	237
			Vinyl chloride	3.E-04	2.E-05	2.E-06	3.E-04	--	--	--	--
			Chemical Total	7.E-03	7.E-04	9.E-04	8.E-03	272	23	2	296
		Exposure Point Total					8.E-03				296
		Vapor Intrusion from Shallow Groundwater to Indoor Air	1,1-Dichlorethane	--	--	3.E-06	3.E-06	--	--	--	--
			1,1-Dichloroethene	--	--	--	--	--	--	1	1
			1,2-Dichlorethane	--	--	1.E-06	1.E-06	--	--	--	--
			Benzene	--	--	2.E-06	2.E-06	--	--	--	--
			Chloroform	--	--	2.E-06	2.E-06	--	--	--	--
			Tetrachloroethene	--	--	1.E-06	1.E-06	--	--	--	--
			Trichloroethene	--	--	3.E-03	3.E-03	--	--	3	3
			Vinyl chloride	--	--	3.E-05	3.E-05	--	--	--	--
			Chemical Total	0.E+00	0.E+00	3.E-03	3.E-03	0.0	0.0	4	4
		Exposure Point Total					3.E-03				4
Medium Total							1.E-02				300

Notes:

[a] Based on RME assumptions, combined child and adult risk

[b] Based on RME assumptions, child risk only

[c] Non-cancer risk does not include risk from lead

-- Not applicable or not available

TABLE 9-7: OU-2B CHEMICALS OF POTENTIAL ECOLOGICAL CONCERN FOR GROUNDWATER

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Chemical	Marine Screening Criteria (mg/L)	Screening Evaluation		Hazard Quotient
		Rejected	Retained	
Metals (mg/L)				
Aluminum	NV		X	NA
Antimony	0.5	CSL	--	NA
Arsenic	0.036	CSL	--	NA
Barium	NV		X	NA
Beryllium	NV	CSB	--	NA
Cadmium	0.0093	CSL	--	NA
Calcium	NV	EN	--	NA
Chromium	0.05		X	0.226
Chromium (VI)	0.05	CSB	--	NA
Cobalt	NV		X	NA
Copper	0.0031	CDL	--	NA
Iron	NV	EN	--	NA
Lead	0.0081	CDL	--	NA
Magnesium	NV	EN	--	NA
Manganese	NV		X	NA
Mercury	0.00094	CSB	--	NA
Molybdenum	NV		X	NA
Nickel	0.0082		X	0.324
Potassium	NV	EN	--	NA
Selenium	0.071	CDL	--	NA
Silver	0.00019	FOD	--	NA
Sodium	NV	EN	--	NA
Thallium	0.04	CSL	--	NA
Vanadium	NV		X	NA
Zinc	0.081	CDL	--	NA
SVOCs (mg/L)				
Acenaphthylene	0.03	CSL	--	NA
Benzo(a)anthracene	0.03	CSL	--	NA
Benzo(a)pyrene	0.03	CSL	--	NA
Bis(2-ethylhexyl)phthalate	0.03	CSL	--	NA
Fluoranthene	0.03	CSL	--	NA
Naphthalene	0.03	CSL	--	NA
Pyrene	0.03	CSL	--	NA
VOCs (mg/L)				
1,1-Dichloroethane	11.3	CSL	--	NA
1,1-Dichloroethene	22.4	CSL	--	NA
1,1,1-Trichloroethane	3.12	CSL	--	NA
1,1,2-Trichloroethane	3.12	FOD	--	NA
1,2-Dichlorobenzene	0.129	CDL	--	NA
1,2-Dichloroethane	11.3	CSL	--	NA
1,2-Dichloroethene (total)	22.4	CSL	--	NA
1,2-Dichloropropane	0.079	FOD	--	NA
1,2,4-Trichloromethylbenzene	NV		X	NA
1,3-Dichlorobenzene	0.129	FOD	--	NA
1,3,5-Trichloromethylbenzene	NV	FOD	--	NA
1,4-Dichlorobenzene	0.129	CSL	--	NA
2-Butanone	NV	FOD	--	NA
2-Hexanone	NV	FOD	--	NA
4-Methyl-2-Pentanone	NV	FOD	--	NA
Acetone	NV		X	NA
Benzene	0.7	CSL	--	NA

TABLE 9-7: OU-2B CHEMICALS OF POTENTIAL ECOLOGICAL CONCERN FOR GROUNDWATER

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Chemical	Marine Screening Criteria (mg/L)	Screening Evaluation		Hazard Quotient
		Rejected	Retained	
Bromodichloromethane	6.4	FOD	--	NA
Carbon Disulfide	NV		X	NA
Chlorobenzene	0.129	CSL	--	NA
Chloroethane	NV	FOD	--	NA
Chloroform	NV	FOD	--	NA
Chloromethane	NV	FOD	--	NA
Ethylbenzene	0.043	CSL	--	NA
Hexachlorobutadiene	NV	FOD	--	NA
Isopropylbenzene	NV		X	NA
Methy-T-Butyl Ether	NV	FOD	--	NA
Methylene Chloride	6.4	FOD	--	NA
Tert-Butanol	NV		X	NA
Tetrachloroethene	0.45	CSL	--	NA
Toluene	5	CSL	--	NA
Trichloroethene	0.2		X	0.393
Vinyl Chloride	NV		X	NA
Xylene	NV		X	NA

Notes:

--	Not analyzed
CDL	Maximum diluted concentration (1/10) within screening level concentration
CSB	Concentration within statistical background
CSL	EPC within screening level concentration
EN	Essential nutrient
FOD	Frequency of detection
mg/L	Milligrams per liter
NA	Not applicable
NV	Value not available
SVOC	Semivolatile organic chemical
VOC	Volatile organic chemical

10.0 REMEDIAL INVESTIGATIONS CONCLUSIONS AND RECOMMENDATIONS

This section summarizes conclusions drawn based on the evaluations conducted for Sites 3, 4, 11, 21, and operable unit (OU)-wide groundwater in support of the CERCLA risk management process and recommendations for further evaluation in a feasibility study (FS). Table 10-1 summarizes the human health risks for Sites 3, 4, 11, and 21, and Tables 10-1 and 10-2 summarizes the human health risks from soil and OU-wide groundwater. Table 10-4 summarizes the conclusions and recommendations for the OU-2B remedial investigation.

10.1 SITE 3 CONCLUSIONS AND RECOMMENDATIONS

This section summarizes conclusions and recommendations on the nature and extent of chemicals in soil and a lead groundwater plume at Site 3 and the risk posed by those chemicals. The contents of this section are based on (1) the site-specific conceptual site model (CSM), (2) a background comparison, (3) the nature and extent evaluation, (4) the fate and transport evaluation, (5) the human health risk assessment (HHRA), and (6) the ecological risk assessment (ERA).

10.1.1 Nature and Extent Conclusions

The nature and extent evaluation concluded that many of the chemicals detected across Site 3 are consistent with historical activities that occurred at the site; however, lead detected in soil and groundwater was not considered to be consistent with the historical activities. Chemicals appear to have been released to soil in the following four areas: (1) south of former Building 264, (2) in the vicinity of the refueling facilities and underground storage tanks (UST) in the southern area of the site, (3) north of Building 517, and (4) along the eastern edge of Site 3.

The pesticides alpha-chlordane, gamma-chlordane, chlordane, and 4,4-dichlorodiphenyltrichloroethane (DDT) were detected in surface soil in a landscaped area south of former Building 264. The presence of these chemicals most likely is related to the historical use of these pesticides on landscaped areas around Building 264.

Two volatile organic compounds (VOC), benzene and ethylbenzene, were detected at concentrations exceeding screening levels and appear to be localized in the western portion of Site 3 near fuel lines. VOCs with detection limits that exceeded 2002 U.S. Environmental Protection Agency (EPA) Region 9 residential preliminary remediation goals (PRG) or California-modified PRGs (EPA 2002) included 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-butanone, 4-metyl-2-pentanone, isopropylbenzene, m,p-xylene, methylene chloride, MTBE, oxylene, toluene, and total xylene. The presence of these compounds in soil most likely resulted from releases of petroleum products, which were used extensively at Site 3.

