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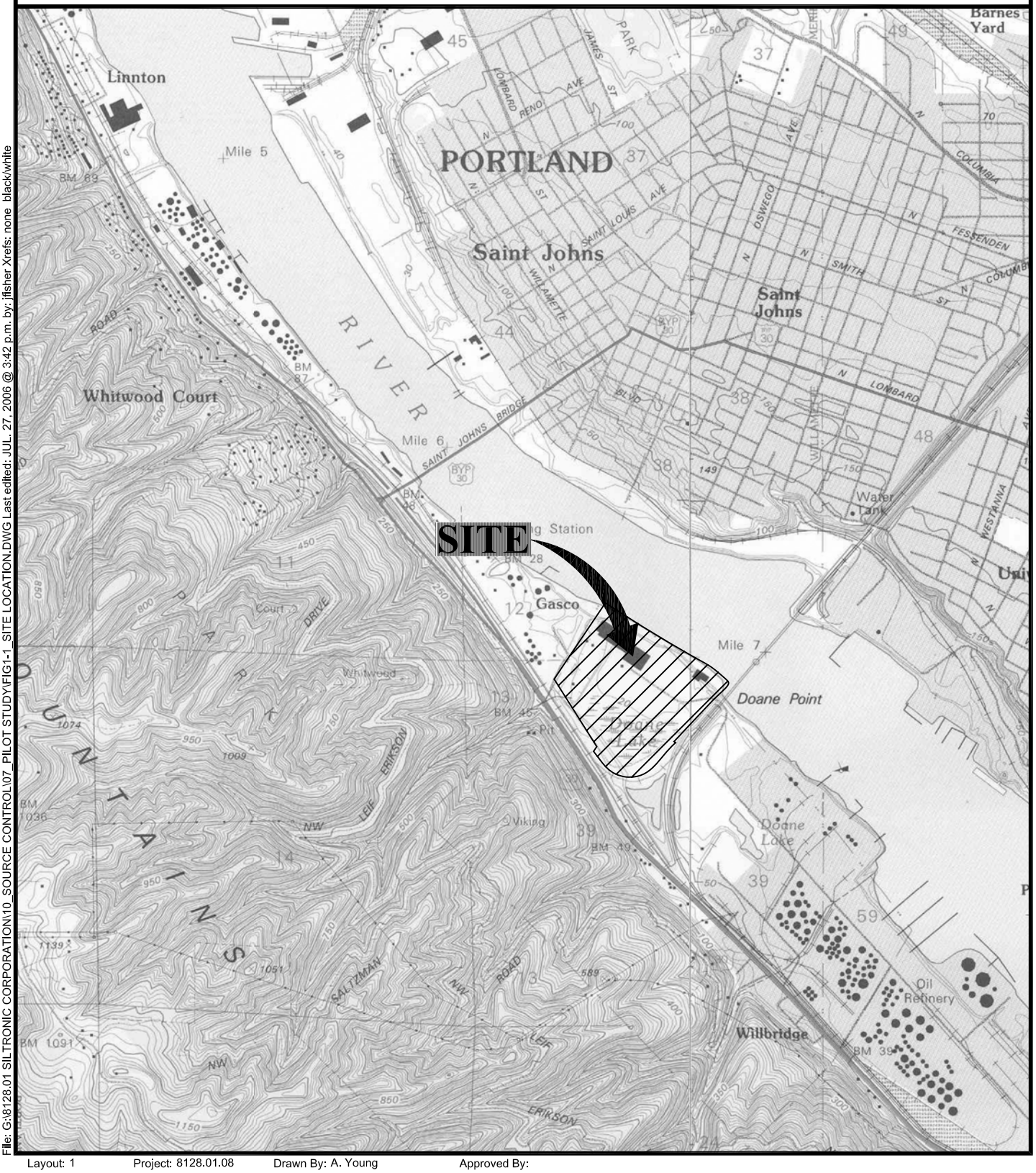
0 2000 4000
FEET

