

ATTACHMENT 1

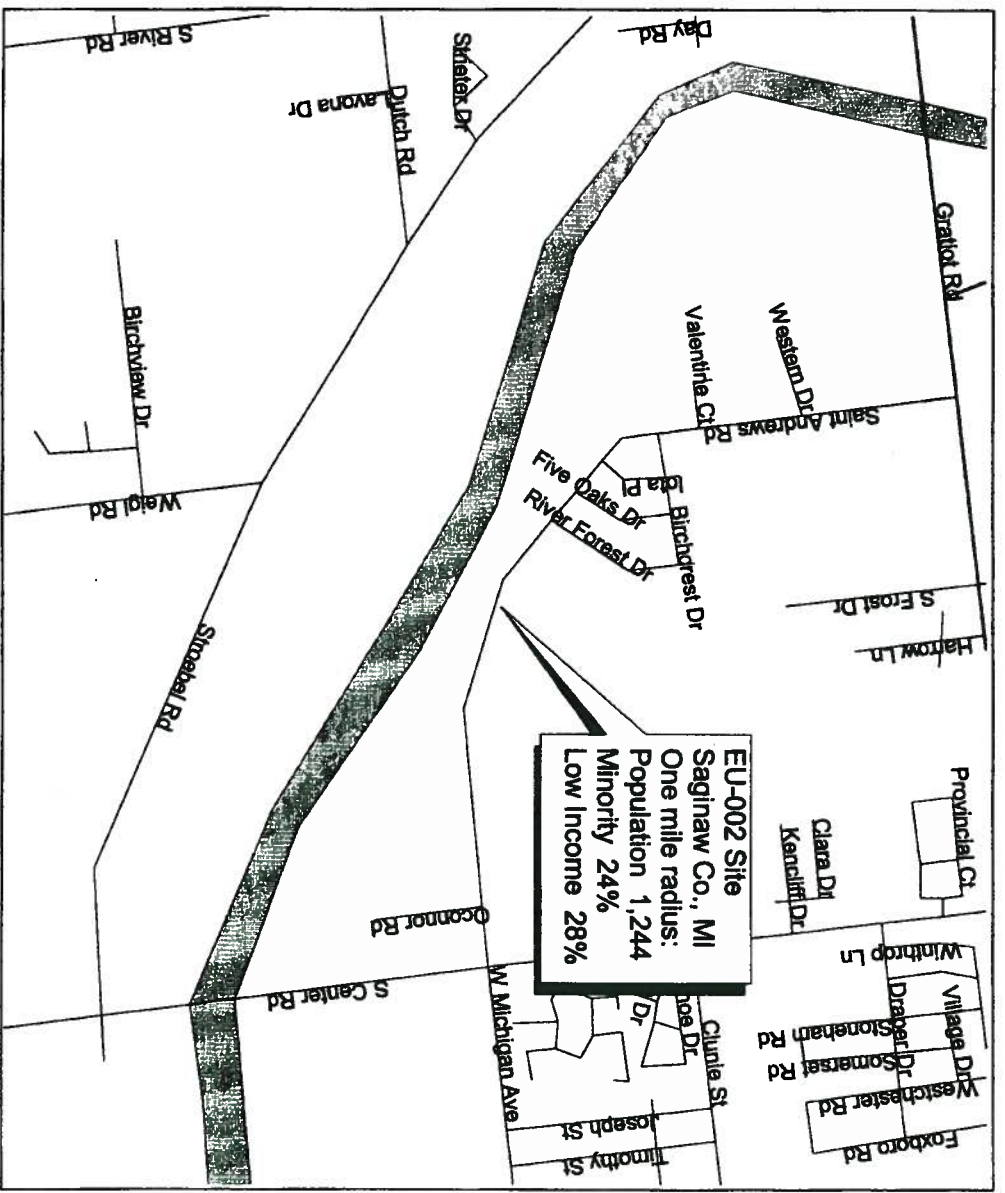
EJ Analysis

**West Michigan Park (Within Exposure Unit 002)
of the Tittabawassee River Dioxin Spill Site
Saginaw County, Michigan**

February 2009

Region 5 Superfund EJ Analysis

EU-002 Site Saginaw, MI



State of Michigan averages:
 Minority: 21%
 Low Income: 29%

U.S. EPA Region 5
 Environmental Justice Case Criteria
 for State of Michigan
 Minority: 42% or greater
 Low Income: 58% or greater

Date of Map: 8/3/08
 Source of Map: Census 2000 Database
 ArcView 3.0

ATTACHMENT 2**Administrative Record Index**

**West Michigan Park (Within Exposure Unit 002)
of the Tittabawassee River Dioxin Spill Site
Saginaw County, Michigan**

February 2009

**ORIGINAL
July 2, 2008**

NO	DATE	AUTHOR	RECIPIENT	SUBJECT	PAGES
1	06/03/04	MI Dept. of Community Health/ ATSDR	U.S. EPA	Petitioned Health Con- sultation: Dow Chemical Company Michigan Divi- sion Dioxin Contamination in Soil in Midland, Mid- land County, Michigan	17
2	11/02	MDEQ	File	Tittabawassee River Flood Plain Soil Sampling	167
3	03/30/07	MDEQ/ USACE	Dow Chemical Company/ Ann Arbor Technical Services, Inc.	Joint Permit Application to Remove Contaminated Deposits from the Tittaba- wassee River/SW Side of Saginaw Road, 1 Mile SE of Baily Bridge Road w/Attach- ments	27
4	06/03	State of Michigan	Public	Soil Movement Advisory for Private, Public, and Com- mercial Projects for the Tittabawassee River Furan and Dioxin Flood Plain Soil Soil and Sediment Contamina- tion	2
5	07/05	MDEQ	Public	Revised Supplemental Ad- visory: FAQs for Owners of Property Affected by Mi- grating Dioxin Contamina- tion	4
6	06/07/07	Guerriero, M., U.S. EPA	Bruchmann, G., MDEQ	Letter re: EPA Comments on the Revised RI Work Plans	2

Submitted by Dow Chemical Company on December 1, 2006 in Response to March and April Notices of Deficiency

7	10/14/04	MDEQ	MDEQ	MDEQ Analysis of Wild Game from the Tittabawassee River Flood Plain	2
8	07/04	Dow Chemical Company	MDEQ	Dow Chemical Wild Game Study – Deer Liver	1
9	07/04	Dow Chemical Company	MDEQ	Dow Chemical Wild Game Study – Deer Muscle	1
10	07/04	Dow Chemical Company	MDEQ	Dow Chemical Wild Game Study – Turkey	1
11	07/04	Dow Chemical Company	MDEQ	Dow Chemical Wild Game Study – Squirrel	1
12	03/04/02	U.S. Dept. of Health and Human Services/ ARSDR	U.S. EPA	Petitioned Health Consultation: Public Comment Release, Dioxin Contamination in Soil, Dow Chemical Company Michigan Division Midland Location, Midland County, Michigan	75
13	03/15/02	U.S. Dept. of Health and Human Services/ ARSDR	U.S. EPA	Petitioned Health Consultation: Public Comment Release, Dioxin Contamination in Soil in the Tittabawassee River Floodplain South of Midland, Michigan	79
14	04/02-03	MDEQ	U.S. EPA	Fish Sampling Data from Smiths Crossing Road at the Tittabawassee River April 6, 1995-April 2, 2003	16
15	05/18/04	Smith, H., State of Delaware	Van Dam, T., Dow Chemical Company	Restated Certificate of Incorporation of the Dow Chemical Company	10
16	06/00/03	MDEQ	U.S. EPA	Final Report – Phase II Tittabawassee/Saginaw River Dioxin Flood Plain Sampling Study	49
17	06/12/03	MDEQ	Dow Chemical	Hazardous Waste Management Facility Operating License	90

			Company	Amendment 3	
18	08/27/03	Dow Chemical Company	File	Dow Chemical Michigan Operations Compliance Activity Schedule (Duration in Work Days)	6
19	10/00/03	Galbraith Environmental Services, LLC	MDEQ	Tittabawassee River Aquatic Ecological Risk Assessment/Polychlorinated Dibenzo-P-Dioxins, Polychlorinated Dibenzofurans	63
20	10/00/03	Galbraith, H., Galbraith Environmental Sciences	MDEQ	Presentation Slides: Tittabawassee River Aquatic Ecological Risk Assessment-Results	58
21	10/21/03	Taylor, A., MDEQ	Carrington, S., Dow Chemical Company	Letter re: Work Scope for the Interim Response Activity of Evaluating Wild Game from the Tittabawassee River Floodplain for Human Consumption w/Attachment	5
22	10/23/03	Galbraith, H., Galbraith Environmental Sciences	Brouillet, A., MDEQ	Memorandum re: Ecological Impacts due to PCDD/PCDF Contamination Along Tittabawassee River	2
23	11/20/03	MDEQ	U.S. EPA	Figure: Tittabawassee and Saginaw Rivers, and Saginaw Bay Sediment and Floodplain Soil Data in ppt TEQ Figure 1 – WHO Mammalian	1
24	04/00/04	Galbraith Environmental Sciences, LLC	MDEQ	Tittabawassee River Floodplain Screening Level Ecological Risk Assessment PCD-P-Ds and PCDFs	57
25	04/14/04	Galbraith, H., Galbraith Environmental Sciences	Brouillet, A., S. Kaelber-Matlock, MDEQ	Memorandum re: Review of Recently Published Studies on Effects of Dioxin-like Contaminants on Tree Swallows and Mink	5
26	07/16/04	Galbraith, H., Galbraith Environmental Sciences	Brouillet, A., S. Kaelber-Matlock & B. Brouillet, MDEQ	Memorandum re: GES Comments on Entrix (2004) Wild Game Study Report	6
27	07/22/04	Galbraith, H., Galbraith Environmental Sciences	Brouillet, A., S. Kaelber-Matlock & B. Brouillet, MDEQ	Memorandum re: GES Analysis of Data in Entrix (2004) Wild Game Study Report	5

28	07/30/04	Clark, M., U.S. EPA	File	Health Risk Analysis of Tittabawassee Fish with Dioxin and Recommendations for Risk Evaluation	8
29	06/00/04	ENTRIX, Inc.	Dow Chemical Company	Evaluation of PCDDs and PCDFs in Wild Game Taken From the Floodplain Along the Tittabawassee River	425
30	07/00/04	Dow Chemical Company	U.S. EPA	A Preliminary Evaluation of Dioxins (Polychloro- dibenzodioxins and Poly- chlorodibenzofurans) in Wild Game Taken from the Floodplain Along the Tit- tabawassee River	14
31	02/28/05	Galbraith, H., Galbraith Environmental Sciences	Brouillet, A., B. Brouillet & S. Kaelber- Matlock, MDEQ	Memorandum re: Contamina- tion of the Tittabawassee River Watershed by Dioxins and Furans	9
32	03/22/05	Pepin, R., U.S. EPA	Clark, M., U.S. EPA	Memorandum re: Dioxin and Congener Levels in the Tittabawassee Water- shed w/Attachment	18
33	07/27/05	U.S. Dept. of Health and Human Services/ ARSDR	U.S. EPA	Health Consultation: Tittabawassee River Fish Consumption Health Con- sultation	41
34	02/09/06	MDEQ	U.S. EPA	Presentation Slides: MDEQ Dioxin Data Overview – Shiawassee and Saginaw River Watersheds	10
35	08/31/06	MDEQ	U.S. EPA	Final Report: Dioxin-Like Toxicity in the Saginaw Bay Watershed and PBDE Distribution in the Saginaw Bay Watershed	77
36	06/07/07	U.S. EPA	MDEQ	U.S. EPA Comments on Re- sponses to MDEQ's March 2 and April 13, 2006 Notices of Deficiency Submitted to MDEQ by Dow Chemical Company	44
37	12/01/06	Ann Arbor Technical Services	Dow Chemical Company	Remedial Investigation Work Plan for the Tit- tabawassee River and Upper Saginaw River Floodplain Soils Vol. 1	1233