The polychlorinated biphenyl (PCB), Aroclor-1260, was also detected in surface soil samples collected in the northern half of the site, within the vicinity of Buildings 517 and 517A (garden equipment storage) and near the southern end of Building 264 (exchange service outlet). There are no transformers in these areas with documented usage of Aroclor 1260. Oils containing PCBs (Aroclor 1260) were used as an extender for pesticides around the site and were likely

mixed in the garden shops (Buildings 517 and 517A). Aroclor-1260 in Site 3 soil likely is related to the use of oils containing PCBs to control weeds and minimize dust.

Iron was detected in soil at Site 3 and appears to be uniformly distributed and unrelated to storm sewers, buildings, or other site features, which suggests that iron occurs randomly with no apparent source and may be naturally occurring. The highest detections of iron in soil were detected below the artificial fill, with the maximum detected concentration between 9.0 and 10.0 feet bgs at a location in the southeastern portion of Site 3.

Elevated concentrations of lead are localized in soil in the northern portion of Site 3, north of Building 517, at depths from 0.5 to 6.5 feet below ground surface (bgs), and along the eastern edge of the site from 4 to 4.5 feet bgs. Lead was detected at elevated concentrations in several groundwater samples collected near the elevated concentrations of lead in soil in the northern portion of Site 3. The lead groundwater plume extends approximately 200 feet north to south, and the vertical extent is unknown. The source of lead in groundwater in this area is unknown; however, a storm sewer catch basin (6H-5A) and manhole (6H-5) are also located in this area. It is unknown if the storm sewer in this area is in contact with groundwater or not, but a significant sag is located directly west of the manhole (Tetra Tech 2000b). The groundwater in this portion of Site 3 flows to the northwest. The pH levels in groundwater samples collected from this area are slightly basic, which would retard the movement of lead from soil to groundwater and of lead in groundwater because of the increased sorption of lead to aquifer materials.

Elevated concentrations of polynuclear aromatic hydrocarbons (PAH) in soil appear to be localized in the northeastern portion of Site 3 and in the southern portion of the site near former USTs 97-A through 97-E. The maximum concentration was detected in a sample from 4 to 8 feet bgs in the northeastern portion of Site 3 in an area where marsh crust is known to be present. Elevated concentrations in the southern portion of Site 3 may be attributed to petroleum releases that occurred from the USTs or from activities related to the refueling of aircraft trucks.

These pesticides, VOCs, and PCBs detected in soil discussed above were not detected in direct-push groundwater data collected in the northern area of the site.

10.1.2 Risk Assessment Conclusions

This section discusses HHRA and ERA results for Site 3. Risk assessment results for the OU-wide groundwater plume are presented in more detail in Section 9.0.

Although numerous chemicals were detected at Site 3, some of these chemicals do not pose significant risk as defined by the risk assessments. Based on the HHRA, arsenic, benzene, Aroclor-1260, iron, lead, and PAHs (benzo[a]anthracene, benzo(a)pyrene [B(a)P], benzo[b]fluoranthene, dibenzo[a,h]anthracene) in soil and lead in the lead groundwater plume were identified as risk drivers. Based on the ERA, lead and PAHs in soil were identified as risk drivers. According to the background comparison, arsenic is attributed to background.

10.1.2.1 Human Health Risk Assessment Conclusions

According to reuse plans for Alameda Point (EDAW 1996), residential and commercial/industrial exposures are the most likely future exposures at Site 3. Human health risk was evaluated for residential and commercial/industrial exposures, along with construction worker exposure.

The total RME carcinogenic risks for the commercial/industrial scenario are above the risk management range, and the HIs are below 1 (see Table 10-1). The total RME carcinogenic risks for the construction worker scenario are within the risk management range, and the HIs are above 1. For the residential scenario, the total RME carcinogenic risks are above the risk management range, and the HIs are above 1.

HHRA results for soil and the groundwater lead plume are summarized below.

Soil

For the commercial/industrial and construction worker scenarios, the most conservative reasonable maximum exposure (RME) carcinogenic risks for Site 3 soil are within the risk management range of 1E-06 to 1E-04 (see Table 10-2). The most conservative noncancer hazard index (HI) for soil is 1, equal to the risk management HI of 1.

The residential scenario is considered the most conservative estimate of risk. For surface and subsurface soil, carcinogenic risks are within the risk management range. The surface soil noncancer HI for a child is below 5, and the subsurface soil noncancer HI for a child is 6.

Residential soil risks are primarily attributed to arsenic, lead, and PAHs (B[a]P). Based on the background comparison, arsenic is attributed to background.

Lead in Soil and Groundwater

Lead was selected as a chemical of potential concern (COPC) for Site 3 soil and groundwater and OU-wide groundwater and was evaluated using LeadSpread. Lead in site soil and groundwater and OU-wide groundwater was not attributed to background. For water ingestion, three exposure point concentrations (EPC) were used: Site 3 lead groundwater plume, OU-wide groundwater plume, and East Bay Municipal Utilities District (EBMUD) drinking water. Based on LeadSpread results, there is potential risk to human health from ingestion of lead in Site 3 soil and groundwater. The child blood lead level of 10 microgram per deciliter (μg/dL) equates to a soil concentration of 299 mg/kg when EBMUD is the drinking water source.

10.1.2.2 Ecological Risk Assessment Conclusions

A site-specific ERA was conducted for Site 3 to estimate potential risks to the environment. Currently, Site 3 does not contain ecological habitat capable of supporting significant wildlife; however, exposure pathways for terrestrial receptors and for contact with groundwater

discharging to the Seaplane Lagoon were considered potentially complete to provide a conservative estimate of risk.

Assessment endpoint receptors include small mammals, passerines, and raptors. Lead in soil was identified as posing potential risk to small mammals and birds (passerines and raptors). PAHs in soil were identified as posing potential risk to passerines and raptors.

10.1.3 Recommendations

Based on the data and risks discussed above, soil and the lead groundwater plume at Site 3 are recommended for further evaluation in an FS, as defined under CERCLA, to address risks to residential receptors under the unrestricted reuse scenario. Aroclor-1260, benzene, lead, and PAHs are identified as chemicals of concern (COC) for soil at Site 3, and lead is identified as a COC for groundwater at Site 3.

PAHs at Site 3 are attributed to the Marsh Crust (northeastern portion of the site) and a total petroleum hydrocarbon (TPH) release (southern portion of the site). The Marsh Crust record of decision is applicable to the PAHs in soil within the northeastern portion of Site 3.

Arsenic and iron were also identified as risk drivers for soil but are not recommended as COCs for further evaluation in the FS because these metals are attributed to background.

Although chemicals were identified that could pose a risk to ecological receptors, there is little likelihood Site 3 will be used for ecological habitat. Therefore, the risks identified for ecological receptors are overestimated. No action is recommended for chemicals based on potential risk posed to ecological receptors.

The following data gaps were identified.

- Further delineation of lead in soil east and west of sampling locations 129-001-002 and M03-07 and groundwater near well M04-03 is recommended.
- Further delineation of soil below former Building 109 is recommended based on staining that appeared in aerial photographs and that a large plume of petroleum hydrocarbons commingled with VOCs is located below the area of former staining.
- Further sampling and analysis of soil may be necessary to confirm semivolatile organic compounds (SVOC) are not present in soil at Site 3.

An evaluation of TPH in soil and groundwater also was conducted based on the TPH Strategy for Alameda Point. On the basis of this evaluation, no further action is recommended for Site 3 soil and further action is recommended for Site 3 groundwater for TPH-associated constituents.

10.2 SITE 4 CONCLUSIONS AND RECOMMENDATIONS

This section summarizes conclusions and recommendations on the nature and extent of chemicals in soil at Site 4 and the risk posed by those chemicals. The contents of this section are based on (1) the site-specific CSM, (2) a background comparisons, (3) the nature and extent evaluations, (4) the fate and transport evaluations, (5) the HHRA, and (6) the ERA.

