



**U.S. Army
Corps of Engineers**

New England District
Concord, Massachusetts



**U.S. Environmental
Protection Agency**

Region I
Boston, Massachusetts

FINAL DRAFT

**PHASE 1 HUMAN HEALTH RISK ASSESSMENT FOR
REST OF RIVER**

Volume I – Text and Tables

DCN: GE-110101-AASO

1 November 2001

**Environmental Remediation Contract
General Electric (GE)/Housatonic River Project
Pittsfield, Massachusetts**

Contract No. DACW33-00-D-0006

Task Order No. 0003

PHASE 1 HUMAN HEALTH RISK ASSESSMENT FOR REST OF RIVER

VOLUME I—TEXT AND TABLES

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**U.S. ARMY CORPS OF ENGINEERS
NEW ENGLAND DISTRICT
CONCORD, MASSACHUSETTS**

AND

**U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION I
BOSTON, MASSACHUSETTS**

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LIST OF ACRONYMS

AT	averaging time
ATc	averaging time-cancer
ATnc	averaging time-noncancer
BHHRA	baseline human health risk assessment
BW	body weight
CSF	cancer slope factor
DQOs	data quality objectives
EPA	U.S. Environmental Protection Agency
EPC	exposure point concentration
EPRI	Electric Power Research Institute
FSEA	Floodplain Soil Exposure Area
GIS	Geographic Information System
HHRA	Human Health Risk Assessment
IDs	identifications
IRIS	Integrated Risk Information System
IR _{Sed}	sediment ingestion rates
IR _{Soil}	soil ingestion rates
MDEP	Massachusetts Department of Environmental Protection
PCBs	polychlorinated biphenyls
QAPP	Quality Assurance Project Plan
RAGS	Risk Assessment Guidance for Superfund
RfD	reference dose
SQL	sample quantitation limit
SRBCs	Screening Risk-Based Concentrations
THQ	target hazard quotient
TR	target cancer risks
UCL	upper confidence limit
USACE	U.S. Army Corps of Engineers
WESTON	Roy F. Weston, Inc.
WWTP	Waste Water Treatment Plant

1 PHASE 1 HUMAN HEALTH RISK ASSESSMENT

2 EXECUTIVE SUMMARY

3 INTRODUCTION

4 The Housatonic River Rest of River Investigation is focused on the area of the river from the
5 confluence of the East and West Branches in Pittsfield, MA, downstream to the Long Island
6 Sound. Because of this large area of concern and the number of properties to be evaluated along
7 this portion of the river, the Human Health Risk Assessment (HHRA) is being conducted in two
8 phases. This document describes Phase 1 of the HHRA. Phase 1 is a conservative, risk-based
9 screening evaluation of floodplain and riverbank soil and sediment on the basis of potential
10 human exposure to polychlorinated biphenyls (PCBs) from direct contact under current land use
11 conditions. The results of Phase 1 will be used to better focus Phase 2, the Baseline Human
12 Health Risk Assessment (BHHRA).

13 In addition to providing a comprehensive risk assessment for areas where soil or sediment
14 concentrations exceed the SRBCs, the BHHRA will also include consideration of indirect
15 exposures to PCBs (e.g., from consumption of fish, duck, or agricultural products). The BHHRA
16 will provide a basis for determining the need for remedial action in the Rest of River.

17 In Phase 1, PCB concentrations in floodplain soil, riverbank soil, and sediment were compared to
18 screening risk-based concentrations (SRBCs) to determine which areas will require further
19 investigation in Phase 2 and which could be eliminated from further consideration. SRBCs were
20 developed based on U.S. Environmental Protection Agency (EPA) toxicity criteria for PCBs
21 combined with an evaluation of the potential exposure to site media. This approach is outlined in
22 Figure ES-1.

23 Various activities occur along the Housatonic River that may result in human exposure to PCB-
24 contaminated soil (floodplain and riverbank) and sediment. For the Phase 1 screening, the types
25 of potential direct contact exposures resulting from such activities have been divided into the
26 following four major categories:

- 1 ▪ **Residential Exposure**—Residents may be exposed to floodplain and riverbank soil
2 and sediment during daily activities on their properties.
- 3 ▪ **Recreational Exposure**—Recreational visitors may be exposed to floodplain and
4 riverbank soil and sediment while hunting, fishing, camping, canoeing, wading,
5 hiking, dirtbiking, and picnicking, and while engaging in related activities.
- 6 ▪ **Agricultural Exposure**—Farmers may be exposed to PCB-contaminated floodplain
7 soil while tilling, planting, maintaining, or harvesting crops.
- 8 ▪ **Commercial/Industrial Exposure**
- 9 - **Utility Worker Exposure**—Utility workers may be exposed to floodplain and
10 riverbank soils during activities such as maintenance or installation of new
11 equipment.
- 12 - **Groundskeeper Exposure**—Groundskeepers may be exposed to floodplain soil
13 along the Housatonic River while conducting such activities as lawn or garden
14 maintenance.