N

Figure 1-1
Siltronic Corporation
Portland, Oregon

Site Location

Source: Base map prepared from DeLorme 3-D TopoQuads (1999)
Site Address:
Section: Township: Range: Of Willamette Meridian



File: G:\8128.01 SILTRONIC CORPORATION\10_SOURCE CONTROL\07_PILOT STUDY\FIG1-1_SITE LOCATION.DWG Last edited: JUL. 27, 2006 @ 3:42 p.m. by: jfisher Xrefs: none black/white

Layout: 1 Project: 8128.01.08 Drawn By: A. Young Approved By:

Figure 1-2
Pilot Study Plan View

Siltronic Corporation
Portland, Oregon

Legend

- Monitoring Well Location
- Source Area Pilot Study Area
- Downgradient Pilot Study Area
- Approximate Extent of TCE and its Degradation Products in Groundwater
- Area 1 (potential transition zone impacts)
- Area 2 (potential transition zone impacts)

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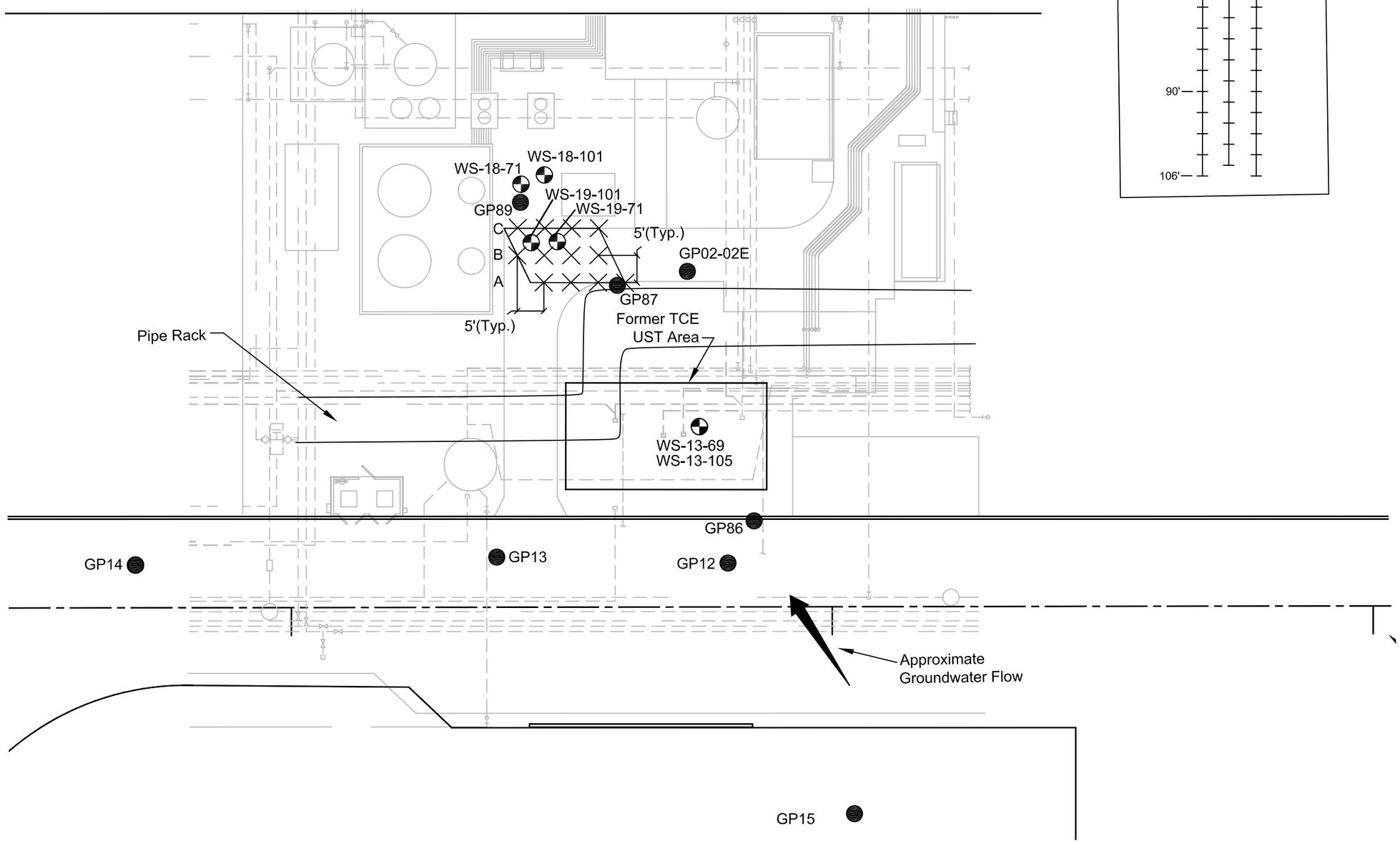
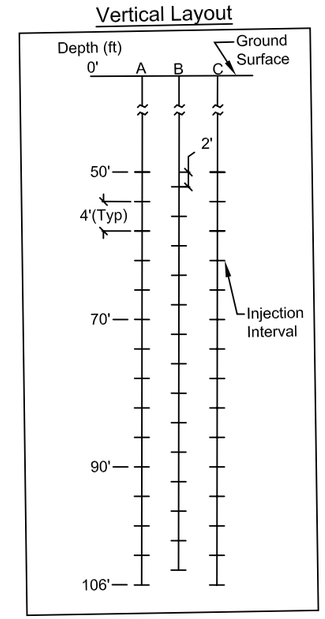
File: X8128.01 Siltronic Corp\10\Fig1-2_Pilot Study Plan View