10.2.1 Nature and Extent Conclusions

The nature and extent evaluation concluded that most of the chemicals detected in soil across Site 4 are consistent with historical activities that occurred at Building 360, including painting, blasting, degreasing, solvent cleaning, and plating of aircraft parts, and activities at Building 372 including petroleum-related compounds, and landscaping activities in the field area east of Building 360. A variety of chlorinated compounds were detected in the following three general areas around Building 360: (1) along the western edge between Buildings 360, 372, 163A, and 414; (2) near the northwest corner of Building 360; and (3) along the eastern edge of Building 360, near oil-water separator (OWS)-360. The chlorinated compounds detected in soil included 1,1,1-trichloroethane (TCA), 1,1,2,2-tetrachloroethane, 1,1-dichloroethane (DCA), 1,1-dichloroethene (DCE) 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,2-DCE, chlorobenzene, styrene, tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride. The presence of these compounds in soil is related to the use of solvents. Several compounds related to landscaping and the use of pesticides, namely 4,4'-dichlorodiphenyldichloroethane (DDD), 4,4-dichlorodiphenyldichloroethene (DDE), 4,4-DDT, alpha-BHC, alpha-chlordane, Aroclor-1254, Aroclor-1260, dieldrin, endrin ketone, gamma-chlordane, heptachlor epoxide, and methoxychlor, were also detected in surface soil. In addition, elevated concentrations of chromium were detected underneath the former plating shop in the western central portion of the building between 0 and 1 feet bgs. Chromium was used at Site 4 as a component in the plating of aircraft engine parts.

Benzene, toluene, ethylbenzene, and xylene (BTEX) were detected across Site 4 at 54 soil sampling locations. The majority of the detections were in samples collected in the vicinity of Building 372, and engine testing facility. The presence of these compounds in soil is related to the use of petroleum products at the site.

Arsenic concentrations were elevated at isolated locations from 5 to 6 feet bgs. These isolated arsenic detections only slightly exceed the maximum background concentration of arsenic. Arsenic cannot be attributed to any known sources at Site 4. No other soil samples analyzed exhibited arsenic at concentrations exceeding the maximum ambient soil concentration of 23 milligram per kilogram (mg/kg).

The maximum concentrations of cadmium, copper, and silver were detected underneath the northern portion of Building 360 at 0 to 1 foot bgs. Cadmium and silver concentrations exceeding the ambient level appear to be localized in surface soil under and west of the former plating shop in the eastern portion of Building 360. Copper was detected in soil samples

collected from across the site, with elevated concentrations in surface soil underneath the former plating shop in Building 360 and Building 163A and at depth near sanitary, industrial, and storm sewer lines. Buildings 360 and 163A are the likely source of these metals in soil.

10.2.2 Risk Assessment Conclusions

This section discusses HHRA and ERA results for Site 4. Risk assessment results for the OU-wide groundwater plume are presented in more detail in Section 9.0.

Although numerous chemicals were detected at Site 4, some of these chemicals do not pose significant risk as defined by the risk assessments. Based on the HHRA, 2,4-dinitrotoluene, n-nitroso-di-n-propylamine, 3,3'-dichlorobenzidine, Aroclor-1254, arsenic, B(a)P, cadmium, and TCE were identified as risk drivers in soil. Based on the ERA, cadmium, copper, silver, and PAHs were identified as risk drivers in soil. According to the background comparison, arsenic is attributed to background.

10.2.2.1 Human Health Risk Assessment Conclusions

According to reuse plans for Alameda Point, residential and commercial/industrial exposures are the most likely future exposures at Site 4. Human health risk was evaluated for residential and commercial/industrial exposures, along with construction worker exposure.

The total RME carcinogenic risks for the commercial/industrial scenario are within the risk management range, and the HI are below 1 (see Table 10-1). The total RME carcinogenic risks for the construction worker scenario are within the risk management range, and the HIs are 1. For the residential scenario, the total RME carcinogenic risks are above the risk management range, and the HIs are above 1.

HHRA results for soil are summarized below.

For the commercial/industrial and construction worker scenarios, the most conservative RME carcinogenic risks for Site 4 soil are within the risk management range, and the most conservative RME noncancer HI for soil is below 1 (See Table 10-2).

The residential scenario is considered the most conservative estimate of risk. For surface soil, RME carcinogenic risks are within the risk management range. For subsurface soil, RME carcinogenic risks exceed the risk management range. The surface and subsurface soil noncancer HIs for a child are 4, which exceed the risk management HI of 1.

Soil risks are primarily attributed to arsenic, n-nitroso-di-n-propylamine, and 3,3'-dichlorobenzidine. Based on the background comparison, arsenic is attributed to background. N-nitroso-di-n-propylamine was detected in 2 of 165 subsurface soil samples at Site 4; 3,3'-dichlorobenzidine was detected in 1 of 165 samples. The risk from n-nitroso-di-n-

propylamine and 3,3'-dichlorobenzidine is attributed primarily to ingestion of homegrown produce, which is a highly uncertain exposure pathway. Excluding the ingestion of homegrown produce pathway, the RME carcinogenic risk is within the risk management range.

Lead in Soil and Groundwater

Lead was selected as a COPC for Site 4 soil and OU-wide groundwater and was evaluated using LeadSpread. Lead in soil and groundwater was not attributed to background. For both surface and subsurface soils, child blood lead levels are below the comparison criterion of 10 µg/dL. Based on LeadSpread results, there is no appreciable risk to human health from ingestion of lead in Site 4 soil and groundwater.

10.2.2.2 Ecological Risk Assessment Conclusions

A site-specific ERA was conducted for Site 4 to estimate potential risks to the environment. Currently, Site 4 does not contain ecological habitat capable of supporting significant wildlife; however, exposure pathways for terrestrial receptors were considered potentially complete to provide a conservative estimate of risk.

Assessment endpoint receptors include small mammals, passerines, and raptors. Cadmium, copper, and silver in soil were identified as posing potential risk to small mammals. Silver and PAHs in soil were identified as posing potential risk to passerines and raptors.

10.2.3 Recommendations

Based on the data and risks discussed above, soil at Site 4 is recommended for further evaluation in an FS, as defined under CERCLA, to address risks to residential receptors under the unrestricted reuse scenario. N-nitroso-di-n-propylamine, 3,3'-dichlorobenzidine, Aroclor-1254, cadmium, TCE, and PAHs are identified as COCs for soil.

Arsenic and 2,4-dinitrotoluene were also identified as risk drivers for soil but are not recommended as COCs for further evaluation in the FS. Arsenic is attributed to background. It is unlikely that 2,4-dinitrotoluene is actually present at Site 4, based on one detection in soil related to a fuel line and UST investigation that is not considered to be representative of current conditions and the concentration is below the 2002 PRG. This SVOC is considered a risk driver based on the homegrown produce pathway.

Although chemicals were identified that could pose a risk to ecological receptors, there is little likelihood Site 4 will be used for ecological habitat. Therefore, the risks identified for ecological receptors are overestimated. No action is recommended for chemicals based on potential risk to ecological receptors.

An evaluation of TPH in soil and groundwater also was conducted based on the TPH strategy for Alameda Point. On the basis of this evaluation, NFA is recommended for soil and further action is recommended for groundwater for TPH-associated constituents at Site 4. TPH-impacted groundwater is addressed further in the OU-wide groundwater section (see Section 9.0).

The following data gaps were identified.

- Further investigation of OWS-360 is recommended.
- Because detection limits for nondetected SVOCs in soil were elevated, further sampling and analysis of soil may be necessary to confirm these chemicals are not present in soil at Site 4.

10.3 SITE 11 CONCLUSIONS AND RECOMMENDATIONS

This section summarizes conclusions and recommendations regarding the nature and extent of chemicals at Site 11 and the risk posed by those chemicals. The contents of this section are based on: (1) the site-specific CSM, (2) background comparisons, (3) nature and extent evaluations, (4) the fate and transport evaluations, (5) the HHRA, and (6) the ERA.