15 **DEVELOPMENT OF SCREENING RISK-BASED CONCENTRATIONS**

16 The SRBCs were developed to conservatively screen out areas where PCBs do not pose a
17 significant risk to humans via direct contact with soils or sediment.

18 EPA's toxicity criteria for the carcinogenic and noncarcinogenic effects of PCBs were combined
19 with conservative estimates of direct-contact exposure for each land use to calculate risk-based
20 screening concentrations for each medium and land use. The potential exposure to both children
21 and adults was considered in developing the SRBCs. The PCB concentrations detected in the
22 floodplain and riverbank soils and sediment were then compared to the SRBCs to determine
23 whether a particular property or stretch of riverbank or sediment is likely to pose an unacceptable
24 risk.

25 SRBCs were developed for the incidental ingestion and dermal absorption pathways by medium
26 for each scenario and age group (child and adult). Integrated medium-specific SRBCs were
27 calculated and used in the site screening comparison. The integrated SRBCs were calculated,
28 based on cancer and noncancer effects, for each applicable scenario from the respective SRBCs
29 for incidental ingestion and dermal contact.

1 Table 2-8 (Section 2) summarizes the integrated SRBCs by exposure scenario, age group,
2 toxicity type (cancer or noncancer), and medium. For screening purposes, the lowest of each
3 medium-specific integrated SRBC for each scenario was used to compare to PCB concentrations.
4 Section 2 provides a detailed discussion of the assumptions used in developing the SRBCs.

5 **SCREENING APPROACH**

6 The initial screening analysis started with the comparison of the maximum PCB concentration
7 detected in a given medium (e.g., floodplain soil) with a medium-specific SRBC appropriate for
8 the specific land use. If the maximum detected PCB concentration exceeded the SRBC and
9 sufficient data were available, the exposure point concentration (EPC) was calculated. The EPC
10 is the 95% upper confidence limit of the mean (95% UCL) or the maximum detected value,
11 whichever is lower. The EPC was then compared to the SRBC. If the EPC was less than the
12 SRBC, potential exposure to that particular medium at that property or area was eliminated from
13 further consideration at this time in the risk assessment process.

14 PCB data collected by EPA/U.S. Army Corps of Engineers (USACE) were used in the initial
15 Phase 1 screening analysis. A separate evaluation was performed to determine the impact of
16 using both the EPA/USACE and GE data on the screening results (see Section 8).

17 This screening approach was modified for each river reach based on the relative level of PCB
18 contamination found in that reach, as described in the following subsections. The screening
19 approach is considered conservative. However, any additional information collected during the
20 Phase 2 investigation that calls into question the results of the screening will be considered
21 justification for possible further investigation.

22 **Reaches 5 and 6 (From the Confluence of the East and West Branches to Woods Pond 23 Dam)**

24 Floodplain soil screening in Reaches 5 and 6 was conducted on a tax-parcel basis because of the
25 relatively high levels of PCB contamination in these reaches and the need to be able to determine
26 on a property-by-property basis inclusion or elimination from consideration in Phase 2. Potential
27 contact with riverbank soil and sediment was evaluated by exposure area rather than strictly by

1 property boundaries. A riverbank soil and sediment exposure area could consist of several
2 contiguous tax parcels with similar potential exposure patterns.

3 **Reaches 7 and 8 (From Below Woods Pond Dam to Rising Pond)**

4 In Reaches 7 and 8, each floodplain soil screening evaluation was conducted on exposure areas
5 that encompassed more than one tax parcel. The only exceptions were the current high-contact
6 residential properties, which were screened on a tax-parcel basis as was done for Reaches 5
7 and 6.

8 Larger exposure areas could be evaluated in Reaches 7 and 8 because of the overall lower levels
9 of PCB concentrations detected in floodplain soil downstream of Woods Pond. Exposure to
10 riverbank soil was evaluated on a reach-wide basis because of the lower level of PCB
11 contamination and the lack of a clearly defined riverbank in many places. Sediment PCB
12 concentrations were also significantly lower downstream of Woods Pond and tended to exceed
13 screening criteria only at certain impoundments. Therefore, potential exposure to sediment was
14 evaluated based on proximity to impoundment areas.