38	12/01/06	Ann Arbor Technical Services	Dow Chemical Company	Remedial Investigation Work Plan for the Tittabawassee River and Upper Saginaw River Floodplain Soils Vol. 2	1810
39	12/20/06	Simon, P. & P. Simon, Ann Arbor Technical Services, Inc.	Taylor, A., MDEQ	Letter re: Pilot Corrective Actions at the Upper Tittabawassee River w/Attachments	
40	12/20/06	Sygo, J., MDEQ	Guerriero, M., U.S. EPA	Letter re: Dow Chemical Company Tittabawassee River Interim Response Activities and Pilot Corrective Action Plans	3
41	04/07	Michigan Dept. of Community Health	Public	2007 Michigan Family Fish Consumption Guide	31
42	02/01/07	Ann Arbor Technical Services	Dow Chemical Services	GeoMorph Pilot Site Characterization Report for the Upper Tittabawassee River and Floodplain Soils	1233
43	03/08/07	MDEQ	Dow Chemical Company	MDEQ Conditional Permit w/Attachment	14
44	05/31/06	Baker, B., Dow Company/ Ann Arbor Technical Services, Inc.	Bruchmann, G., MDEQ	Geomorph Sampling and Analysis Plan- Upper Tittabawassee River	114
45	4/13/98	U.S. EPA OSWER	U.S. EPA Regions 1 - 10	Directive 9200.4-26: Approach for Addressing Dioxin Soil at CERCLA and	6
46	4/18/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	Quality Assurance Project Plan for the Tittabawassee River Residential Floodplain Sampling	419
47	4/17/08	Weston Solutions,	U.S. EPA Region 5	SAP and Cover Sheet (EU002 Property A)	14

		Inc.	Emergency Response Branch		
48	4/17/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	SAP and Cover Sheet (EU002 Property B)	20
49	4/17/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	SAP and Cover Sheet (EU002 Properties C & D High-Use Area)	8
50	4/17/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	SAP and Cover Sheet (EU002 Properties C, D, F, & G Moderate-Use Area)	9
51	4/17/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	SAP and Cover Sheet (EU002 Properties D, E, & F High-Use Area)	8
52	4/17/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	SAP and Cover Sheet (EU002 Property J Moderate-Use Area)	8
53	4/17/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	SAP and Cover Sheet (EU002 Properties J & K High-Use Area)	8
54	5/30/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	Level IV data packages for EU002 SDGs 1072196, 1072198, 1072200, & 1072204	1746
55	6/02/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	Level IV data package for EU002 SDG 1072207	409
56	6/04/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	Level IV data package for EU002 SDG 1072438	380

Response
Branch

57	6/09/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	Level IV data package for EU002 SDGs 1072439, 1072589, 1072590 & G8D180411	2700
58	6/10/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	Level IV data package for EU002 SDG G8E03177	1012
59	6/12/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	Level IV data package for EU002 SDG G8D230362	1758
60	6/18/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	Level IV data package for EU002 SDG 1072591	364
61	6/19/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	Level IV data packages for EU002 SDGs G8E030179, G8E030178, G8D300294, G8D300287, & G8D300312	7389
62	7/16/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	Level IV data package for EU002 SDG G8D230371 Reissue	2031
63	6/04/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	Data validation report for EU002 SDG TA G8D180411	43
64	6/11/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	Data validation reports for EU002 SDGs Pace 1072200 & Pace 1072196	48
65	6/12/08	Weston Solutions,	U.S. EPA Region 5	Data validation reports for EU002 SDGs TA G8D230362	57

		Inc.	Emergency	& TA G8E030178	
66	6/13/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency	Data validation report for EU002 SDG Pace 10722007	23
67	6/18/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	Data validation reports for EU002 SDGs Pace 1072198, TA G8E030179, Pace 1072204, & G8D300294	127
68	6/19/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency	Data validation reports for EU002 SDGs TA G8D300312, & TA G8D300287	63
69	6/25/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency	Data validation report for EU002 SDG TA G8E030177	14
70	6/27/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency	Data validation reports for EU002 SDGs TA G8D230371, Pace 1072590, Pace 1072438, Pace 1072439, & Pace 1072589	110
71	7/01/08	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency	Data validation report for EU002 SDG Pace 1072591	24
72	5/22/08	D. Mackenzie-Taylor MDEQ	U.S. EPA Region 5 Emergency Response Branch	Preliminary congener profiles, presented at data summit on 5/22/08	1
73	12/96	U.S. EPA, OSWER	U.S. EPA, Regions 1-10	Directive 9200.4-19: Headquarters Consultation for Dioxin Sites	2
74	3/3/89	U.S. EPA, OSWER	U.S. EPA, Regions 1-10	Directive 9360.0-10: Guidance on Non-NPL Removal Actions Involving Nationally Significant or Precedent-Setting Issues	9
75	12/13/07	Bodine, S., U.S. EPA	Gade, M., U.S. EPA	Concurrence and Consultation Requirements for Superfund Removal Actions at Non-National Priority List Sites and for Nationally Significant or Precedent Setting Responses and Sites Involving Dioxin	
76	07/07/06	Baker, B., Dow Company/ Ann Arbor Technical Services, Inc.	Bruchmann, G., MDEQ	Geo Morph Sampling and Analysis Plan- Upper Tittabawassee River (Revised)	114

77	9/17/07	Ann Arbor Technical Services	Dow Chemical Company	Remedial Investigation Work Plan for the Tittabawassee River and Upper Saginaw River Floodplain Soils Vol. 1 (Revised)	454
78	12/01/06	Ann Arbor Technical Services	Dow Chemical Company	Remedial Investigation Work Plan for the Tittabawassee River and Upper Saginaw River Floodplain Soils Vol. 2	790
79	10/2007	Baker, B., Dow Company/ Ann Arbor Technical Services, Inc.	Bruchmann, G., MDEQ	Midland Area Soils Remedial Investigation Work Plan	204
80	10/15/07	Baker, B., Dow Company/ Ann Arbor Technical Services, Inc.	Bruchmann, G., MDEQ	Direct Contact Criteria Report for Midland Soils	124
81	06/12/06	Exponent	Dow Chemical Company	Pilot Study Report: Oral Bioavailability of Dioxins/ Furans in Midland and Tittabawassee River Floodplain Soils	152
82	04/2005	U.S.EPA	Public	Study of Dioxin and Other Toxic Pollutants –Midland, Michigan	11
83	03/1987	Dow Chemical Company	U.S. EPA, Region 5	Dow Chemical Building 703 Incinerator Exhaust and Ambient Air Study	322
84	07/1986	Dow Chemical Company	U.S. EPA, Region 5	Dow Chemical Waste- water Characterization Study- Tittabawassee River Sediments and Native Fish	132
85	04/1988	Dow Chemical Company	U.S. EPA, Region 5	Final Risk Assessment for Dioxin Contamination at Midland, Michigan	230
86	03/1988	Dow Chemical Company	U.S. EPA, Region 5	Risk Management Recommendations for Dioxin Contamination at Midland, Michigan	88
87	03/1987	Dow Chemical Company	U.S. EPA, Region 5	Dow Chemical Building 703 Incinerator Exhaust and Ambient Air Study	322

88	9/19/07	Dow Chemical Company	U.S. EPA, Region 5	Geo Morph Data	
89	08/2008	The University of Michigan	Public	Measuring People's Exposure to Dioxin Contamination Along the Tittabawassee River And Surrounding Areas (aka University of Michigan Dioxin Exposure Study ("UMDES"))	110
90	11/5/84	Dow Chemical Company	File	Point Sources and Environmental Levels of 2378-TCDD (2,3,7,8-Tetrachlorobenzo-P-Dioxin) on the Midland Plant Site of the Dow Chemical Company and the City of Midland, Michigan	110
91	08/08/78	F.Kover., U.S.EPA	J.Merenda., U.S.EPA	Re: Interim Status Report 8EHQ -0778-0209	9
92	07/1981	U.S.EPA	Public	A Report on Polychlorinated Dibenzon-P-Dioxin (PCDDs) and Polychlorinated-O_ Benzo Furan (PCDFs): A Summary of Studies Conducted in the Great Lakes Area	30
93	10/24/80	R.Bumb., et al., Science Magazine	Public	Trace Studies of Fire: a Source of Chlorinate Dioxins	4
94	08/29/02	MDEQ	Public	Baseline Chemical Characterization of Saginaw Bay Watershed Sediments	163
95	11/01/07	U.S. Dept. of Health and Human Services/ ATSDR	U.S. EPA	Health Consultation: A Pilot Exposure Investigation: Dioxin Exposure in Adults Living in the Tittabawassee River Flood Plain	41
96	04/2004	MDEQ	Public	Baseline Chemical Characterization of Saginaw Bay Watershed Sediments	163
97	03/2006	U.S. Dept. of Health and Human Services/ ATSDR	Public	ToxFAQs: CAB™ Chemical Agent Briefing Sheet: Dioxins	8
98	02/1999	U.S. Dept. of Health and Human Services/	Public	ToxFAQs: for Sheet: Dioxins	8