10.3.1 Nature and Extent Conclusions

The nature and extent evaluation concluded that most of the chemicals detected across Site 11 are consistent with the historical activities that occurred at Building 14, including jet engine testing, equipment cleaning and repair, and use of petroleum products. There are three principal areas where chemicals appear to have been released to soil, (1) near fuel lines located in the southern portion of the site, (2) near OWS-162 and the storm sewer line running across the northern part of Site 11, and (3) near the industrial waste treatment line east of Building 627 (see Figure 7-1).

Most of the maximum detected concentrations of those chemicals related to solvent and fuel use (BTEX, lead, chlorobenzene, and methylene chloride) were detected in soil near fuel lines, UST, and aboveground storage tanks (AST) located in the southern portion of Site 11. The highest concentrations of chlorobenzene and methylene chloride occur at sample locations just south of the site boundary far from Building 14 where they may have been used and are therefore likely associated with laboratory contamination of the samples.

Lead in soil exceeding the maximum concentration observed in background soil (165 mg/kg) is confined to surface soil in the vicinity of M11-03, which is located near a fuel line southwest of Building 14. Concentrations of lead detected in samples from the site ranged from 0.78 to 109 mg/kg, which are below 299 mg/kg that equates to a 10 μg/dL child blood lead level. The lead in soil at Site 11 is possibly related to fuel use or asphalt.

In addition, PCBs (Aroclor 1254 and 1260) also were detected in this area just south of the site boundary. Aroclor 1254 was detected in one sample from 1.5 to 2 feet bgs and is likely associated with the use of PCBs as weed control. Aroclor 1260 was detected in two samples from 2.5 to 3.5 feet bgs.

Chromium, copper, and 1,2-DCE were detected in samples collected from the northeastern portion of the site near OWS-162 and the storm sewer line running across the northern part of the site. The VOC, 1,2-DCE was detected in a soil collected at one location from 8 to 9 feet bgs. Copper was generally detected in samples collected from across the site; however, it was detected above the maximum background concentration in a sample from the northeastern portion of the site collected at 8 to 9 feet bgs. Copper was detected in shallow samples collected immediately to the south of Building 14. Copper has been used at the site as a component in jet engine lubricants and appears to be located in an area where staining of the surface soil is evident in aerial photographs from 1957 to 1996 (Pacific Aerial Surveys, various years). The site has been paved since 1940 when Building 14 was built, however, materials may have reached soil through cracks in the concrete or asphalt in the stained area.

Acetone and mercury were detected near the industrial waste treatment line east of Building 627.

PAHs at Site 11 are generally low; concentrations at four sampling locations exceed the screening level of 0.62 mg/kg for B(a)P. PAHs at Site 11 likely are associated with fuel, asphalt, or the material used to fill in the San Francisco Bay and construct Alameda Point. PAHs appear to be confined to surface soil immediately below the concrete parking lot on the eastern side of Building 14 and in soil in the southern portion of the site near USTs 37-21 through 37-24. Widespread petroleum contamination was present near these USTs, and corrective action is ongoing.

10.3.2 Risk Assessment Conclusions

The following sections discuss HHRA and ERA results for Site 11. Risk assessment results for the OU-wide groundwater plume are presented in more detail in Section 9.0.

Although numerous chemicals were detected at the site, many of these chemicals do not pose significant risk as defined by the risk assessments. Significant risk to human health is potentially posed by Aroclor-1260, arsenic, and PAHs in soil. Based on the ERA, copper and PAHs in soil were identified as risk drivers. According to the background comparison, arsenic is attributed to background.

10.3.2.1 Human Health Risk Assessment Conclusions

According to reuse plans for Alameda Point, residential and commercial/industrial exposures are the most likely future exposures at Site 11 (EDAW 1996; Navy 1999c). Human health risk was evaluated for residential and commercial/industrial exposures, along with construction worker exposure.

The total RME carcinogenic risks for the commercial/industrial scenario are above the risk management range, and the HI are below 1 (see Table 10-1). The total RME carcinogenic risks for the construction worker scenario are within the risk management range, and the HIs are 1. For the residential scenario, the total RME carcinogenic risks are above the risk management range, and the HIs are above 1.

HHRA results for soil are summarized below.

Soil

For the commercial/industrial and construction worker scenarios, the most conservative RME carcinogenic risks for Site 11 soil are within the risk management range (see Table 10-2). The most conservative RME noncancer HIs for soil are below 1.

The residential scenario is considered the most conservative estimate of risk. For surface and subsurface soil, RME carcinogenic risks are within the risk management range. The surface and subsurface soil noncancer HIs for a child are 2. For both surface and subsurface soil, no individual HQ exceeds 1.

Residential soil risks are primarily attributed to arsenic and PAHs (B[a]P). Based on the background comparison, arsenic is attributed to background.

Lead in Soil and Groundwater

Lead was selected as a COPC for Site 11 soil and groundwater and was evaluated using LeadSpread. Lead in site soil is attributed to background; lead in OU-wide groundwater is not attributed to background. For both surface and subsurface soils, child blood lead levels are below the comparison criterion of 10 μg/dL. Based on LeadSpread results, there is no appreciable risk to human health from ingestion of lead in Site 11 soil and groundwater.

10.3.2.2 Ecological Risk Assessment Conclusions

A site-specific ERA was conducted for Site 11 to estimate potential risks to the environment. Currently, Site 11 does not contain ecological habitat capable of supporting significant wildlife; however, exposure pathways for terrestrial receptors were considered potentially complete to provide a conservative estimate of risk.

Assessment endpoint receptors include small mammals, passerines, and raptors. Copper in soil was identified as posing potential risk to small mammals. PAHs in soil were also identified as posing potential risk to passerines and raptors.

10.3.3 Recommendations

Based on the data and risks discussed above, soil at Site 11 is recommended for further evaluation in an FS, as defined under CERCLA, to address risks to residential receptors under the unrestricted reuse scenario. Aroclor-1260 and PAHs are identified as COCs for soil.

Arsenic was also identified as risk driver for soil but is not recommended as a COC for further evaluation in the FS because this metal is attributed to background.

Although chemicals were identified that could pose a risk to ecological receptors, there is little likelihood the site will be used for ecological habitat. Therefore, the risks identified for ecological receptors are overestimated. No action is recommended for chemicals based on potential risk to ecological receptors.

An evaluation of TPH in soil and groundwater also was conducted based on the TPH Strategy for Alameda Point. On the basis of this evaluation, NFA is recommended for Site 11 soil and further action is recommended for Site 11 groundwater for TTPH and TPH-associated constituents. TPH impacted groundwater is addressed further in the OU-wide groundwater section (Section 9.0).

The following data gaps were identified.

- Further delineation of lead in surface soil near sampling location M11-03 is recommended.
- Because detection limits for non-detected SVOCs in soil were elevated, the need for further sampling and analysis of soil may be necessary to confirm these chemicals are not present in site soil.

10.4 SITE 21 CONCLUSIONS AND RECOMMENDATIONS

This section summarizes conclusions and recommendations regarding the nature and extent of chemicals at Site 21 are the risk posed by those chemicals. The contents of this section are based on (1) the site-specific CSM, (2) data quality assessment, (3) background comparison, (4) nature and extent evaluations, (5) fate and transport evaluation, (6) the HHRA, and (7) the ERA.

10.4.1 Nature and Extent Conclusions

Most of the chemicals detected across Site 21 are consistent with the historical activities that occurred at Buildings 162, 398 and 113, including painting, paint stripping, sandblasting, jet engine maintenance and testing, equipment cleaning, and the use of petroleum products. There are five principal areas where chemicals appear to have been released to soil, (1) near USTs 398-1 and 398-2, (2) near the industrial waste treatment line located in the southern part of

Building 162, (3) near USTs 162-1 and 162-2 and the fuel line located on the northeast corner of Building 162, (4) near Building 113, and (5) southwest corner of Building 398 along the storm sewer line (see Figure 8-7).

The maximum concentrations of benzene and xylene are located in soil near an industrial waste treatment line to the south of USTs 398-1 and 398-2 at a depth of 5 feet bgs. Benzene was only detected in 2 of 71 samples collected at the site, and xylene was only detected in 7 of 68 samples collected at the site. Benzene and xylene are likely the result of TPH contamination at the site.