Project: 8128.01.10 Produced By: T. Vick Approved By: B. Fauth

Figure 1-3
Source Zone Pilot Study Layout

Siltronic Corporation
Portland, Oregon





Legend:
- Boring Location
- Monitoring Well Location (Approximate)
- Injection Point (Approximate)

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File: G:\8128.01 SILTRONIC CORPORATION\10_SOURCE CONTROL\07_PILOT STUDY\FIG1-3_SOURCEZONE PILOT STUDY.DWG Last edited: JUL. 27, 2006 @ 3:36 p.m. by: jfisher Xrefs: Bathymetry_2005, Site Base_2005, temp-centerline, 1M014, 1XM-1-S2, 1XME1-S2, 2XA-1-D

Layout: 1 Project: 8128.01.08 Drawn By: D. Glaus Approved By: J. Peale

Figure 1-4
Riverbank Pilot Study Layout

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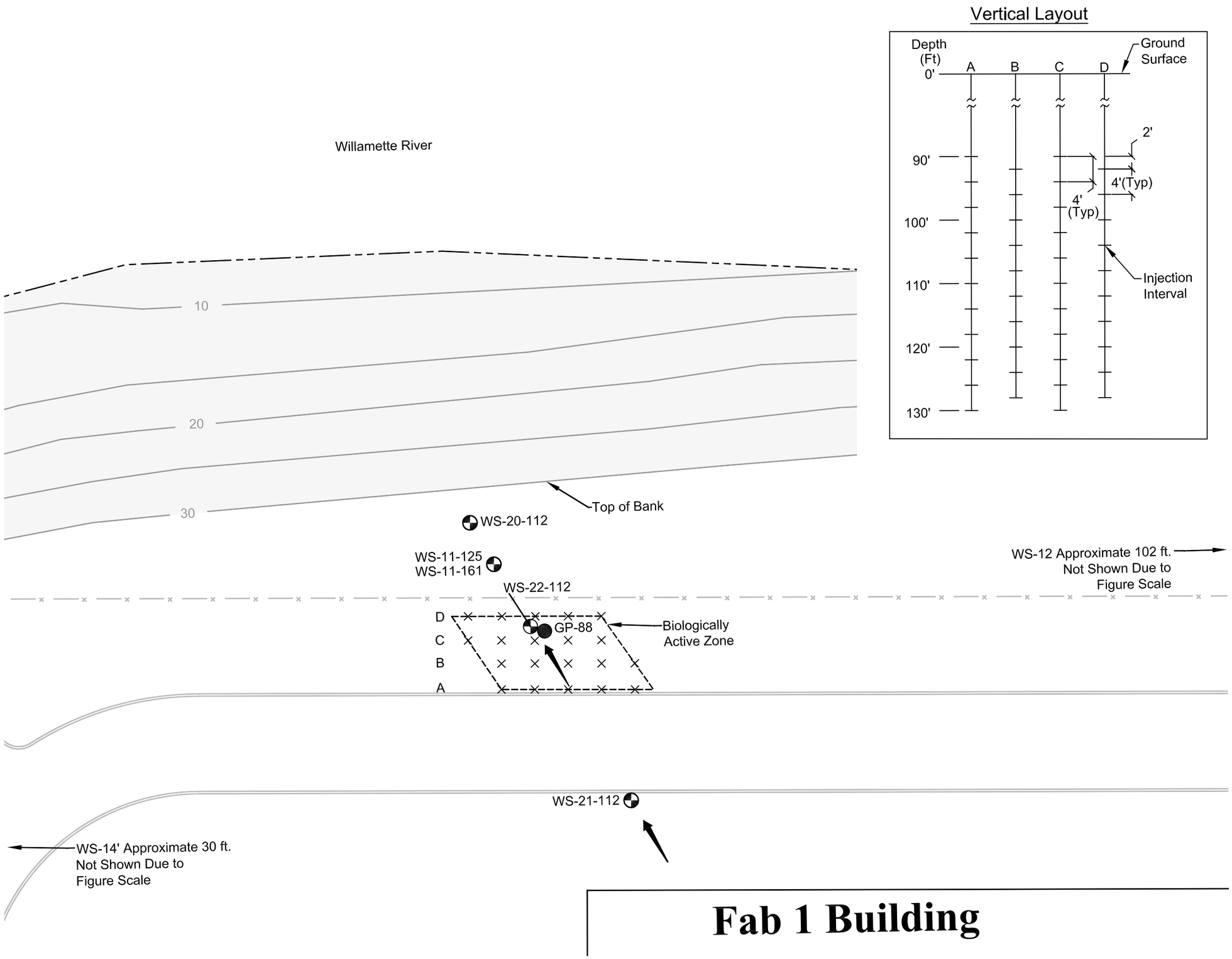
Portland, Oregon