ATSDR

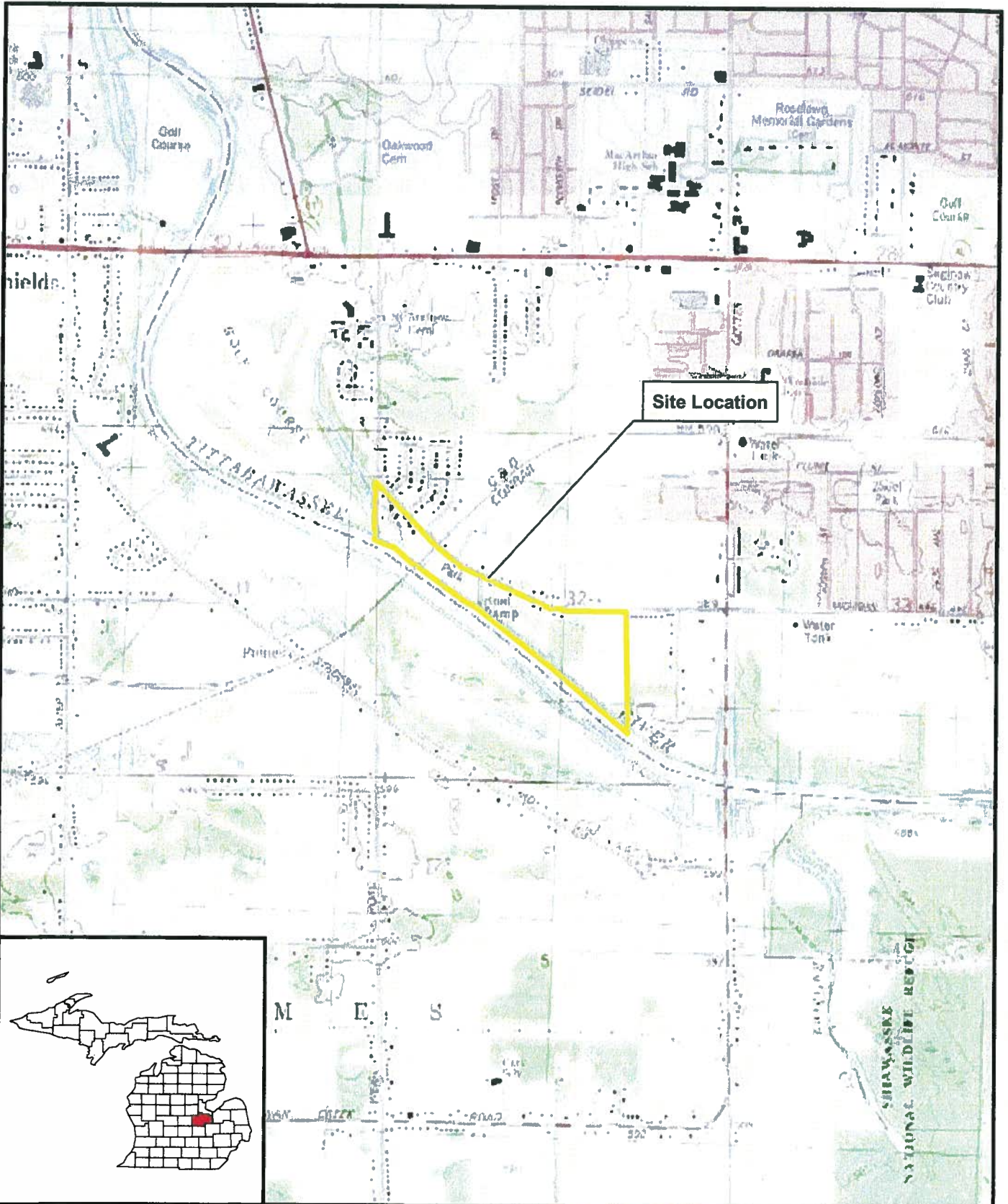
99	02/1999	U.S. Dept. of Health and Human Services/ ATSDR	Public	Toxicological Profile for Chlorinated Dibenzo-p-Dioxins	723
100	5/15/08	L. Dykema, MDCH	Public	Memo: Wild Game Advisories for for the Tittabawassee and Saginaw River Flood Plains	20
101	1/23/09	B.Schlieger, U.S. EPA, Region 5 Emergency Response Branch	A. Taylor, MDEQ	Letter: Request for Site Specific State ARARs	2
102	1/26/09	Weston Solutions, Inc.	U.S. EPA Region 5 Emergency Response Branch	Site Assessment Report for Tittabawassee River Residential Floodplain Sampling West Michigan Park Neighborhood Exposure Unit 002 Saginaw County, MI	51
103	1/29/09	E-mail: C. Flaga Toxicology Unit, MDEQ/ATSDR/ USEPA	U.S. EPA Region 5 Emergency Response Branch	Determination of West Michigan Park as Residential Exposure	3
104	2/24/09	D. Mackenzie-Taylor, MDEQ	U.S. EPA Region 5 Emergency Response Branch	Soil Congener Distribution	37
105	2/26/09	G. Bruchmann, MDEQ	B.Schlieger U.S. EPA Region 5 Emergency Response Branch	Letter Re: Request for Site Specific State ARARs	4

ATTACHMENT 4

EU002 Tables

**West Michigan Park (Within Exposure Unit 002)
of the Tittabawassee River Dioxin Spill Site
Saginaw County, Michigan**


February 2009



Site Location



Legend

 EU002 Boundary

0 2,000
 Feet



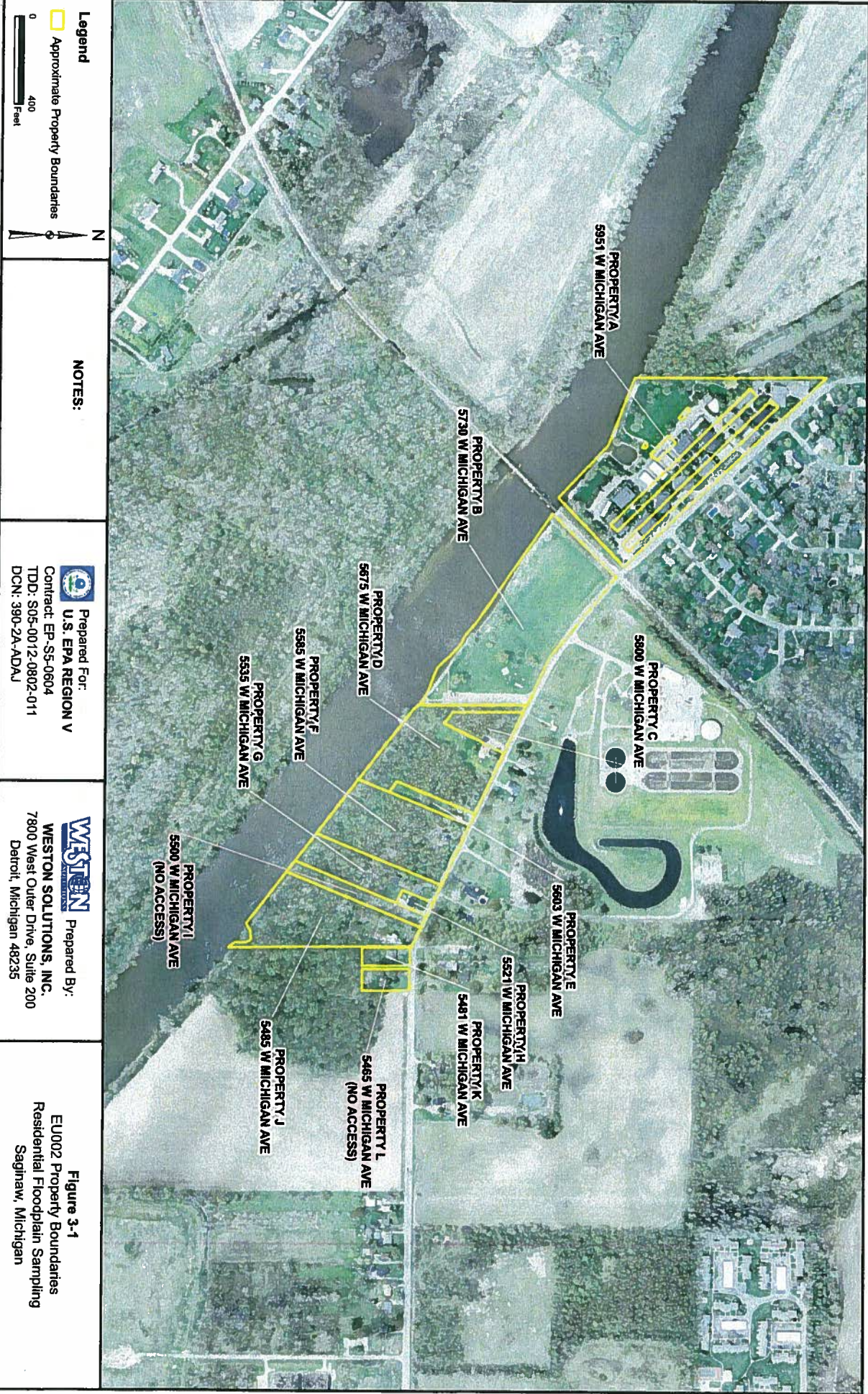
Prepared for:
USEPA REGION V

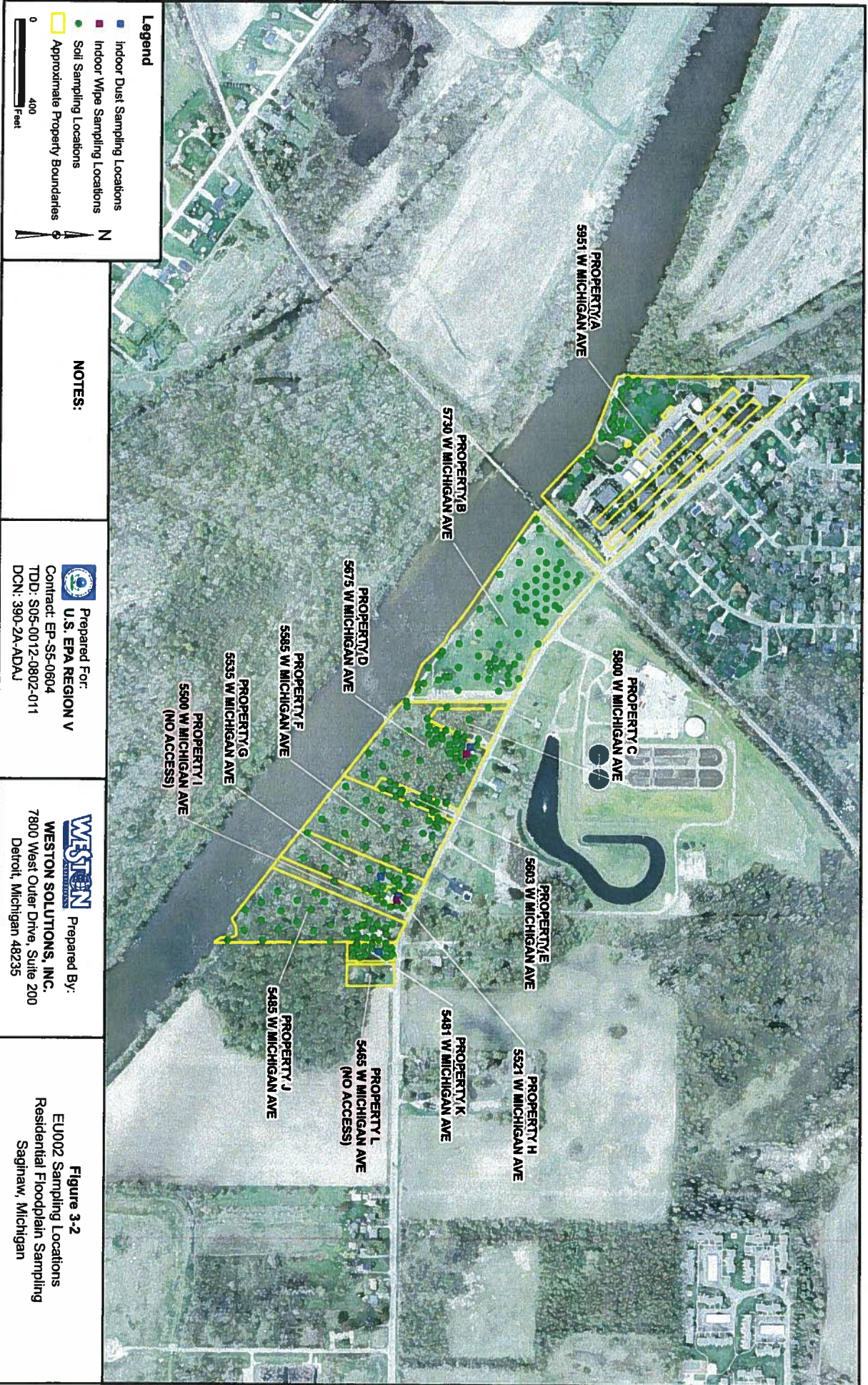
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TDD: S05-0012-0802-011
DCN: 390-2A-ADAJ