Copper and mercury also are located in shallow soil near USTs 398-1 and 398-2. Mercury was used within Building 162 in the repair of aircraft components; however; mercury concentrations are below the maximum background concentration. Copper was also used at the site as a component in jet engine lubricant.

The maximum concentrations of TCE and acetone were detected near the industrial waste treatment line in the southern part of Building 162. This is the only location where TCE was detected in soil (out of 51 samples) and acetone was only detected at one other location in soil (out of 46 samples). It is likely that TCE and acetone were used in Buildings 162, 398, and 113 as degreasers and cleaners.

The maximum concentration of aluminum in soil was detected east of Building 162 in a sample collected during the installation of monitoring well M07B-01. This does not correspond to the area at Building 398 where aluminum smelting activities are known to occur.

DDD, DDT, and Aroclor 1260 were detected in soil at sample location B07B-05 from 0.5 to 1.5 feet bgs, which is located near USTs 162-1 and 162-2 and the fuel line located on the northeast corner of Building 162. This is only sampling location (out of 22 samples) where these compounds were detected. DDD and DDT likely are present at the site from general pesticide use. Aroclor 1260 is likely located at the site as the result of used oils containing PCBs being used for weed and dust control.

The maximum concentration of toluene was detected from 3.5 to 4 feet bgs below Building 113. Toluene detected in soil near Buildings 113 398 is likely the result of TPH contamination in soil.

The maximum concentration of lead was detected in samples collected from surface soil near the southwest corner of Building 398 along the storm sewer line (sampling location 126-002-003 at 0.5 to 1 feet bgs). Lead detected in soil is likely the result of petroleum hydrocarbon and lead-based paint use at the site.

PAHs were detected at a maximum B(a)P equivalent concentration of 0.172 mg/kg, which is less than the screening level of 0.62 mg/kg.

Although arsenic concentrations in soil exceeded the background screening level, no evidence exists that arsenic was used in site-related activities. Arsenic concentrations detected in soil are

within background ranges typically seen in the San Francisco Bay Area (Tetra Tech 2003d); therefore, arsenic is attributed to background.

Copper concentrations exceeding the maximum background screening level appear to be localized within surface soil in three areas: the jet engine test cell area in Building 398, the paint booth in Building 113, and near UST 162-1.

Concentrations of iron elevated above the background screening level were detected in samples collected from three areas, inside the eastern edge of Building 398, west of Building 162, and between former UST 113 and the southwestern side of Building 162, with the maximum concentration detected below Building 398 (turbine accessories shop). Elevated concentrations were generally detected below the artificial fill. Iron appears to be uniformly distributed across the site and not exclusively related to storm sewers, buildings, or other site features, which suggests that iron occurs randomly across the site with no apparent source and may be naturally occurring.

Lead in two soil samples at the site exceeded the background screening level. Lead appears to be localized within surface soil near the southwest corner of Building 398 along the storm sewer line and the northeast corner of Building 162 near USTs 162-1 and 162-2. Lead-containing petroleum hydrocarbons and lead-based paint have been used at the site and are the likely source.

10.4.2 Risk Assessment Conclusions

The following sections discuss HHRA and ERA results for Site 21. Risk assessment results for the OU-wide groundwater plume are presented in more detail in Section 9.0.

Although numerous chemicals were detected at the site, some of these chemicals do not pose significant risk as defined by the risk assessments. Based on the HHRA, arsenic, cadmium, carbazole, and iron lead in soil were identified as risk drivers. Based on the ERA, copper, lead, and PAHs in soil were identified as risk drivers. According to the background comparison, cadmium is attributed to background, so it is not evaluated further.

10.4.2.1 Human Health Risk Assessment Conclusions

According to reuse plans for Alameda Point, residential and commercial/industrial exposures are the most likely future exposures at Site 21 (EDAW 1996; Navy 1999c). Human health risk was evaluated for residential and commercial/industrial exposures, along with construction worker exposure.

The total RME carcinogenic risks for the commercial/industrial scenario are above the risk management range, and the HIs are below 1 (see Table 10-1). The total RME carcinogenic risks for the construction worker scenario are within the risk management range, and the HIs are above 1. For the residential scenario, the total RME carcinogenic risks are above the risk management range, and the HIs are above 1.

HHRA results for soil are summarized below.

Soil

For the commercial/industrial and construction worker scenarios, the most conservative RME carcinogenic risks for Site 21 soil are within the risk management range (see Table 10-2). The most conservative RME noncancer HI for soil is 1, equal to the risk management HI of 1.

The residential scenario is considered the most conservative estimate of risk. For surface and subsurface soil, RME carcinogenic risks are within the risk management range. The surface and subsurface soil noncancer HIs for a child are 5 and 3, respectively.

Residential soil risks are primarily attributed to arsenic. Based on the background comparison, arsenic exceeds background concentrations.

Lead in Soil and Groundwater

Lead was selected as a COPC for Site 21 soil and groundwater and was evaluated using LeadSpread. Lead in site soil and OU-wide groundwater is not attributed to background. For both surface and subsurface soils, child blood lead levels are below the comparison criterion of 10 μg/dL. Based on LeadSpread results, there is no appreciable risk to human health from ingestion of lead in Site 21 soil and groundwater.

10.4.2.2 Ecological Risk Assessment Conclusions

A site-specific ERA was conducted for Site 21 to estimate potential risks to the environment. Currently, Site 21 does not contain ecological habitat capable of supporting significant wildlife; however, exposure pathways for terrestrial receptors were considered potentially complete to provide a conservative estimate of risk.

Assessment endpoint receptors include small mammals, passerines, and raptors. Copper and lead in soil were identified as posing potential risk to small mammals. PAHs in soil were identified as posing potential risk to passerines and raptors and lead was identified as posing a potential risk to raptors.

10.4.3 Recommendations

Based on the data and risks discussed previously, soil at Site 21 is recommended for further evaluation in a FS, as defined under CERCLA, to address risks to residential receptors under the unrestricted reuse scenario. Arsenic, carbazole, and iron are identified as COCs for soil. In addition, because detection limits for non-detected SVOCs in soil were elevated, the need for further sampling and analysis of soil may be necessary to confirm these chemicals are not present in site soil.

Cadmium was also identified as risk driver for soil but is not recommended as a COC for further evaluation in the FS because this metal is attributed to background.

Although chemicals were identified that could pose a risk to ecological receptors, there is little likelihood the site will be used for ecological habitat. Therefore, the risks identified for ecological receptors are overestimated. No action is recommended for chemicals based on potential risk to ecological receptors.

An evaluation of TPH in soil and groundwater also was conducted based on the TPH Strategy for Alameda Point. On the basis of this evaluation, NFA is recommended for Site 21 soil and further action is recommended for Site 21 groundwater for total TPH and TPH-associated constituents. TPH impacted groundwater is addressed further in the OU-wide groundwater section (Section 9.0).

10.5 OU-WIDE GROUNDWATER PLUME CONCLUSIONS AND RECOMMENDATIONS

This section summarizes conclusions and recommendations regarding the nature and extent of chemicals in the OU-wide groundwater plume and risk posed by those chemicals. The contents of this section are based on: (1) the site-specific CSMs, (2) background comparisons, (3) the nature and extent evaluations, (4) the fate and transport evaluations, (5) the HHRA, and (6) the ERA.

10.5.1 Nature and Extent Conclusions

Most of the chemicals detected in groundwater across OU-2B are consistent with historical activities that occurred at Sites 3, 4, 11, and 21, which included painting, paint stripping, and equipment cleaning and repair. In several areas, chemicals were apparently released to soil and migrated to groundwater, were released directly to groundwater, or were released to storm sewer lines which drained into the Seaplane Lagoon.