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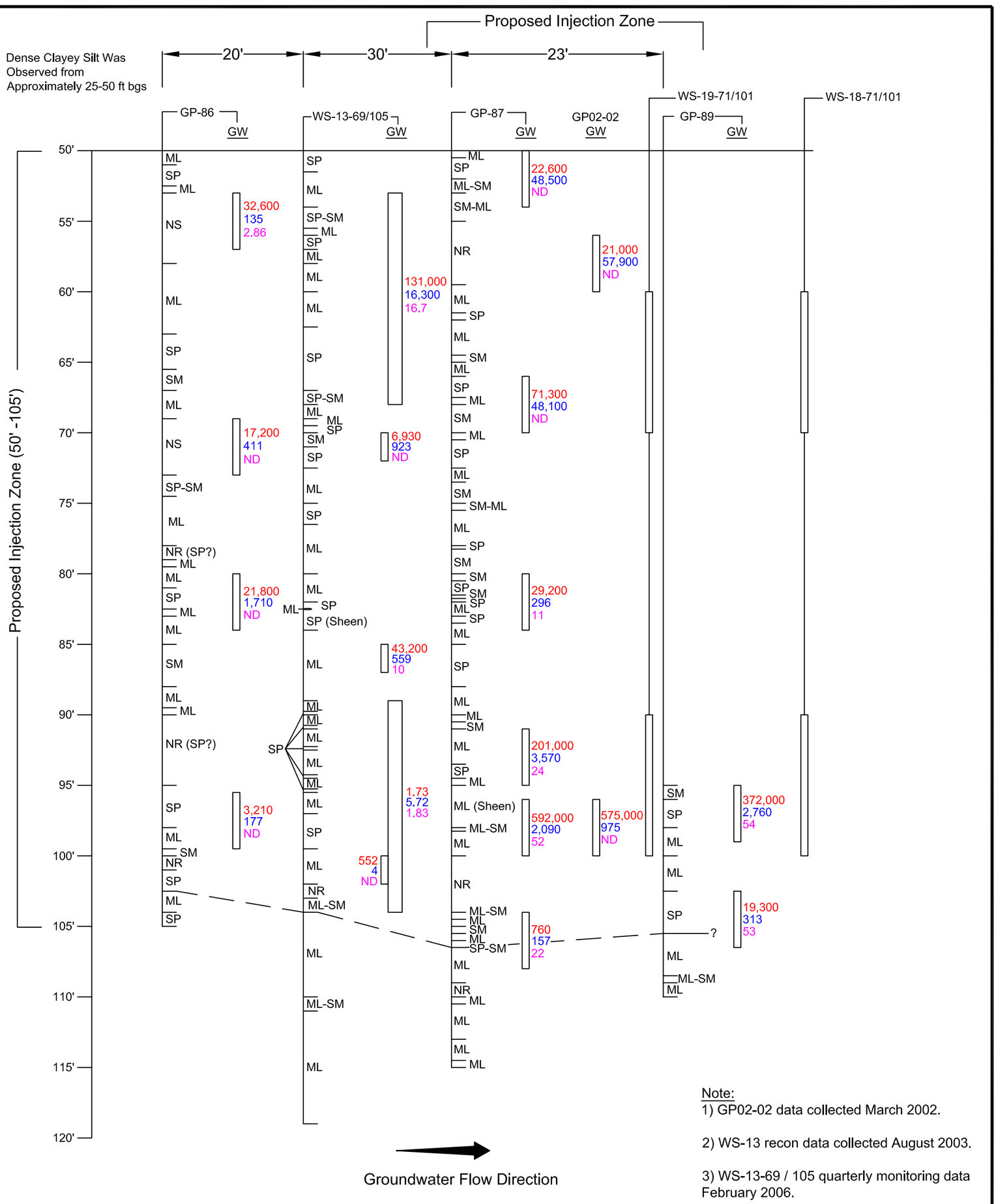
File: G:\8128.01 SILTRONIC CORPORATION\10_SOURCE CONTROL\07_PILOT STUDY\FIG1-4_RIVERBANK PILOT STUDY.DWG Last edited: JUL. 27, 2006 @ 3:39 p.m. by: jfisher Xrefs: Site Base_2005, Well Base_2005_Small black/white

Layout: 1 Project: 8128.01.08 Drawn By: D. Glaus Approved By: J. Peale



Note:
1) GP02-02 data collected March 2002.

2) WS-13 recon data collected August 2003.

3) WS-13-69 / 105 quarterly monitoring data February 2006.

Legend:

22,600	Trichloroethene (ug/L)
48,500	cis-1,2-DCE (ug/L)
ND	Vinyl Chloride (ug/L)
GW	Groundwater Sample Interval
GP-87	Geoprobe ID
— — —	Apparent Soil Interface
TMW	Temporary Monitoring Well
ug/L	Micrograms per Liter

Legend (continued):

ML	Silt, Sandy Silt
SM	Sand, Silty Sand
SP	Sand, Fine-Medium
NR	No Recovery
NS	No Core Collected

Horizontal=Not To Scale

Figure 1-5
Source Zone Soil Stratigraphy and Groundwater Results

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File: G:\8128.01 SILTRONIC CORPORATION\10 SOURCE CONTROL\07 PILOT STUDY\FIG1-5 SOURCE ZONE SOIL STRAT.DWG Last edited: JUL. 27, 2006 @ 3:40 p.m. by: jfisher Xrefs: none black/white