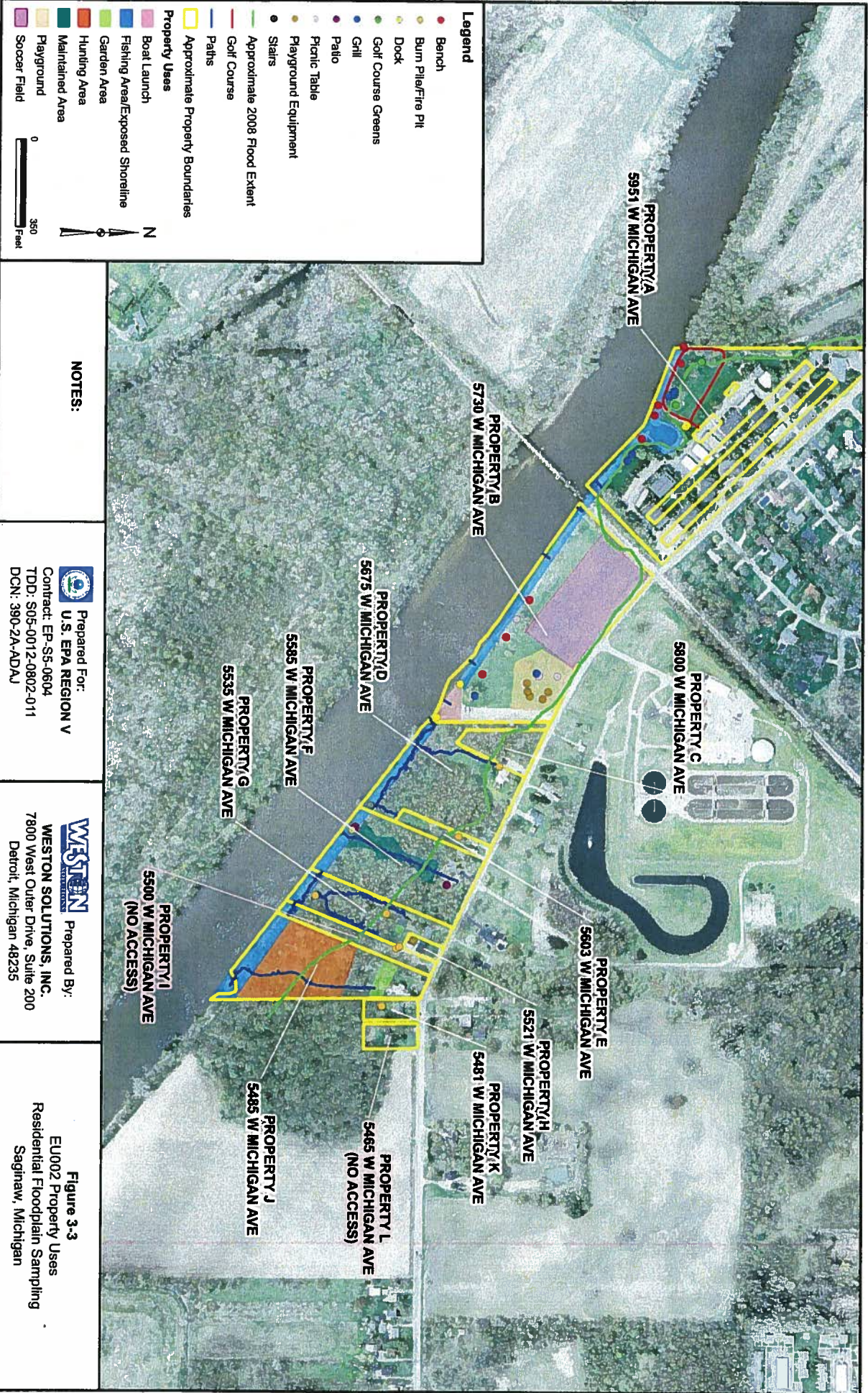


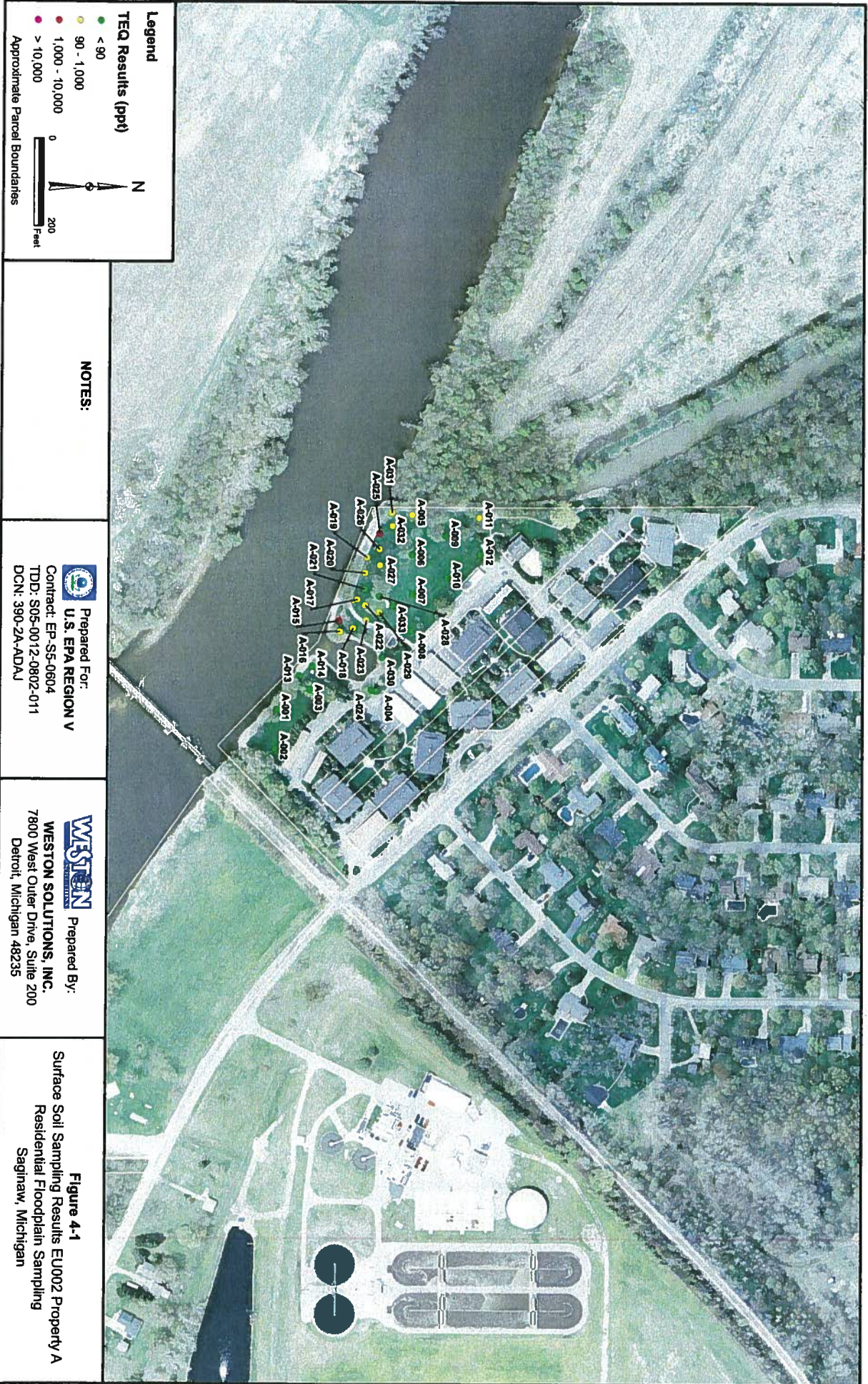
Prepared By:
WESTON SOLUTIONS, INC
7800 W. Outer Dr, Suite 200
Detroit, Michigan 48235

Figure 2-1
Site Location Map - EU002
Residential Floodplain Sampling
Saginaw, Michigan









Legend

TEQ Results (ppt)

- < 90
- 90 - 1,000
- 1,000 - 10,000
- > 10,000

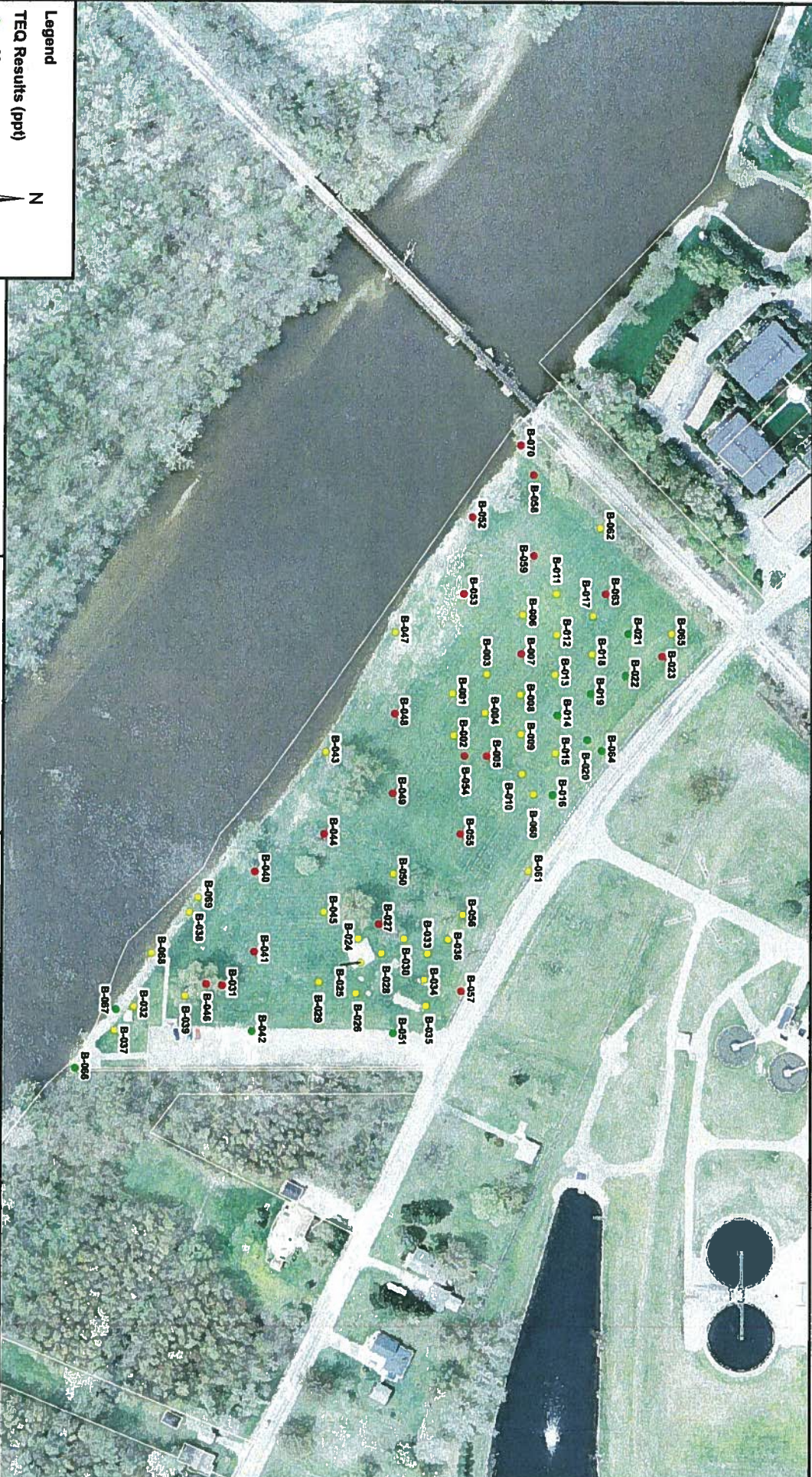
Approximate Parcel Boundaries

NOTES:

Prepared For:
 U.S. EPA REGION V
 Contract: EP-S5-0604
 TDD: S05-0012-0802-011
 DCN: 390-2A-ADAJ

Prepared By:
 WESTON SOLUTIONS, INC.
 7800 West Outer Drive, Suite 200
 Detroit, Michigan 48235

Figure 4-2
 Surface Soil Sampling Results EU002 Property B
 Residential Floodplain Sampling
 Saginaw, Michigan



Legend

TEQ Results (ppt)