The primary chemicals used at the site include chlorinated solvents, petroleum hydrocarbons, and metals. Chlorinated solvents and their breakdown products (TCE, 1,2-DCE, PCE, vinyl chloride, dichlorobenzene, TCA, and DCA) were detected in groundwater across OU-2B with the highest concentrations located near Building 360 and the Seaplane Lagoon. Petroleum hydrocarbons were detected in groundwater across OU-2B and are generally commingled with CERCLA contaminates. The highest concentrations of petroleum hydrocarbon compounds were detected to the east of former Structure 430 and to the east of Building 372. The highest concentrations of BTEX were detected to the west of Building 372. MTBE was detected at it highest concentration just north of Building 360. Several metals were used at OU-2B and detected in groundwater including aluminum, cadmium, chromium, copper, iron, mercury and zinc. The highest concentrations of aluminum, copper, and mercury were detected to the east of Building 360. Cadmium, hexavalent chromium, and total chromium were detected at their highest concentrations below the central portion of Building 360 (near the plating shop) or just to the east of the central part of Building 360. Waste streams from the plating shop typically were disposed of into Seaplane Lagoon until 1975 when they were diverted into the Building 360 IWTP (E&E 1983). Zinc was detected in groundwater across OU-2B. The maximum

concentration was detected in a sample from a well south of Building 112 where the zinc smelter operated. There is no apparent correlation of zinc with those operations.

It is likely that the chlorinated solvents in groundwater originated at Building 360 and have migrated to the west of Buildings 162 and 14. TCE, DCE, TCA, and vinyl chloride concentrations generally decrease in samples collected closer to the Seaplane Lagoon. In addition, a secondary source of TCE and TCA may be DNAPL, which appears to be located north of Building 360 and beneath the building.

Benzene in groundwater is related to petroleum hydrocarbons, and USTs 97-A through 97-E and Building 372 are the likely sources.

Bis(2-ethylhexyl)phthalate was detected in 4 out of 203 groundwater samples collected near and underneath Building 360. Bis(2-ethylhexyl)phthalate and other phthalates are found in many plastics. This particular compound is referred to as a "common laboratory contaminant." It is frequently detected in SVOC results at a low level. EPA functional guidelines qualify detected results as not detected due to contamination at up to 10 times the detection limit, or 10 times the level found in the method blank, for common laboratory contaminants.

Bromodichloromethane was generally detected in groundwater containing chlorinated solvents, and Building 360 is the likely source. Because bromodichloromethane concentrations are apparently decreasing across OU-2B, a continuing source of bromodichloromethane does not appear to be present. Based on the maximum concentration of bromodichloromethane detected in groundwater at OU-2B, bromodichloromethane is not considered a primary risk driver.

Chloroethane was detected in shallow groundwater near the sanitary sewer line approximately 200 feet east of Building 414, near the storm sewer line approximately 175 feet east of Building 552, and under Buildings 360 and 398. It is a degradation product of both 1,1-DCA and 1,2-DCA and was commonly used in solvents and to produce gasoline additives. Chloroethane is likely related to past activities in and around Buildings 360 and 398.

Chloroform was detected in groundwater near Building 360 and near the center of OU-2B next to an industrial waste treatment line. Chloroform was detected at very low concentrations in more recent samples, which suggests that chloroform concentrations are decreasing at OU-2B.

Chloromethane was detected in shallow groundwater near former Structure 430 (near the southwest corner of Building 162) and north of Building 170. The chloromethane detected at OU-2B is likely being released in minor amounts from the degradation of the marsh crust. Because detections are few and low in concentration, chloromethane is not considered a primary risk driver at OU-2B.

Methylene chloride was detected in 31 of 783 groundwater samples collected from across OU-2B. However, 30 of the samples were from an investigation that did not meet data quality objectives for risk assessment because of contaminants present in blank samples. The one sample with a detected concentration of 75 μg/L was collected in 2002 from a location east of the OU-2B boundary (M03-11). Samples collected at this well before and after this sample

contained non-detected concentrations with detection limits of 5 and 18 μg/L. Data indicate that methylene chloride is attributed to laboratory contamination and not activities at Building 360.

The PAHs B(a)P), benzo(a)anthracene, and naphthalene were detected in OU-2B groundwater. B(a)P) and benzo(a)anthracene were detected in groundwater across OU-2B, with the maximum concentrations in groundwater collocated with elevated PAHs detected in soil. PAHs do not appear to be related to OU-2B activities because the maximum detected concentrations are located outside of the main work areas, which include buildings, industrial waste lines, sanitary sewer lines, storm sewer lines, and fuel lines. The source of these PAHs is likely related to the fill history of OU-2B.

Naphthalene was detected in groundwater around former Building 430 to the north, east, and south, near the sanitary and storm sewers approximately 175 feet east of Building 162, near the border of Sites 3 and 4 approximately 200 feet west of Building 552, and outside the western wall of Building 360. Naphthalene is naturally occurring in fossil fuels such as petroleum and coal and can also be produced by burning wood products. The presence of naphthalene in groundwater is likely attributed to fueling activities around former Building 430 as well as maintenance, storage, and testing activities in Buildings 162, 360, 372 and former Building 349.

The locations of detected concentrations do not indicate that Building 360 is the source of the methylene chloride contamination. Furthermore, methylene chloride is a common laboratory contaminant and was detected in associated blank samples for 20 of the 31 samples containing detectable methylene chloride concentrations; therefore, the presence of methylene chloride in groundwater samples is likely due to laboratory contamination.

Hexavalent chromium, iron and manganese are present above background concentrations in groundwater. Hexavalent chromium sampling was isolated to groundwater underneath the western portion of Building 360 and three sampling locations collected outside and to the west of the building. Detections were limited to groundwater samples collected underneath the western portion of Building 360. Hexavalent chromium samples collected in 1991 make up 5 of the 6 detections in groundwater at OU-2B. Sampling methods for hexavalent chromium in the early 1990s were not very accurate and the method was still being developed; current laboratory techniques are substantially better and provide a more accurate data set. The sample collected in 2001 contained 190 μg/L of hexavalent chromium and 1,540 μg/L total chromium making hexavalent chromium a small fraction of the total chromium detected. Plating activities within Building 360 could possibly have contributed to the presence of hexavalent chromium in groundwater at OU-2B.

Iron concentrations in groundwater are elevated in the eastern half of OU-2B, with the maximum concentration detected in a sample collected in 1990 along the northwestern side of Building 360. Iron is naturally occurring in soil and its solubility is very low in high pH solutions such as seawater. The elevated detections may be the result of the soil's ability to reduce iron, which may occur in the presence of petroleum hydrocarbons. The reduction of ferric iron to ferrous is caused by a series of chemical and biochemical reactions taking place in an anaerobic environment allowing the iron to go into solution causing a higher detection in groundwater.

Manganese was detected in groundwater across OU-2B. The most elevated concentrations were detected in samples from 50 to 96 feet bgs at locations apparently collocated with saline water. It is possible that the geochemistry created by the presence of saline water favors manganese accrual in groundwater. Manganese concentrations were generally lower in samples collected from shallower groundwater.

Once the petroleum hydrocarbons are removed from groundwater at OU-2B, oxidizing conditions will likely return, and then iron and manganese in groundwater will form complexes with organic matter, iron, and aluminum in soil and no longer be in solution.

10.5.2 Risk Assessment Conclusions

The following sections discuss HHRA and ERA results from the evaluation of risk from chemicals detected at OU-2B.

Based on the HHRA, the following chemicals in groundwater are risk drivers:

- 1,1-DCA
- 1,2-DCA
- 1,1-DCE
- 1,2-DCE (total)
- 1,4-Dichlorobenzene
- 1,1,2-TCA
- Antimony
- Arsenic
- Benzo(a)anthracene
- B(a)P
- Benzene
- Bis(2-ethylhexyl)phthalate
- Bromodichloromethane
- Cadmium
- Chloroethane
- Chloroform
- Chromium (hexavalent)
- Iron
- Manganese
- Methylene Chloride
- Naphthalene
- PCE
- TCE
- Thallium
- Vinyl Chloride

Based on the ERA, manganese in groundwater was identified as a risk driver. According to the background comparison, antimony, arsenic, cadmium, and thallium are attributed to background, so they are not evaluated further.