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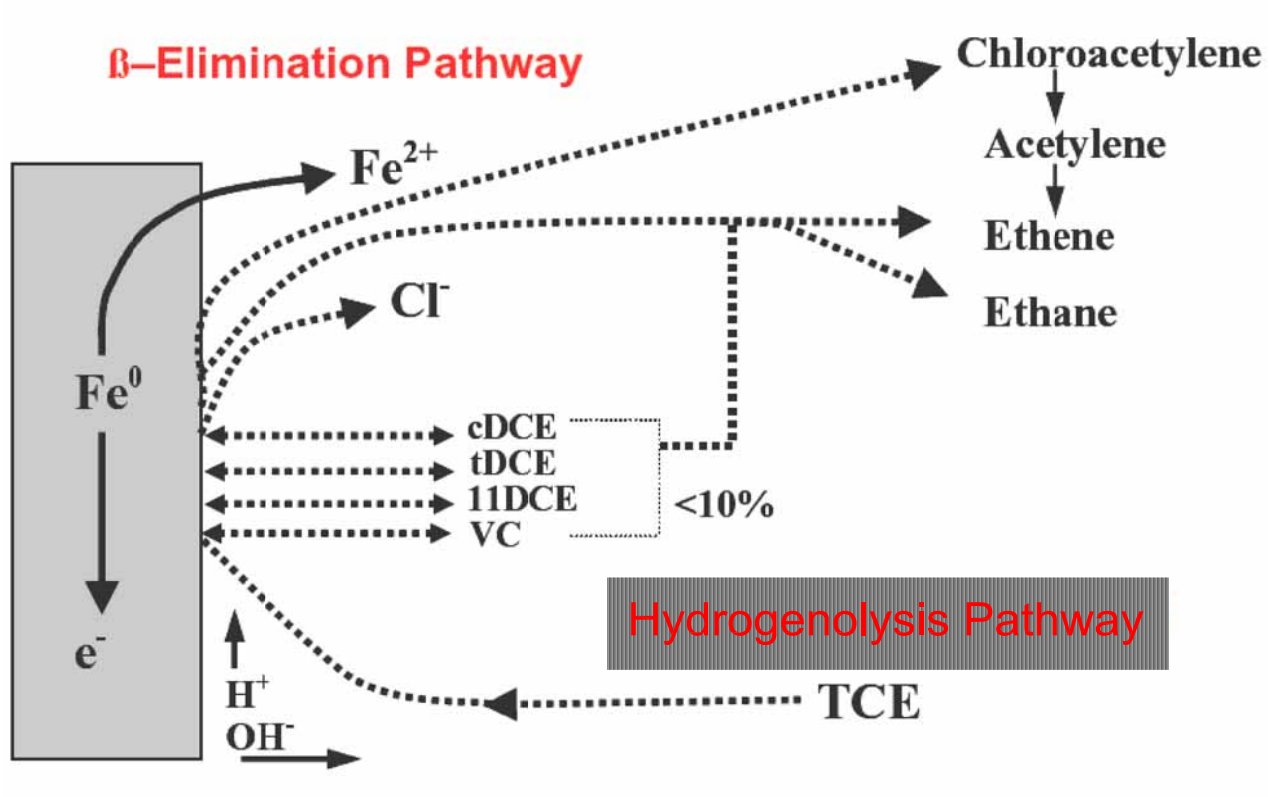
Figure 2-1
Siltronic Corporation
Portland, Oregon

Abiotic Beta Elimination Pathway for TCE



File: G:\8128.01 SILTRONIC CORPORATION\10_SOURCE CONTROL\07_PILOT STUDY\FIG2-1_ABIOTIC BETA ELIMIN.DWG Last edited: JUL. 27, 2006 @ 3:33 p.m. by: jfisher Xrefs: none black/white