15 **Reach 9 (From Below Rising Pond to the Connecticut Border)**

16 The Phase 1 screening evaluation for Reach 9 was conducted over the entire reach for floodplain
17 and riverbank soil and sediment. A review of the data collected from Reach 9 indicated that there
18 were few detected PCB concentrations that exceeded the most conservative SRBCs.

19 **Reaches 10 Through 17 (State of Connecticut from the Massachusetts Border to Long
20 Island Sound)**

21 The screening process for reaches of the river in the State of Connecticut will be conducted at a
22 later date and included in the BHHRA.

1 SCREENING RESULTS

2 Reaches 5 and 6 (From the Confluence of the East and West Branches to Woods Pond 3 Dam)

4 Floodplain soil PCB data in Reaches 5 and 6 were evaluated on an individual tax-parcel basis.
5 Riverbank soil and sediment PCB data were evaluated on an exposure-area basis. Figure ES-2
6 presents an overview of the results of the floodplain soil screening evaluation in Reaches 5 and
7 6. This color-coded figure shows the areas that require a more comprehensive risk assessment
8 (i.e., PCB concentrations greater than SRBCs), the areas eliminated from further consideration
9 for direct contact exposure (i.e., PCB concentrations less than SRBCs), and the areas transferred
10 to GE. In accordance with the Performance Standards in the Consent Decree, any current high-
11 contact residential property with a detected PCB concentration greater than 2 mg/kg will be
12 transferred to GE for further evaluation. GE will be required to perform additional sampling and
13 analysis on these properties to determine whether remediation will be necessary.

14 As shown in Figure ES-2, the majority of the properties and exposure areas in Reaches 5 and 6
15 will require more detailed evaluation in Phase 2. The few areas not requiring further evaluation
16 are typically separated from the river by railroad tracks or utility easements, or have only a small
17 amount of area in the floodplain and are a considerable distance from the river. Almost all other
18 floodplain soil will require additional evaluation in Phase 2. Similarly, all riverbank soil and
19 sediment in Reaches 5 and 6 exceeded applicable SRBCs and will require further evaluation in
20 Phase 2. A separate evaluation of these reaches using the EPA/USACE and GE data combined
21 indicated that the inclusion of GE data would not impact the Phase 1 screening results.

22 Section 3 presents a detailed evaluation of each tax parcel containing floodplain and each stretch
23 of riverbank and sediment. Table 3-154 presents each tax parcel by land use, the town in which
24 the parcel is located, and the results of the Phase 1 screening evaluation for floodplain and
25 riverbank soil and sediment. This table also includes a reference to the applicable report table
26 and figure that provide detailed information for that parcel. Table ES-1 provides a summary of
27 the results of the screening process for these reaches.

Table ES-1
Summary of the Phase 1 Screening Results

Land Use(s)/Exposure Area	Retained	Eliminated	Transferred to GE ^a
Reaches 5 and 6			
<i>Floodplain Soil</i>			
Residential – high-contact	---	4	8
Residential – low-contact	23	19	---
Recreational – high-contact	33	1	---
Recreational – low-contact	7	3	---
Agricultural	3	1	---
Commercial/industrial ^b	8	8	---
<i>Riverbank Soil</i>			
Residential – high-contact	---	0	2
Other residential and recreational areas ^c	15	0	---
Commercial/industrial areas ^b	3	3	---
<i>Sediment</i>			
Residential – high-contact	2	0	---
Other residential and recreational areas	21	0	---
Reaches 7 and 8			
<i>Floodplain Soil</i>			
Residential – high-contact ^d	---	51	27
Exposure areas	17	40	---
<i>Sediment</i>			
Impoundment areas	5	0	---
Free-flowing areas	0	4	---
Total:	137	134	37

Retained – retained for further evaluation in Phase 2.

Eliminated – eliminated from further consideration for direct contact based upon current land use.

^a All current high-contact residential properties were transferred to GE for further evaluation if the maximum detected PCB concentration exceeded the residential high-contact floodplain soil SRBC of 2 mg/kg.

^b Includes both utility easements and other commercial/industrial properties.

^c Four exposure areas in Reaches 5 and 6 had no riverbank soil data available. Riverbank soil samples were collected only from areas where a clearly defined riverbank was present.