- < 90
- 90 - 1,000
- 1,000 - 10,000
- > 10,000

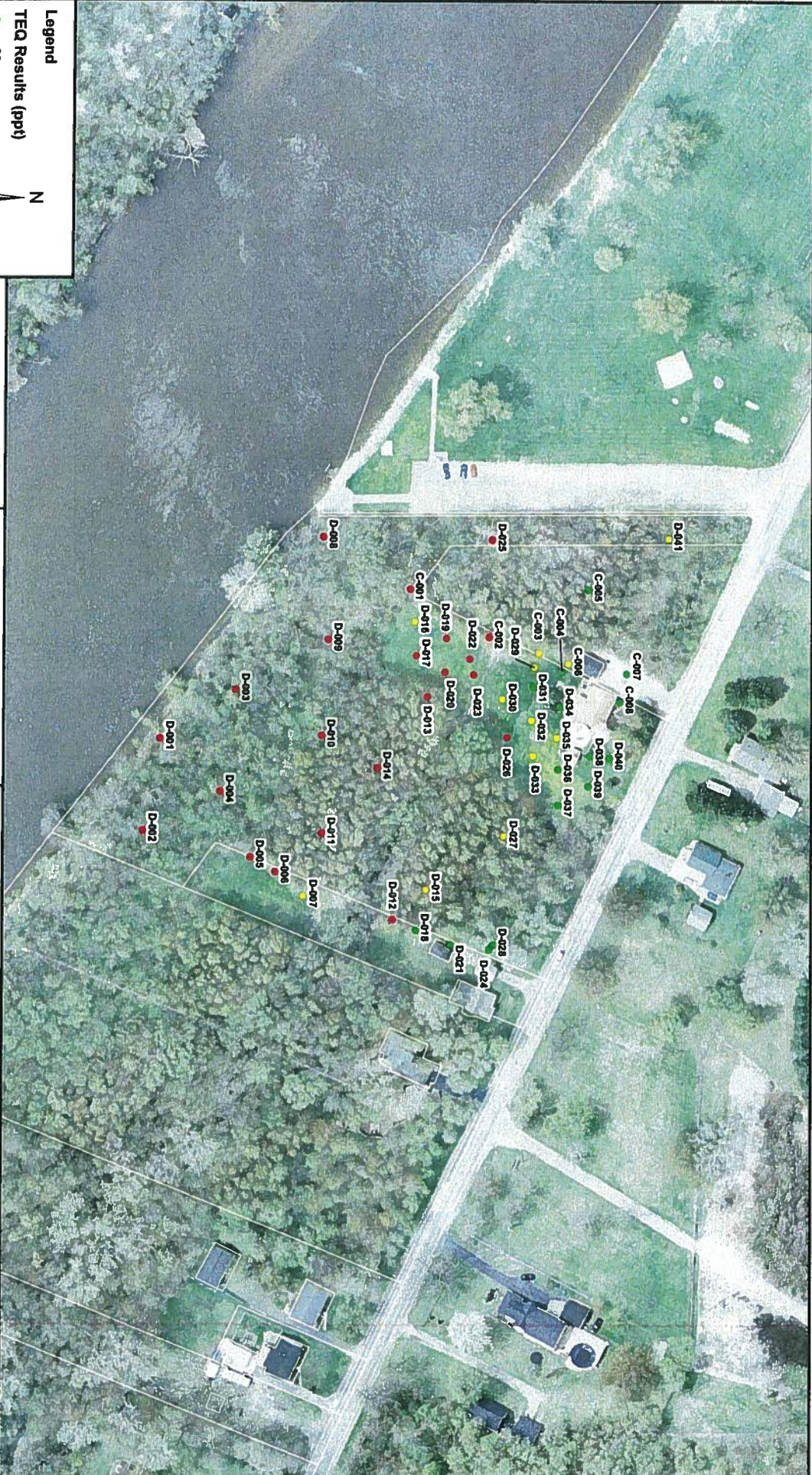
Approximate Parcel Boundaries

NOTES:

Prepared For:
 U.S. EPA REGION V
 Contract: EP-S5-0604
 TDD: S05-0012-0802-011
 DCN: 390-2A-ADAJ

Prepared By:
 WESTON SOLUTIONS, INC.
 7800 West Outer Drive, Suite 200
 Detroit, Michigan 48235

Figure 4-3
 Surface Soil Sampling Results EU002 Property C and D
 Residential Floodplain Sampling
 Saginaw, Michigan





Legend

TEQ Results (ppt)

- < 90
- 90 - 1,000
- 1,000 - 10,000
- > 10,000

Approximate Parcel Boundaries

0 100 Feet

N

NOTES:

Prepared For:
U.S. EPA REGION V
 Contract: EP-S5-0604
 TDD: S05-0012-0802-011
 DCN: 390-2A-ADAJ

Prepared By:
WESTON SOLUTIONS, INC.
 7800 West Outer Drive, Suite 200
 Detroit, Michigan 48235

Figure 4-4
 Surface Soil Sampling Results EU002 Property E and F
 Residential Floodplain Sampling
 Saginaw, Michigan



Legend

TEQ Results (ppt)

- < 90
- 90 - 1,000
- 1,000 - 10,000
- > 10,000

Approximate Parcel Boundaries

0 100 Feet

NOTES:

Prepared For:
U.S. EPA REGION V
 Contract: EP-S5-0604
 TDD: S05-0012-0802-011
 DCN: 390-2A-ADAJ

Prepared By:
WESTON SOLUTIONS, INC.
 7800 West Outer Drive, Suite 200
 Detroit, Michigan 48235

Figure 4-5
 Surface Soil Sampling Results EU002 Property G and H
 Residential Floodplain Sampling
 Saginaw, Michigan

Legend

TEQ Results (ppt)

- < 90
- 90 - 1,000
- 1,000 - 10,000
- > 10,000

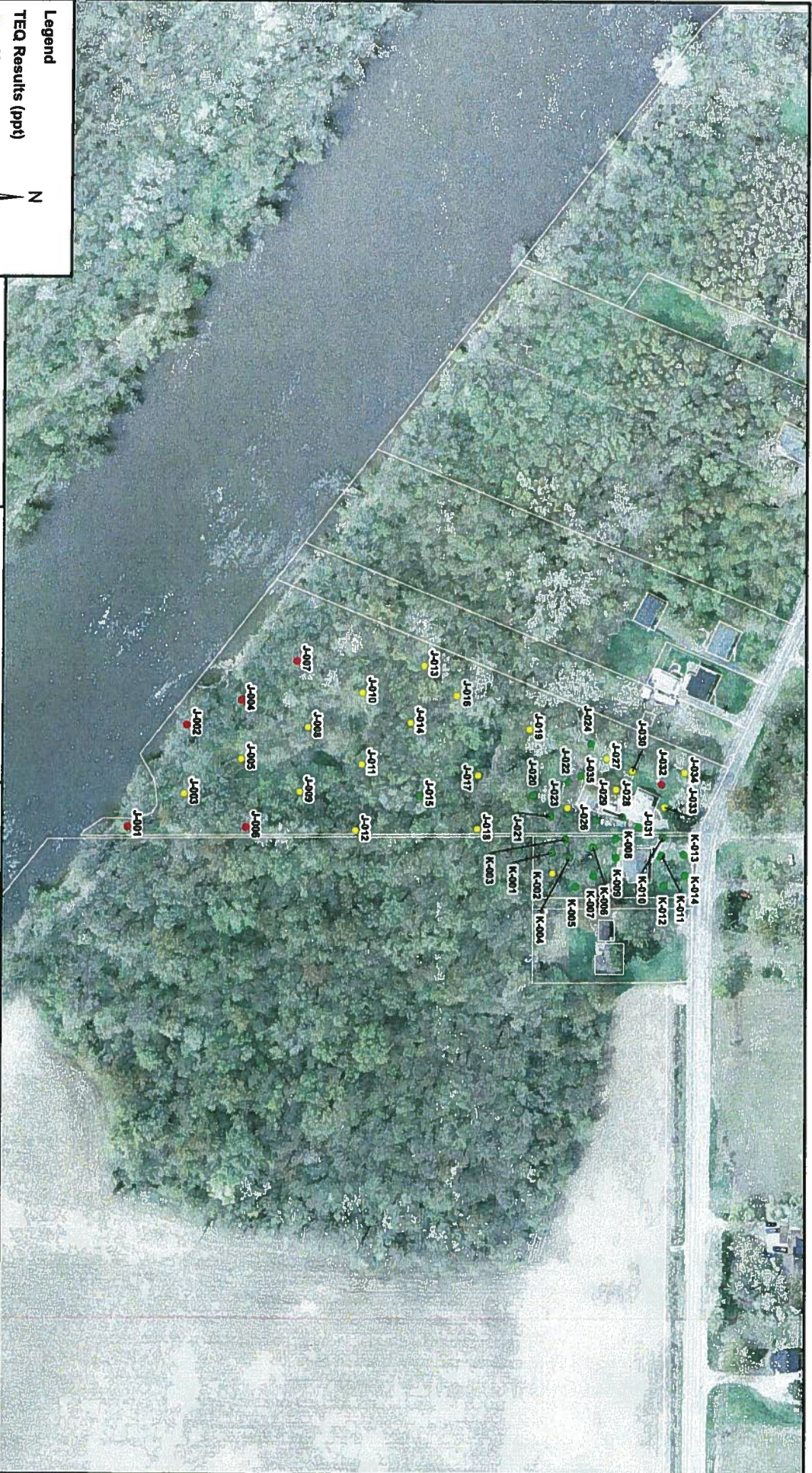
Approximate Parcel Boundaries

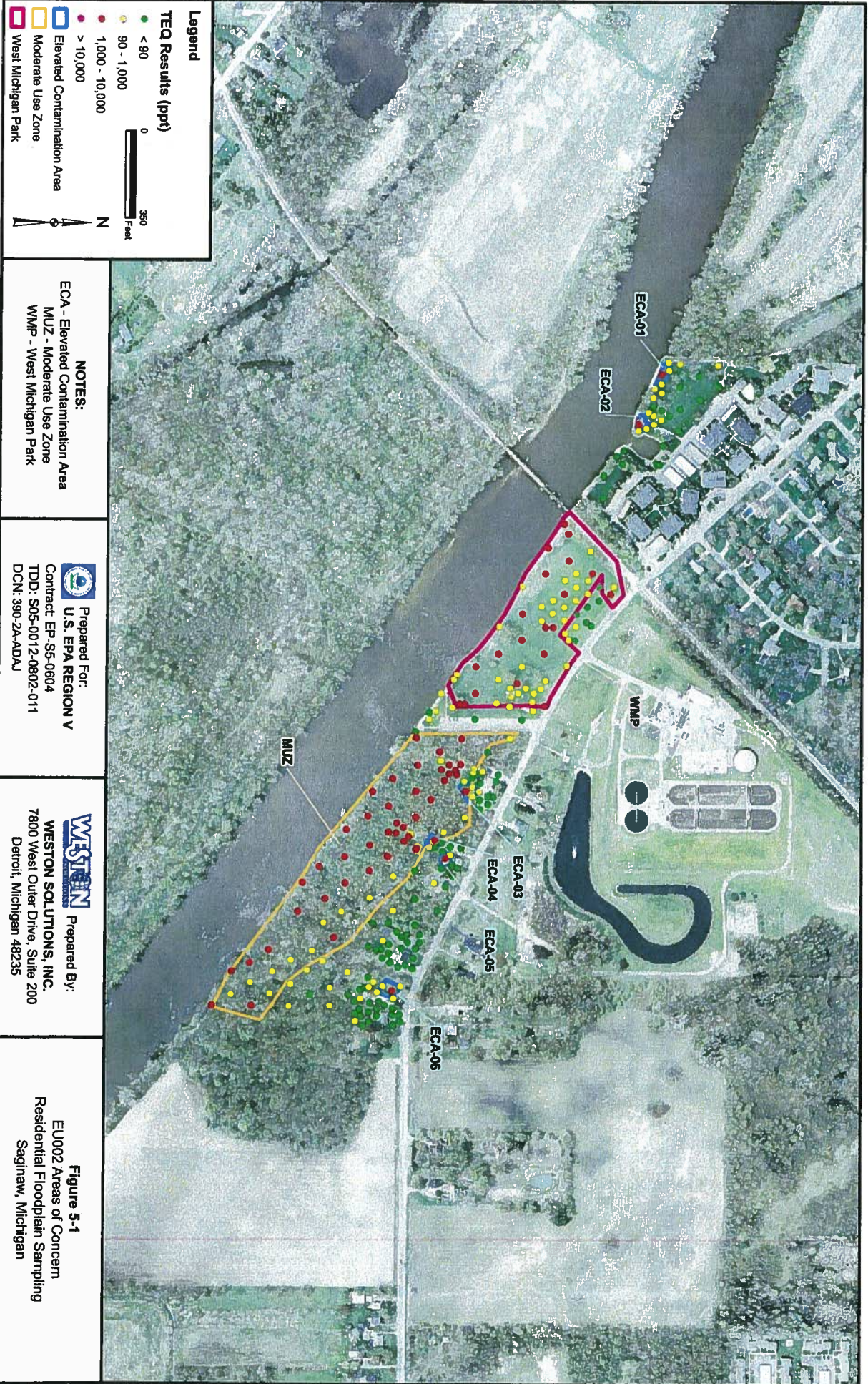
NOTES:

Prepared For:
U.S. EPA REGION V
 Contract: EP-S5-0604
 TDD: S05-0012-0802-011
 DCN: 390-2A-ADAJ

Prepared By:
WESTON SOLUTIONS, INC.
 7800 West Outer Drive, Suite 200
 Detroit, Michigan 48235

Figure 4-6
 Surface Soil Sampling Results EU002 Property J and K
 Residential Floodplain Sampling
 Saginaw, Michigan





ATTACHMENT 4

EU002 Tables

**West Michigan Park (Within Exposure Unit 002)
of the Tittabawassee River Dioxin Spill Site
Saginaw County, Michigan**

February 2009

Table 3-1
 EU002 Property Information
 Residential Floodplain Sampling

Property Address	Property ID	Access Granted (Y/N)
5951 West Michigan	A	Y
5730 West Michigan	B	Y
5800 West Michigan	C	Y
5675 West Michigan	D	Y
5603 West Michigan	E	Y
5585 West Michigan	F	Y
5535 West Michigan	G	Y
5521 West Michigan	H	Y
5500 West Michigan	I	N
5485 West Michigan	J	Y
5481 West Michigan	K	Y
5465 West Michigan	L	N

Notes:

ID = Identification

N = No

Y = Yes

Table 4-1
Surface Soil Sampling Results EU002 Property A
Residential Floodplain Sampling

Field Sample ID	Latitude	Longitude	TEQ (ppt)	
FPS-EU002-A-001-01-042108	43.403177	-84.032858	6	
FPS-EU002-A-002-01-042108	43.403167	-84.032515	6	
FPS-EU002-A-002-01-042108D	43.403167	-84.032515	4	
FPS-EU002-A-003-01-042108	43.403387	-84.033030	3	
FPS-EU002-A-004-01-042108	43.403801	-84.033022	5	
FPS-EU002-A-005-01-042108	43.404031	-84.034555	310	
FPS-EU002-A-006-01-042108	43.404031	-84.034213	31	
FPS-EU002-A-007-01-042108	43.404033	-84.033873	4	M
FPS-EU002-A-008-01-042108	43.404020	-84.033544	5	
FPS-EU002-A-009-01-042108	43.404244	-84.034377	43	
FPS-EU002-A-010-01-042108	43.404253	-84.034011	18	
FPS-EU002-A-011-01-042108	43.404457	-84.034535	260	
FPS-EU002-A-012-01-042108	43.404462	-84.034213	26	
FPS-EU002-A-013-01-042108	43.403319	-84.033154	21	
FPS-EU002-A-014-01-042108	43.403402	-84.033238	15	
FPS-EU002-A-015-01-042108	43.403570	-84.033637	2,000	
FPS-EU002-A-015-01-042108D	43.403570	-84.033637	1,800	
FPS-EU002-A-016-01-042108	43.403576	-84.033546	150	
FPS-EU002-A-017-01-042108	43.403686	-84.033824	360	
FPS-EU002-A-018-01-042108	43.403659	-84.033575	320	
FPS-EU002-A-019-01-042108	43.403747	-84.034187	350	
FPS-EU002-A-020-01-042108	43.403736	-84.034052	450	
FPS-EU002-A-021-01-042108	43.403732	-84.033912	76	
FPS-EU002-A-022-01-042108	43.403734	-84.033773	100	
FPS-EU002-A-023-01-042108	43.403743	-84.033641	760	
FPS-EU002-A-024-01-042108	43.403773	-84.033028	6	
FPS-EU002-A-025-01-042108	43.403827	-84.034396	1,100	
FPS-EU002-A-026-01-042108	43.403826	-84.034258	310	
FPS-EU002-A-027-01-042108	43.403830	-84.034119	680	
FPS-EU002-A-027-01-042108D	43.403830	-84.034119	690	
FPS-EU002-A-028-01-042108	43.403826	-84.033849	15	M
FPS-EU002-A-029-01-042108	43.403823	-84.033711	240	
FPS-EU002-A-030-01-042208	43.403841	-84.033314	64	
FPS-EU002-A-031-01-042108	43.403906	-84.034577	340	
FPS-EU002-A-032-01-042108	43.403910	-84.034457	450	
FPS-EU002-A-033-01-042108	43.403912	-84.033771	8	M
FPS-EU002-A-034-01-042208	43.403457	-84.033290	180	
Property A MIN			2.9	
Property A MAX			2,000	
Property A AVG			303	

Notes:

- Bold values exceed ATSDR TEQ criterion of 1,000 ppt.
- ATSDR = Agency for Toxic Substances and Disease Registry
- AVG = Average value
- ID = Identification
- M = TEQ has been manually recalculated
- MAX = Maximum value
- MIN = Minimum value
- ppt = Part per trillion
- TEQ = Toxicity equivalent

Table 4-2
 Surface Soil Sampling Results EU002 Property B
 Residential Floodplain Sampling

Field Sample ID	Latitude	Longitude	TEQ (ppt)	
FPS-EU002-B-001-01-042208	43.402481	-84.030857	650	
FPS-EU002-B-002-01-042208	43.402484	-84.030642	770	
FPS-EU002-B-002-01-042208D	43.402484	-84.030642	830	
FPS-EU002-B-003-01-042208	43.402608	-84.030955	640	
FPS-EU002-B-004-01-042208	43.402600	-84.030758	610	
FPS-EU002-B-005-01-042208	43.402607	-84.030539	1,400	
FPS-EU002-B-006-01-042208	43.402742	-84.031259	290	
FPS-EU002-B-007-01-042208	43.402734	-84.031060	1,000	
FPS-EU002-B-008-01-042208	43.402732	-84.030852	860	
FPS-EU002-B-009-01-042208	43.402734	-84.030650	140	
FPS-EU002-B-010-01-042208	43.402737	-84.030447	120	
FPS-EU002-B-011-01-042208	43.402865	-84.031364	350	
FPS-EU002-B-012-01-042208	43.402867	-84.031155	850	
FPS-EU002-B-013-01-042208	43.402860	-84.030954	710	
FPS-EU002-B-014-01-042208	43.402868	-84.030746	87	
FPS-EU002-B-015-01-042208	43.402862	-84.030553	160	
FPS-EU002-B-016-01-042208	43.402851	-84.030338	23	
FPS-EU002-B-016-01-042208D	43.402851	-84.030338	20	M
FPS-EU002-B-017-01-042208	43.403001	-84.031253	380	
FPS-EU002-B-018-01-042208	43.402998	-84.031057	110	
FPS-EU002-B-019-01-042208	43.402991	-84.030856	54	
FPS-EU002-B-020-01-042208	43.402980	-84.030619	66	
FPS-EU002-B-021-01-042208	43.403132	-84.031161	62	
FPS-EU002-B-022-01-042208	43.403120	-84.030948	26	M
FPS-EU002-B-023-01-042208	43.403257	-84.031048	3,500	
FPS-EU002-B-024-01-042308	43.402131	-84.029606	170	
FPS-EU002-B-025-01-042308	43.402137	-84.029485	110	
FPS-EU002-B-026-01-042308	43.402123	-84.029329	180	
FPS-EU002-B-027-01-042308	43.402205	-84.029681	920	
FPS-EU002-B-027-01-042308D	43.402205	-84.029681	1,200	
FPS-EU002-B-028-01-042308	43.402216	-84.029531	200	
FPS-EU002-B-029-01-042308	43.401984	-84.029384	480	
FPS-EU002-B-030-01-042308	43.402300	-84.029605	700	
FPS-EU002-B-031-01-042308	43.401629	-84.029367	2,900	
FPS-EU002-B-032-01-042308	43.401304	-84.029260	440	
FPS-EU002-B-033-01-042308	43.402388	-84.029531	190	
FPS-EU002-B-034-01-042308	43.402375	-84.029399	620	
FPS-EU002-B-035-01-042308	43.402381	-84.029266	170	
FPS-EU002-B-036-01-042308	43.402463	-84.029602	590	
FPS-EU002-B-037-01-042308	43.401231	-84.029140	600	
FPS-EU002-B-038-01-042308	43.401508	-84.029742	810	
FPS-EU002-B-038-01-042308D	43.401508	-84.029742	140	
FPS-EU002-B-039-01-042308	43.401493	-84.029316	870	
FPS-EU002-B-040-01-042308	43.401748	-84.029949	1,200	
FPS-EU002-B-041-01-042308	43.401746	-84.029540	2,200	
FPS-EU002-B-042-01-042308	43.401738	-84.029136	18	
FPS-EU002-B-043-01-042308	43.402010	-84.030559	330	
FPS-EU002-B-044-01-042308	43.402003	-84.030140	1,400	
FPS-EU002-B-045-01-042308	43.402003	-84.029743	510	
FPS-EU002-B-045-01-042308D	43.402003	-84.029743	240	

Table 4-2
Surface Soil Sampling Results EU002 Property B
Residential Floodplain Sampling

Field Sample ID	Latitude	Longitude	TEQ (ppt)	
FPS-EU002-B-046-01-042308	43.401571	-84.029374	1,600	
FPS-EU002-B-047-01-042208	43.402268	-84.031169	324	M
FPS-EU002-B-048-01-042208	43.402265	-84.030753	1,652	M
FPS-EU002-B-049-01-042308	43.402257	-84.030348	3,021	M
FPS-EU002-B-050-01-042308	43.402261	-84.029937	548	M
FPS-EU002-B-051-01-042308	43.402258	-84.029124	20	M
FPS-EU002-B-052-01-042208	43.402554	-84.031756	1,222	M
FPS-EU002-B-053-01-042208	43.402523	-84.031365	2,533	M
FPS-EU002-B-054-01-042208	43.402525	-84.030539	717	M
FPS-EU002-B-054-01-042208D	43.402525	-84.030539	1,500	
FPS-EU002-B-055-01-042308	43.402509	-84.030140	1,388	M
FPS-EU002-B-056-01-042308	43.402517	-84.029727	878	M
FPS-EU002-B-057-01-042308	43.402512	-84.029339	1,951	M
FPS-EU002-B-058-01-042208	43.402782	-84.031968	1,540	M
FPS-EU002-B-059-01-042208	43.402784	-84.031559	2,364	M
FPS-EU002-B-060-01-042208	43.402780	-84.030343	207	M
FPS-EU002-B-061-01-042408	43.402762	-84.029951	163	M
FPS-EU002-B-062-01-042208	43.403028	-84.031701	340	
FPS-EU002-B-063-01-042308	43.403048	-84.031363	2,500	
FPS-EU002-B-064-01-042308	43.403033	-84.030564	6	
FPS-EU002-B-065-01-042308	43.403293	-84.031161	510	
FPS-EU002-B-065-01-042308D	43.403293	-84.031161	350	
FPS-EU002-B-066-01-042408	43.401086	-84.028947	65	
FPS-EU002-B-067-01-042408	43.401237	-84.029244	20	
FPS-EU002-B-068-01-042408	43.401370	-84.029532	620	
FPS-EU002-B-069-01-042408	43.401541	-84.029816	94	
FPS-EU002-B-070-01-042408	43.402735	-84.032121	1,100	
FPS-EU002-B-071-01-042308	NA	NA	390	*
Property B MIN			6.3	
Property B MAX			3,500	
Property B AVG			755	

Notes:

Bold values exceed ATSDR TEQ criterion of 1,000 ppt.