10.5.2.1 Human Health Risk Assessment Conclusions

According to reuse plans for Alameda Point, residential, commercial/industrial, and construction worker exposures are the most likely future exposures at OU-2B. Groundwater pathways for the construction worker receptors were not considered complete; therefore, groundwater was not evaluated for this exposure scenario. Human health risk was evaluated for residential and commercial/industrial exposure scenarios only. Inhalation of vapors from groundwater to indoor air was evaluated for the residential and commercial/industrial scenarios. HHRA results for OU-wide groundwater are summarized below.

Groundwater

For the commercial/industrial scenario, only inhalation of vapors from groundwater in indoor air was evaluated. The RME carcinogenic risk for the commercial/industrial scenario is within the risk management range (see Table 10-3). The RME noncancer HI for groundwater is below the risk management HI of 1.

For the construction worker, only inhalation of vapors in outdoor air was evaluated. The RME carcinogenic risk for the construction worker scenario is 6E-05, which is within the risk management range. The HI is 0.2, which is below the threshold HI of 1 for noncarcinogens. Carcinogenic risk drivers are 1,4-dichlorobenzene (5E-05) and TCE (7E-06).

For the residential scenario, carcinogenic risk is above the risk management range. The HI for a child is greater than the threshold HI of 1 for noncarcinogens. Residential groundwater risks are primarily attributed to the following:

- 1,1-DCA
- 1,2-DCA
- 1,1-DCE
- 1,2-DCE (total)
- 1,4-Dichlorobenzene
- 1,1,2-TCA
- Antimony
- Arsenic
- Benzo(a)anthracene
- B(a)P
- Benzene
- Bis(2-ethylhexyl)phthalate
- Bromodichloromethane
- Cadmium
- Chloroethane
- Chloroform
- Chromium (hexavalent)
- Iron
- Manganese
- Methylene Chloride
- Naphthalene
- PCE
- TCE
- Thallium
- Vinyl Chloride

Based on the background comparison, arsenic, manganese, and thallium are attributed to background. The carcinogenic risk from these background metals is 4E-04, and the noncancer HI is 40.

Lead in Soil and Groundwater

Lead was selected as a COPC for OU-wide groundwater and was evaluated along with site soil using the LeadSpread model (DTSC 2003). Sections 5.0 through 8.0 summarize the site-specific results based on LeadSpread modeling. Risk is posed by lead in soil and the lead plume at Site 3. Risk is not posed by lead in the OU-wide groundwater plume.

10.5.2.2 Ecological Risk Assessment Conclusions

Because the OU-wide groundwater plume intersects the Seaplane Lagoon, the exposure pathways for marine receptors were considered complete, and a site-specific ERA was conducted

for the OU-wide groundwater plume to estimate potential risks to marine receptors. Significant risk to ecological receptors is potentially posed by manganese; however, elevated manganese is likely caused by the saline conditions of the groundwater (see Section 10.5.1).

10.5.3 Recommendations

Based on the data and risks discussed above, The OU-wide groundwater plume is recommended for further evaluation in a FS, as defined under CERCLA, to address risks to commercial/industrial receptors and residential receptors under the unrestricted reuse scenario. TCE and vinyl chloride were identified as the primary COCs (exceed the risk management range) and the following chemicals are identified as secondary COCs (within the risk management range):

- 1,1-DCA
- 1,2-DCA
- 1,1-DCE
- 1,2-DCE (total)
- 1,4-Dichlorobenzene
- 1,1,2-TCA
- Benzene
- Benzo(a)anthracene
- B(a)P
- Chromium (hexavalent)
- Iron
- Manganese
- Naphthalene
- PCE

In addition, the following potential data gaps were identified. Because detection limits for non-detected SVOCs and the VOCs 1,1,1-TCA, 1,1,2-TCA, and vinyl chloride in groundwater were elevated, the need for further sampling and analysis of groundwater may be necessary to confirm these chemicals are not present in OU-wide groundwater. Based on quarterly sampling in 2001 and 2002, concentrations of 1,4-dichlorobenzene appear to be increasing over time in the vicinity of MW360-1. The source of this increase in 1,4-dichlorobenzene concentrations is identified as a data gap.

Antimony, arsenic, cadmium, and thallium were identified as risk drivers for OU-wide groundwater but are not recommended as COCs for further evaluation in the FS because these metals are attributed to background.

Bis(2-ethylhexyl)phthalate, bromodichloromethane, chloroform, chloroethane, and methylene chloride were also identified as risk drivers, but it was determined that they are not a significant concern and are not recommended as COCs.

An evaluation of TPH in groundwater also was conducted based on the TPH Strategy for Alameda Point. On the basis of this evaluation, further action is recommended for OU-2B groundwater for total TPH and TPH-associated constituents. Corrective action is currently being conducted under the Navy's TPH program to address groundwater contamination at Site 11 (known as Corrective Action Area 11).

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ALAMEDA POINT
SSIC NO. 5090.3

TABLES

FINAL OPERABLE UNIT 2B
REMEDIAL INVESTIGATION REPORT
SITES 3, 4, 11, AND 21

DATED 05 AUGUST 2005

TABLE 10-1: HUMAN HEALTH RISK ASSESSMENT SUMMARY FOR SOIL

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

EXPOSURE SCENARIOS			SITE 3[a]		SITE 4[a]		SITE 11[a]		SITE 21[a]	
			Cancer	Non-cancer	Cancer	Non-cancer	Cancer	Non-cancer	Cancer	Non-cancer
Residential, 0-2 Feet bgs										
Soil	RME	Adult	4E-05	1	1E-04	2	2E-05	0.8	7E-05	2
		Child	4E-05	5	4E-05	4	2E-05	2	5E-05	5
Groundwater	RME	Adult	7E-03	130	7E-03	130	7E-03	130	7E-03	130
		Child	4E-03	310	4E-03	310	4E-03	310	4E-03	310
Total Risk			1E-02	315	1E-02	314	1E-02	312	1E-02	315
Residential, 0-8 Feet bgs										
Soil	RME	Adult	8E-05	1	1E-04	1	2E-05	0.7	2E-05	1
		Child	7E-05	6	5E-05	4	2E-05	2	2E-05	3
Groundwater	RME	Adult	7E-03	130	7E-03	130	7E-03	130	7E-03	130
		Child	4E-03	310	4E-03	310	4E-03	310	4E-03	310
Total Risk			1E-02	316	1E-02	314	1E-02	312	1E-02	NA
Commercial/Industrial, 0-2 Feet bgs										
Soil	RME	Adult	1E-05	0.4	4E-06	0.2	1E-05	0.2	1E-05	0.3
Groundwater	RME	Adult	1E-04	0.2	1E-04	0.2	1E-04	0.2	1E-04	0.2
Total Risk			2E-04	0.6	2E-04	0.4	2E-04	0.3	2E-04	0.5
Commercial/Industrial, 0-8 Feet bgs										
Soil	RME	Adult	2E-05	0.5	8E-06	0.2	1E-05	0.1	4E-06	0.2
Groundwater	RME	Adult	1E-04	0.2	1E-04	0.2	1E-04	0.2	1E-04	0.2
Total Risk			2E-04	0.7	2E-04	0.4	2E-04	0.3	2E-04	0.4
Construction Worker, 0-2 Feet bgs										
Soil	RME	Adult	1E-06	1	4E-07	0.5	1E-06	0.5	2E-06	1
Groundwater	RME	Adult	6E-05	0.9	6E-05	0.9	6E-05	0.9	6E-05	0.9
Total Risk			6E-05	2	6E-05	1	6E-05	1	6E-05	2
Construction Worker, 0-8 Feet bgs										
Soil	RME	Adult	2E-06	1	7E-07	0.6	8E-07	0.4	5E-07	1
Groundwater	RME	Adult	6E-05	0.9	6E-05	0.9	6E-05	0.9	6E-05	0.9
Total Risk			6E-05	2	6E-05	1	6E-05	1	6E-05	2