Layout: 1 Project: 8128.01.10 Drawn By: JLF Approved By: J. Peale

Figure 8-1. Pilot Study Timeline
Siltronic Corporation

ID	Task Name	Duration	Start	Finish
1	**Pilot Study**	**238 days**	**Wed 4/12/06**	**Fri 3/9/07**
2	**Coordination and Setup**	**29 days**	**Wed 4/12/06**	**Mon 5/22/06**
3	**Pilot Study Workplan Review & Approval**	**27 days**	**Wed 4/12/06**	**Thu 5/18/06**
4	DEQ Review/Approval	5 wks	Wed 4/12/06	Tue 5/16/06
5	Preliminary Review Meeting	1 day	Mon 4/24/06	Mon 4/24/06
6	Review Meeting	1 day	Thu 5/18/06	Thu 5/18/06
7	UIC Registration	4 wks	Wed 4/12/06	Tue 5/9/06
8	OWRD Notification	4 wks	Wed 4/12/06	Tue 5/9/06
9	Order KB-1	3 wks	Tue 5/2/06	Mon 5/22/06
10	Order EHC	3 wks	Tue 5/2/06	Mon 5/22/06
11	**Field Implementation**	**35 days**	**Tue 5/30/06**	**Mon 7/17/06**
12	Mobilization	1 day	Tue 5/30/06	Tue 5/30/06
13	Install Monitoring Wells	13 days	Wed 5/31/06	Fri 6/16/06
14	Downgradient Injections	22 days	Wed 5/31/06	Thu 6/29/06
15	Source Injection	12 days	Fri 6/30/06	Mon 7/17/06
16	**Riverbank Monitoring**	**127 days**	**Wed 6/28/06**	**Thu 12/21/06**
17	Time Zero Sampling Riverbank	1 day	Wed 6/28/06	Wed 6/28/06
18	Month 1 Sampling	1 day	Thu 7/27/06	Thu 7/27/06
19	Month 2 Sampling	1 day	Fri 8/25/06	Fri 8/25/06
20	Month 3 Sampling	1 day	Tue 9/26/06	Tue 9/26/06
21	Month 4 Sampling	1 day	Wed 10/25/06	Wed 10/25/06
22	Month 6 Sampling	1 day	Thu 12/21/06	Thu 12/21/06
23	**Source Area Sampling**	**148 days**	**Tue 6/27/06**	**Thu 1/18/07**
24	Baseline Monitoring Source Area	1 day	Tue 6/27/06	Tue 6/27/06
25	Time Zero Sampling Source Area	1 day	Tue 7/18/06	Tue 7/18/06
26	Month 1 Sampling	1 day	Thu 8/24/06	Thu 8/24/06
27	Month 2 Sampling	1 day	Mon 9/25/06	Mon 9/25/06
28	Month 3 Sampling	1 day	Tue 10/24/06	Tue 10/24/06
29	Month 4 Sampling	1 day	Wed 11/22/06	Wed 11/22/06
30	Month 6 Sampling	1 day	Thu 1/18/07	Thu 1/18/07
31	**Progress Reports**	**89 days**	**Tue 8/15/06**	**Fri 12/15/06**
32	Month 1 Progress Report	5 days	Tue 8/15/06	Mon 8/21/06
33	Month 2 Progress Report	5 days	Wed 9/13/06	Tue 9/19/06
34	Month 3 Progress Report	5 days	Fri 10/13/06	Thu 10/19/06
35	Month 4 Progress Report	5 days	Mon 11/13/06	Fri 11/17/06
36	Month 5 Progress Report	5 days	Mon 12/11/06	Fri 12/15/06
37	**Final Report**	**61 days**	**Fri 12/15/06**	**Fri 3/9/07**
38	Report Preparation	8 wks	Fri 12/15/06	Thu 2/8/07
39	Submit to DEQ	1 day	Fri 2/9/07	Fri 2/9/07
40	DEQ Review	4 wks	Mon 2/12/07	Fri 3/9/07