* = Performance evaluation sample, result not included in average

ATSDR = Agency for Toxic Substances and Disease Registry

AVG = Average value

ID = Identification

M = TEQ has been manually recalculated

MAX = Maximum value

MIN = Minimum value

NA = Not available

ppt = Part per trillion

TEQ = Toxicity equivalent

Table 4-3
 Surface Soil Sampling Results EU002 Property C and D
 Residential Floodplain Sampling

Field Sample ID	Latitude	Longitude	TEQ (ppt)	
FPS-EU002-C-001-01-042408	43.401353	-84.028636	3,700	
FPS-EU002-C-002-01-042408	43.401585	-84.028442	1,800	
FPS-EU002-C-002-01-042408D	43.401585	-84.028442	2,400	
FPS-EU002-C-003-01-042508	43.401732	-84.028376	242	M
FPS-EU002-C-004-01-042508	43.401800	-84.028301	23	M
FPS-EU002-C-005-01-042408	43.401880	-84.028633	39	M
FPS-EU002-C-006-01-042508	43.401821	-84.028332	530	
FPS-EU002-C-007-01-042508	43.401996	-84.028289	4	M
FPS-EU002-C-007-01-042508D	43.401996	-84.028289	2	M
FPS-EU002-C-008-01-042508	43.401974	-84.028177	9	
Property C MIN			2	
Property C MAX			3,700	
Property C AVG			875	
FPS-EU002-D-001-01-042408	43.400612	-84.028028	3,600	
FPS-EU002-D-002-01-042408	43.400561	-84.027653	2,984	
FPS-EU002-D-003-01-042408	43.400835	-84.028227	4,900	M
FPS-EU002-D-003-01-042408D	43.400835	-84.028227	5,900	
FPS-EU002-D-004-01-042408	43.400788	-84.027812	2,600	
FPS-EU002-D-005-01-042408	43.400878	-84.027543	1,500	
FPS-EU002-D-006-01-042408	43.400950	-84.027482	2,200	
FPS-EU002-D-007-01-042408	43.401034	-84.027384	580	
FPS-EU002-D-008-01-042408	43.401095	-84.028849	2,000	
FPS-EU002-D-009-01-042408	43.401109	-84.028431	2,400	
FPS-EU002-D-010-01-042408	43.401089	-84.028039	5,500	
FPS-EU002-D-011-01-042408	43.401090	-84.027640	2,054	
FPS-EU002-D-012-01-042408	43.401298	-84.027289	2,390	M
FPS-EU002-D-013-01-042408	43.401404	-84.028198	1,900	M
FPS-EU002-D-014-01-042508	43.401254	-84.027907	1,700	
FPS-EU002-D-015-01-042508	43.401399	-84.027409	320	
FPS-EU002-D-015-01-042508D	43.401399	-84.027409	870	
FPS-EU002-D-016-01-042408	43.401367	-84.028504	660	
FPS-EU002-D-017-01-042408	43.401370	-84.028366	3,200	
FPS-EU002-D-018-01-042508	43.401368	-84.027245	30	
FPS-EU002-D-019-01-042408	43.401460	-84.028437	1,413	
FPS-EU002-D-020-01-042408	43.401455	-84.028298	1,100	M
FPS-EU002-D-021-01-042508	43.401470	-84.027185	12	
FPS-EU002-D-022-01-042408	43.401528	-84.028352	1,300	
FPS-EU002-D-023-01-042508	43.401541	-84.028288	1,500	
FPS-EU002-D-023-01-042508D	43.401541	-84.028288	1,200	
FPS-EU002-D-024-01-042508	43.401584	-84.027167	30	
FPS-EU002-D-025-01-042408	43.401596	-84.028837	2,100	
FPS-EU002-D-026-01-042508	43.401638	-84.028032	1,000	
FPS-EU002-D-027-01-042508	43.401628	-84.027628	460	
FPS-EU002-D-028-01-042508	43.401595	-84.027185	67	
FPS-EU002-D-029-01-042508	43.401720	-84.028317	650	
FPS-EU002-D-030-01-042408	43.401626	-84.028185	110	
FPS-EU002-D-031-01-042508	43.401714	-84.028240	29	
FPS-EU002-D-032-01-042508	43.401711	-84.028098	900	
FPS-EU002-D-033-01-042508	43.401714	-84.027955	250	
FPS-EU002-D-033-01-042508D	43.401714	-84.027955	150	

Table 4-3
Surface Soil Sampling Results EU002 Property C and D
Residential Floodplain Sampling

Field Sample ID	Latitude	Longitude	TEQ (ppt)	
FPS-EU002-D-034-01-042508	43.401794	-84.028156	12	
FPS-EU002-D-035-01-042508	43.401785	-84.028029	130	
FPS-EU002-D-036-01-042508	43.401789	-84.027899	16	
FPS-EU002-D-037-01-042508	43.401789	-84.027755	75	M
FPS-EU002-D-038-01-042508	43.401884	-84.027955	31	
FPS-EU002-D-039-01-042508	43.401879	-84.027831	5	
FPS-EU002-D-040-01-042508	43.401942	-84.027946	46	
FPS-EU002-D-041-01-042408	43.402121	-84.028841	170	
FPS-EU002-D-042-01-042508	NA	NA	383	
Property D MIN			5	M
Property D MAX			5,900	
Property D AVG			1,314	

Notes:

- Bold values exceed ATSDR TEQ criterion of 1,000 ppt.
- * = Performance evaluation sample, result not included in average
- ATSDR = Agency for Toxic Substances and Disease Registry
- AVG = Average value
- ID = Identification
- M = TEQ has been manually recalculated
- MAX = Maximum value
- MIN = Minimum value
- NA = Not available
- ppt = Part per trillion
- TEQ = Toxicity equivalent

Table 4-4
 Surface Soil Sampling Results EU002 Property E and F
 Residential Floodplain Sampling

Field Sample ID	Latitude	Longitude	TEQ (ppt)
FPS-EU002-E-001-01-042408	43.400786	-84.027413	3,000
FPS-EU002-E-002-01-042408	43.400872	-84.027399	3,900
FPS-EU002-E-003-01-042408	43.400958	-84.027274	1,900
FPS-EU002-E-004-01-042408	43.401091	-84.027150	1,300
FPS-EU002-E-005-01-042408	43.401012	-84.027347	1,700
FPS-EU002-E-006-01-042408	43.401234	-84.027171	970
FPS-EU002-E-007-01-042508	43.401303	-84.027183	24
FPS-EU002-E-008-01-042508	43.401414	-84.027009	1,000
FPS-EU002-E-009-01-042508	43.401386	-84.027116	17
FPS-EU002-E-010-01-042508	43.401465	-84.027055	120
FPS-EU002-E-011-01-042508	43.401483	-84.026915	49
FPS-EU002-E-011-01-042508D	43.401483	-84.026915	34
FPS-EU002-E-012-01-042508	43.401547	-84.026855	41
Property E MIN			17
Property E MAX			3,900
Property E AVG			1,081
FPS-EU002-F-001-01-042508	43.399839	-84.026639	2,800
FPS-EU002-F-002-01-042508	43.400024	-84.026879	5,000
FPS-EU002-F-002-01-042508D	43.400024	-84.026879	4,500
FPS-EU002-F-003-01-042608	43.400323	-84.027450	3,300
FPS-EU002-F-004-01-042608	43.400304	-84.027033	3,800
FPS-EU002-F-005-01-042508	43.400312	-84.026633	1,600
FPS-EU002-F-006-01-042608	43.400581	-84.027211	1,600
FPS-EU002-F-007-01-042508	43.400575	-84.026819	2,500
FPS-EU002-F-008-01-042608	43.400572	-84.026400	240
FPS-EU002-F-009-01-042608	43.400777	-84.027036	1,200
FPS-EU002-F-010-01-042608	43.400837	-84.026728	150
FPS-EU002-F-011-01-042608	43.400831	-84.026204	92
FPS-EU002-F-012-01-042608	43.401078	-84.026818	65
FPS-EU002-F-013-01-042608	43.401077	-84.026390	12
FPS-EU002-F-014-01-042608	43.401080	-84.025993	43
FPS-EU002-F-015-01-042608	43.401323	-84.026212	45
FPS-EU002-F-016-01-042608	43.401372	-84.026855	11
FPS-EU002-F-017-01-042608	43.401413	-84.026575	4
FPS-EU002-F-018-01-042608	43.401453	-84.026801	29
FPS-EU002-F-019-01-042608	43.401489	-84.026739	9
FPS-EU002-F-020-01-042808	43.401295	-84.026637	10 M
FPS-EU002-F-020-01-042808D	43.401295	-84.026637	110
Property F MIN			4
Property F MAX			5,000
Property F AVG			1,233

Notes:

- Bold values exceed ATSDR TEQ criterion of 1,000 ppt.
- ATSDR = Agency for Toxic Substances and Disease Registry
- AVG = Average value
- ID = Identification
- M = TEQ has been manually recalculated
- MAX = Maximum value
- MIN = Minimum value
- ppt = Part per trillion
- TEQ = Toxicity equivalent

Table 4-5
Surface Soil Sampling Results EU002 Property G and H
Residential Floodplain Sampling

Field Sample ID	Latitude	Longitude	TEQ (ppt)	
FPS-EU002-G-001-01-042808	43.399789	-84.026201	4,100	
FPS-EU002-G-002-01-042808	43.400088	-84.026392	2,200	
FPS-EU002-G-003-01-042808	43.400065	-84.026025	907	M
FPS-EU002-G-004-01-042808	43.400264	-84.026188	990	
FPS-EU002-G-004-01-042808D	43.400264	-84.026188	657	M
FPS-EU002-G-005-01-042808	43.400182	-84.025803	2,447	M
FPS-EU002-G-006-01-042808	43.400615	-84.026015	31	M
FPS-EU002-G-007-01-042808	43.400568	-84.025664	33	
FPS-EU002-G-008-01-042808	43.400655	-84.025613	42	M
FPS-EU002-G-009-01-042808	43.400721	-84.025748	98	
FPS-EU002-G-010-01-042808	43.400783	-84.026014	2	M
FPS-EU002-G-011-01-042808	43.400792	-84.025696	6	M
FPS-EU002-G-012-01-042808	43.400879	-84.025892	1	
FPS-EU002-G-013-01-042808	43.400931	-84.025805	3	
FPS-EU002-G-014-01-042808	43.400931	-84.025634	3	
FPS-EU002-G-014-01-042808D	43.400931	-84.025634	2	
FPS-EU002-G-015-01-042808	43.400985	-84.025835	1	
FPS-EU002-G-016-01-042808	43.400998	-84.025727	3	
FPS-EU002-G-017-01-042808	43.401087	-84.025633	43	
FPS-EU002-G-018-01-042808	43.401130	-84.025844	2	
FPS-EU002-G-019-01-042808	43.401128	-84.025716	7	
Property G MIN			1	
Property G MAX			4,100	
Property G AVG			551	
FPS-EU002-H-001-01-042808	43.400712	-84.025622	45	M
FPS-EU002-H-002-01-042808	43.400719	-84.025483	1	
FPS-EU002-H-003-01-042808	43.400787	-84.025555	6	
FPS-EU002-H-004-01-042808	43.400802	-84.025418	9	
FPS-EU002-H-005-01-042808	43.400892	-84.025347	10	
FPS-EU002-H-006-01-042808	43.400969	-84.025383	6	
FPS-EU002-H-007-01-042808	43.401058	-84.025489	5	
FPS-EU002-H-007-01-042808D	43.401058	-84.025489	5	
FPS-EU002-H-008-01-042808	43.401049	-84.025331	85	
Property H MIN			1	
Property H MAX			85	
Property H AVG			19	

Notes:

Bold values exceed ATSDR TEQ criterion of 1,000 ppt.