TABLE 10-1: HUMAN HEALTH RISK ASSESSMENT SUMMARY FOR SOIL

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

EXPOSURE SCENARIOS			SITE 3[a]		SITE 4[a]		SITE 11[a]		SITE 21[a]	
			Cancer	Non-cancer	Cancer	Non-cancer	Cancer	Non-cancer	Cancer	Non-cancer
Residential, 0-2 Feet bgs										
Soil	CTE	Adult	4E-06	0	8E-06	1	2E-06	0.2	7E-06	1
		Child	1E-05	2	6E-06	1	1E-05	0.9	2E-05	2
Groundwater	CTE	Adult	2E-03	9	2E-03	9	2E-03	9	2E-03	9
		Child	4E-03	3	4E-03	3	4E-03	3	4E-03	3
Total Risk			6E-03	5	6E-03	4	6E-03	4	6E-03	5
Residential, 0-8 Feet bgs										
Soil	CTE	Adult	8E-06	1	1E-05	0.4	2E-06	0.2	2E-06	0.3
		Child	3E-05	3	1E-05	1	8E-06	1	6E-06	1
Groundwater	CTE	Adult	2E-03	9	2E-03	9	2E-03	9	2E-03	9
		Child	4E-03	3	4E-03	3	4E-03	3	4E-03	3
Total Risk			6E-03	6	6E-03	4	6E-03	4	6E-03	NA
Commercial/Industrial, 0-2 Feet bgs										
Soil	CTE	Adult	7E-07	0.1	2E-07	0.1	5E-07	0.1	9E-07	0.1
Groundwater	CTE	Adult	2E-05	0.2	2E-05	0.2	2E-05	0.2	2E-05	0.2
Total Risk			2E-05	0.3	2E-05	0.3	2E-05	0.3	2E-05	0.3
Commercial/Industrial, 0-8 Feet bgs										
Soil	CTE	Adult	1E-06	0.2	8E-07	0.1	4E-07	0.1	3E-07	0.1
Groundwater	CTE	Adult	2E-05	0.2	2E-05	0.2	2E-05	0.2	2E-05	0.2
Total Risk			2E-05	0.4	2E-05	0.3	2E-05	0.3	2E-05	0.3
Construction Worker, 0-2 Feet bgs										
Soil	CTE	Adult	1E-07	0.1	3E-08	0.0	7E-08	0.03	1E-07	0.1
Groundwater	CTE	Adult	1E-05	0.2	1E-05	0.2	1E-05	0.2	1E-05	0.2
Total Risk			1E-05	0	1E-05	0	1E-05	0	1E-05	0
Construction Worker, 0-8 Feet bgs										
Soil	CTE	Adult	2E-07	0.1	7E-08	0.04	6E-08	0.03	0.00	0.05
Groundwater	CTE	Adult	1E-05	0.2	1E-05	0.2	1E-05	0.2	1E-05	0.2
Total Risk			1E-05	0	1E-05	0	1E-05	0	1E-05	0

Notes:

[a] Includes risk from background

CTE Central tendency exposure

NA Not Applicable

RME Reasonable maximum exposure

TABLE 10-2: HUMAN HEALTH RISK ASSESSMENT SUMMARY FOR SOIL

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

EXPOSURE SCENARIOS			SITE 3[a]		SITE 4[a]		SITE 11[a]		SITE 21[a]	
			Cancer	Non-cancer	Cancer	Non-cancer	Cancer	Non-cancer	Cancer	Non-cancer
Residential										
0-2 ft bgs	RME	Adult	4E-05	1	1E-04	2	2E-05	0.8	7E-05	2
		Child	4E-05	5	4E-05	4	2E-05	2	5E-05	5
		Total Risk	7E-05	NA	1E-04	NA	4E-05	NA	1E-04	NA
	CTE	Adult	4E-06	0	8E-06	1	2E-06	0.2	7E-06	1
		Child	1E-05	2	6E-06	1	1E-05	0.9	2E-05	2
		Total Risk	7E-05	NA	1E-05	NA	1E-05	NA	3E-05	NA
0-8 ft bgs	RME	Adult	8E-05	1	1E-04	1	2E-05	0.7	2E-05	1
		Child	7E-05	6	5E-05	4	2E-05	2	2E-05	3
		Total Risk	1E-04	NA	2E-04	NA	4E-05	NA	4E-05	NA
	CTE	Adult	8E-06	1	1E-05	0.4	2E-06	0.2	2E-06	0.3
		Child	3E-05	3	1E-05	1	8E-06	1	6E-06	1
		Total Risk	1E-04	NA	2E-05	NA	1E-05	NA	8E-06	NA
Commercial/Industrial										
0-2 ft bgs	RME	Adult	1E-05	0.4	4E-06	0.2	1E-05	0.2	1E-05	0.3
		Total Risk	1E-05	NA	4E-06	NA	1E-05	NA	1E-05	NA
	CTE	Adult	7E-07	0.1	2E-07	0.1	5E-07	0.1	9E-07	0.1
		Total Risk	7E-07	NA	2E-07	NA	5E-07	NA	9E-07	NA
0-8 ft bgs	RME	Adult	2E-05	0.5	8E-06	0.2	1E-05	0.1	4E-06	0.2
		Total Risk	2E-05	NA	8E-06	NA	1E-05	NA	4E-06	NA
	CTE	Adult	1E-06	0.2	8E-07	0.1	4E-07	0.1	3E-07	0.1
		Total Risk	1E-06	NA	8E-07	NA	4E-07	NA	3E-07	NA
Construction Worker										
0-2 ft bgs	RME	Adult	1E-06	1	4E-07	0.5	1E-06	0.5	2E-06	1
		Total Risk	1E-06	NA	4E-07	NA	1E-06	NA	2E-06	NA
	CTE	Adult	1E-07	0.1	3E-08	0.0	7E-08	0.03	1E-07	0.1
		Total Risk	1E-07	NA	3E-08	NA	7E-08	NA	1E-07	NA
0-8 ft bgs	RME	Adult	2E-06	1	7E-07	0.6	8E-07	0.4	5E-07	1
		Total Risk	2E-06	NA	7E-07	NA	8E-07	NA	5E-07	NA
	CTE	Adult	2E-07	0.1	7E-08	0.04	6E-08	0.03	0.00	0.05
		Total Risk	2E-07	NA	7E-08	NA	6E-08	NA	4E-08	NA

Notes:

[a] Includes risk from background
NA Not Applicable
RME Reasonable maximum exposure

TABLE 10-3 HUMAN HEALTH RISK ASSESSMENT SUMMARY FOR OU-WIDE GROUNDWATER PLUME

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

EXPOSURE SCENARIOS			Cancer[a]	Non-cancer[a]
Residential				
Groundwater	RME	Adult	7E-03	130
		Child	4E-03	310
		Total Risk	1E-02	NA
	CTE	Adult	2E-03	9
		Child	4E-03	3
		Total Risk	6E-03	NA
Commercial/Industrial				
Groundwater	RME	Adult	1E-04	0.2
		Total Risk	1E-04	NA
	CTE	Adult	2E-05	0.2
		Total Risk	2E-05	NA
Construction Worker				
Groundwater	RME	Adult	6E-05	0.9
		Total Risk	6E-05	NA
	CTE	Adult	1E-05	0.2
		Total Risk	1E-05	NA

Notes:

a	Includes risk from background
NA	Not applicable
RME	Reasonable maximum exposure

TABLE 10-4: REMEDIAL INVESTIGATION SUMMARY
Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

CERCLA SITE	MEDIUM	HHRA CARCINOGENIC RISK			HHRA NON-CARCINOGENIC RISK		ECOLOGICAL RISK			PAHs (mg/kg)			ELEVATED LEAD	RECOMMENDED FOR FURTHER ACTION IN A FS?
		$<10^{-6}$	10^{-6} to 10^{-4}	$>10^{-4}$	<1	≥1	No	Low	High	<0.62	0.62 to 1.0	>1.0		
3	Soil		X			X		X				X	Yes	Yes
	Groundwater	NA			NA		X			NA			Yes	Yes
4	Soil			X		X		X				X	No	Yes
11	Soil		X			X		X				X	No	Yes
21	Soil		X			X		X		X			No	Yes
OU-wide	Groundwater			X		X		X		NA			No	Yes

Notes:

FS	Feasibility study
HHRA	Human health risk assessment
mg/kg	Milligrams per kilogram
PAH	Polynuclear aromatic hydrocarbons
NA	Not Applicable

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