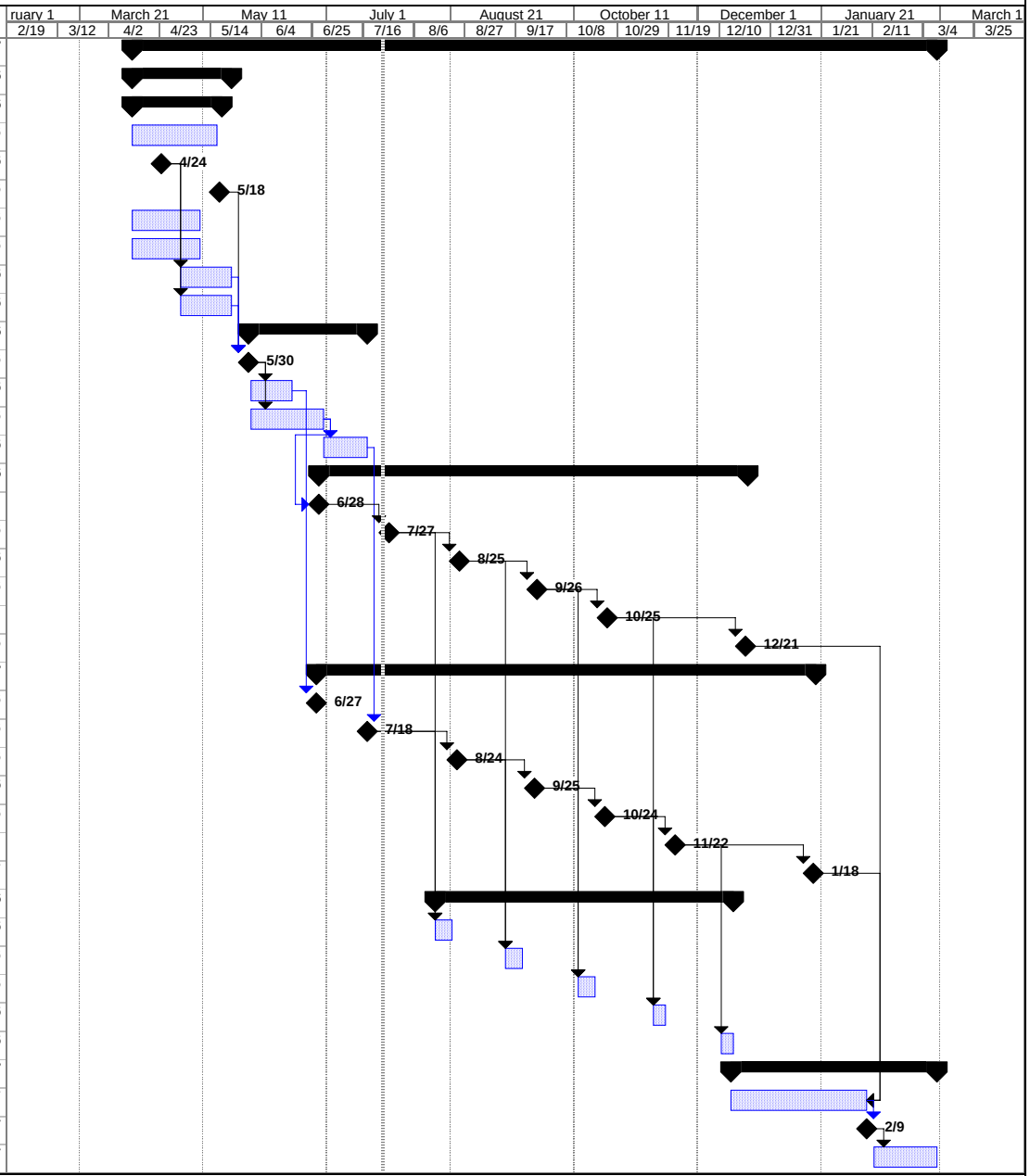


Figure 8-1. Pilot Study Timeline
Date: Mon 7/24/06

Task | Progress | Summary | External Tasks | Deadline
Split | Milestone | Project Summary | External Milestone