ATSDR = Agency for Toxic Substances and Disease Registry

AVG = Average value

ID = Identification

M = TEQ has been manually recalculated

MAX = Maximum value

MIN = Minimum value

ppt = Part per trillion

TEQ = Toxicity equivalent

Table 4-6
Surface Soil Sampling Results EU002 Property J and K
Residential Floodplain Sampling

Field Sample ID	Latitude	Longitude	TEQ (ppt)
FPS-EU002-J-001-01-042908	43.398837	-84.024771	3,900
FPS-EU002-J-002-01-042908	43.399057	-84.025292	1,100
FPS-EU002-J-002-01-042908D	43.399057	-84.025292	730
FPS-EU002-J-003-01-042908	43.399047	-84.024938	610
FPS-EU002-J-004-01-042908	43.399259	-84.025419	5,600
FPS-EU002-J-005-01-042908	43.399258	-84.025115	620
FPS-EU002-J-006-01-042908	43.399275	-84.024768	1,300
FPS-EU002-J-007-01-042908	43.399465	-84.025618	1,100
FPS-EU002-J-008-01-042908	43.399506	-84.025279	870
FPS-EU002-J-009-01-042908	43.399475	-84.024949	130
FPS-EU002-J-010-01-042908	43.399710	-84.025457	560
FPS-EU002-J-011-01-042908	43.399708	-84.025088	120
FPS-EU002-J-012-01-042908	43.399683	-84.024752	340
FPS-EU002-J-013-01-042908	43.399940	-84.025593	260
FPS-EU002-J-014-01-042908	43.399889	-84.025302	190
FPS-EU002-J-015-01-042908	43.399921	-84.024931	66
FPS-EU002-J-016-01-042908	43.400060	-84.025441	380
FPS-EU002-J-017-01-042908	43.400138	-84.025033	350
FPS-EU002-J-017-01-042908D	43.400138	-84.025033	490
FPS-EU002-J-018-01-042908	43.400134	-84.024758	470
FPS-EU002-J-019-01-042908	43.400332	-84.025268	380
FPS-EU002-J-020-01-042908	43.400345	-84.024931	16
FPS-EU002-J-021-01-042908	43.400410	-84.024822	12
FPS-EU002-J-022-01-042908	43.400477	-84.025001	4
FPS-EU002-J-023-01-042908	43.400473	-84.024867	290
FPS-EU002-J-024-01-042908	43.400562	-84.025195	72
FPS-EU002-J-024-01-042908D	43.400562	-84.025195	87
FPS-EU002-J-025-01-042908	43.400566	-84.025042	120
FPS-EU002-J-026-01-042908	43.400583	-84.024806	40
FPS-EU002-J-027-01-042908	43.400622	-84.025120	240
FPS-EU002-J-028-01-042908	43.400658	-84.024961	290
FPS-EU002-J-029-01-042908	43.400681	-84.024821	76
FPS-EU002-J-030-01-042908	43.400718	-84.025056	170
FPS-EU002-J-031-01-042908	43.400742	-84.024769	88
FPS-EU002-J-032-01-042908	43.400829	-84.024988	1,900
FPS-EU002-J-033-01-042908	43.400838	-84.024871	290
FPS-EU002-J-033-01-042908D	43.400838	-84.024871	420
FPS-EU002-J-034-01-042908	43.400914	-84.025047	400
FPS-EU002-J-035-01-042908	43.400524	-84.025032	3
Property J MIN			3
Property J MAX			5,600
Property J AVG			618
FPS-EU002-K-001-01-043008	43.400414	-84.024638	38
FPS-EU002-K-002-01-043008	43.400416	-84.024531	140
FPS-EU002-K-003-01-043008	43.400465	-84.024706	8
FPS-EU002-K-004-01-043008	43.400480	-84.024610	3
FPS-EU002-K-005-01-043008	43.400504	-84.024465	40
FPS-EU002-K-005-01-043008D	43.400504	-84.024465	60
FPS-EU002-K-006-01-043008	43.400568	-84.024666	1
FPS-EU002-K-007-01-043008	43.400570	-84.024520	4
FPS-EU002-K-008-01-043008	43.400657	-84.024709	4

Table 4-6
Surface Soil Sampling Results EU002 Property J and K
Residential Floodplain Sampling

Field Sample ID	Latitude	Longitude	TEQ (ppt)
FPS-EU002-K-009-01-043008	43.400656	-84.024611	4
FPS-EU002-K-010-01-042908	43.400831	-84.024716	9
FPS-EU002-K-011-01-043008	43.400827	-84.024622	7
FPS-EU002-K-012-01-043008	43.400835	-84.024468	13
FPS-EU002-K-013-01-043008	43.400908	-84.024629	36
FPS-EU002-K-014-01-043008	43.400914	-84.024520	21
FPS-EU002-K-014-01-043008D	43.400914	-84.024520	20
Property K MIN			1
Property K MAX			140
Property K AVG			25

Notes:

Bold values exceed ATSDR TEQ criterion of 1,000 ppt.

ATSDR = Agency for Toxic Substances and Disease Registry

AVG = Average value

ID = Identification

M = TEQ has been manually recalculated

MAX = Maximum value

MIN = Minimum value

ppt = Part per trillion

TEQ = Toxicity equivalent

Table 4-7
Dust and Wipe Sampling Results EU002 Properties
Residential Floodplain Sampling

Dust Samples		
Field Sample ID	TEQ (pg/g)	
FPS-EU002-DD-02-050108	9.5	M
FPS-EU002-DH-02-050208	23.2	M
FPS-EU002-DK-01-050208	15.1	M
FPS-EU002-DK-02-050208	8.2	M
FPS-EU002-DG-01-050108	49	
FPS-EU002-DG-02-050108	5	M
	Dust MIN	5
	Dust MAX	49
	Dust AVG	18.3

Wipe Samples		
Field Sample ID	TEQ (pg/wipe)	Location
FPS-EU002-WD-01-050108	36	Inside
FPS-EU002-WH-01-050208	33	Inside
	Wipe MIN	33
	Wipe MAX	36
	Wipe AVG	35

Notes:

ID = Identification

M = TEQ has been manually recalculated

pg/g = Picogram per gram of dust

pg/wipe = Picogram per wipe

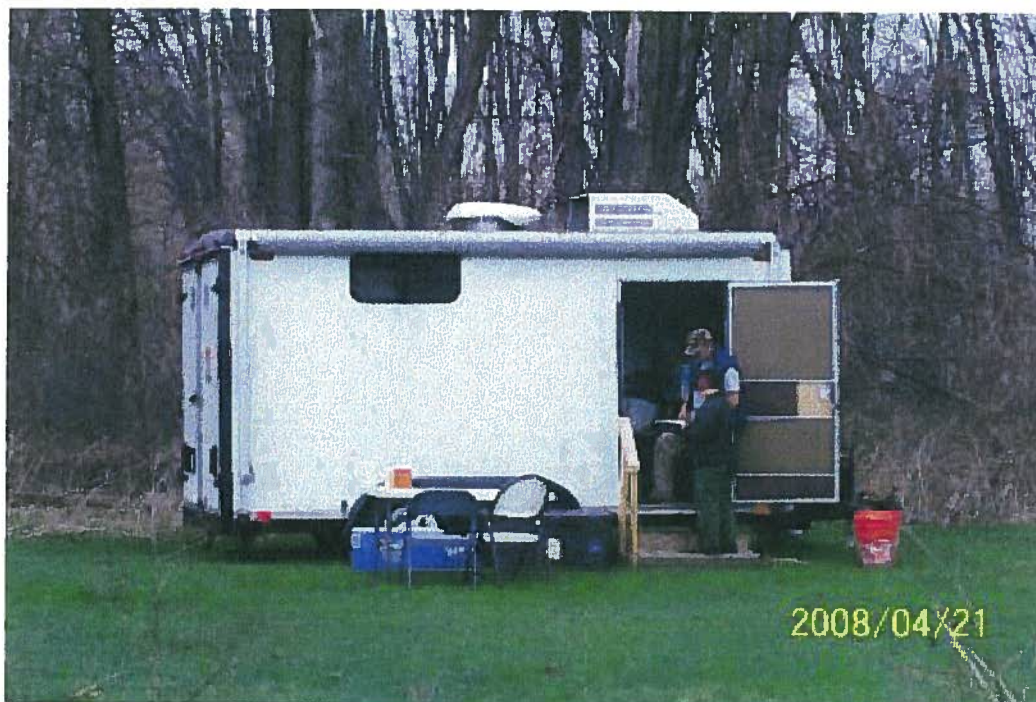
TEQ = Toxicity equivalent

AVG = Average value

MAX = Maximum value

MIN = Minimum value

APPENDIX A
PHOTO DOCUMENTATION



Site: Residential Floodplain Sampling – EU002
Photo Number: 100_2014
Direction: NE
Subject: Staging area for EU002 site assessment.

Date: 4/21/2008
Photographer: Diane Russell



Site: Residential Floodplain Sampling – EU002
Photo Number: 100_2018
Direction: NW
Subject: Geoprobe locations in Property B (West Michigan Park).

Date: 4/22/2008
Photographer: Diane Russell



Site: Residential Floodplain Sampling – EU002

Photo Number: 100_2019

Direction: NW

Subject: Geoprobe locations in Property B (West Michigan Park).

Date: 4/22/08

Photographer: Diane Russell



Site: Residential Floodplain Sampling – EU002

Photo Number: 100_2020

Direction: SW

Subject: Recreational fisherman near Property B.

Date: 4/22/2008

Photographer: Diane Russell



Site: Residential Floodplain Sampling – EU002

Photo Number: 100_2026

Direction: SE

Subject: Added sample point B-069 with dog and child footprints around area.

Date: 4/23/2008

Photographer: Diane Russell



Site: Residential Floodplain Sampling – EU002

Photo Number: 100_2032

Direction: S

Subject: Geoprobe core decontamination table.

Date: 4/29/2008

Photographer: Kelly Hudson



Site: Residential Floodplain Sampling – EU002

Photo Number: 100_2037

Direction: E

Subject: Vegetable garden in Property J.

Date: 4/29/2008

Photographer: Kelly Hudson



Site: Residential Floodplain Sampling – EU002

Photo Number: DSC00479

Direction: North

Subject: Slam bar geoprobe location in EU002.

Date: 4/24/2008

Photographer: Sarah Meyer

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Site: Residential Floodplain Sampling – EU002
Photo Number: DSC00493
Direction: SW
Subject: Recreational fisherman in Property A.

Date: 4/25/2008
Photographer: Sarah Meyer



Site: Residential Floodplain Sampling – EU002
Photo Number: DSCN00008
Direction: E
Subject: Swing set at Property B with bare soils visible.

Date: 11/21/2008
Photographer: Lorie Ambrosio

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Site: Residential Floodplain Sampling – EU002

Photo Number: DSCN000016

Direction: SE

Subject: Grill area located on Property A.

Date: 11/21/2008

Photographer: Lorie Ambrosio



Site: Residential Floodplain Sampling – EU002

Photo Number: DSCN000024

Direction: SW

Subject: Path to river and kayak launch at Property F.

Date: 11/21/2008

Photographer: Lorie Ambrosio