^d Five high-contact residential properties in Reaches 7 and 8 had no Phase 1 screening result. A decision will be made after GE completes its thorough grid sampling program on nearby high-contact residential properties that were transferred.

1 **Reaches 7 and 8 (From Below Woods Pond Dam to Rising Pond)**

2 Because of the relatively lower level of PCB contamination in the area below Woods Pond,
3 Reaches 7 and 8 were evaluated using a slightly different approach to facilitate the evaluation of
4 the large number of parcels present while still providing a conservative representation of current
5 direct-contact exposure. Floodplain soil PCB data in Reaches 7 and 8 were evaluated on an
6 individual tax-parcel basis for current high-contact residential properties and on an exposure-area
7 basis for all other land uses. Riverbank soil PCB data were evaluated on a reach-wide basis.
8 Sediment PCB data were evaluated by exposure area, based on proximity to impoundment areas.
9 Figures ES-3 and ES-4 present an overview of the results of the floodplain soil screening
10 evaluation in Reaches 7 and 8. These figures are color-coded to show the areas that require a
11 more comprehensive risk assessment (i.e., PCB concentrations greater than SRBCs), the areas
12 eliminated from further consideration based on direct contact exposure (i.e., PCB concentrations
13 less than SRBCs), the areas transferred to GE, and the areas where a Phase 1 screening result has
14 yet to be determined. In accordance with the Performance Standards in the Consent Decree, any
15 current high-contact residential property with a PCB concentration greater than 2 mg/kg will be
16 transferred to GE for further evaluation. As shown in the figures, the majority of the properties
17 and floodplain soil exposure areas in Reaches 7 and 8 had PCB concentrations below SRBCs and
18 therefore will not require more detailed evaluation in Phase 2 for direct contact. Riverbank soil
19 was eliminated from further evaluation on a reach-wide basis because concentrations of PCBs in
20 all riverbank soil samples were below the most stringent SRBC. All sediment areas near
21 impoundments were retained for further evaluation, whereas all sediment areas in free-flowing
22 portions of the river were eliminated from further consideration for direct contact because the
23 PCB concentrations were below the most stringent sediment SRBC. A separate evaluation using
24 the EPA/USACE and GE data combined indicated that the Phase 1 screening result of only one
25 floodplain soil exposure area would change from being eliminated to being retained for further
26 evaluation. This property was therefore retained for further evaluation.

27 Section 4 presents a detailed evaluation of each tax parcel in Reaches 7 and 8 with area in the
28 floodplain and each stretch of sediment. Table 4-146 presents each high-contact residential tax
29 parcel, the town in which the parcel is located, and the results of the Phase 1 screening
30 evaluation for floodplain soil and sediment. This table also includes a reference to the applicable

1 report table and figure that provide detailed information for that parcel. Table 4-147 presents this
2 information by floodplain soil exposure area for all other current land uses. This table includes
3 the floodplain soil exposure area designation, the tax parcels included within each exposure area,
4 the town in which the tax parcels are located, and the results of the Phase 1 screening evaluation
5 for floodplain soil and sediment. Table 4-147 also includes a reference to the applicable report
6 table and figure that provide detailed information for that area. Table ES-1 provides a summary
7 of the results of the screening process for these reaches.

8 **Reach 9 (From Below Rising Pond to the Connecticut Border)**

9 Because of the significantly lower levels of PCB contamination in Reach 9 than in the reaches
10 upstream of Rising Pond, the entire length of Reach 9 (rather than individual parcels) was
11 evaluated for each of the exposure media. The PCB concentrations (95% UCL) in each of the
12 media were below the most stringent SRBCs.

13 Two localized floodplain areas within Reach 9 had maximum detected PCB concentrations
14 greater than the most conservative SRBC (2 mg/kg). These two areas were evaluated in greater
15 detail by comparing the 95% UCLs to the SRBCs, as was done for similar properties in the upper
16 reaches. This evaluation showed that these two areas had PCB concentrations (95% UCLs) that
17 were also below the most stringent SRBC of 2 mg/kg. A separate evaluation using the
18 EPA/USACE and GE data combined indicated no change to the Phase 1 screening results for
19 Reach 9.

20 Therefore, Reach 9 was eliminated from further consideration due to direct-contact exposure.
21 Selected areas, however, may be included in the Phase 2 baseline human health risk assessment
22 (BHHRA) because of agricultural exposures. A detailed description of the screening process is
23 presented in Section 5. Table 5-1 presents a summary of the screening results for each medium.

24 **Reaches 10-17 (State of Connecticut from the Massachusetts Border to Long Island Sound)**

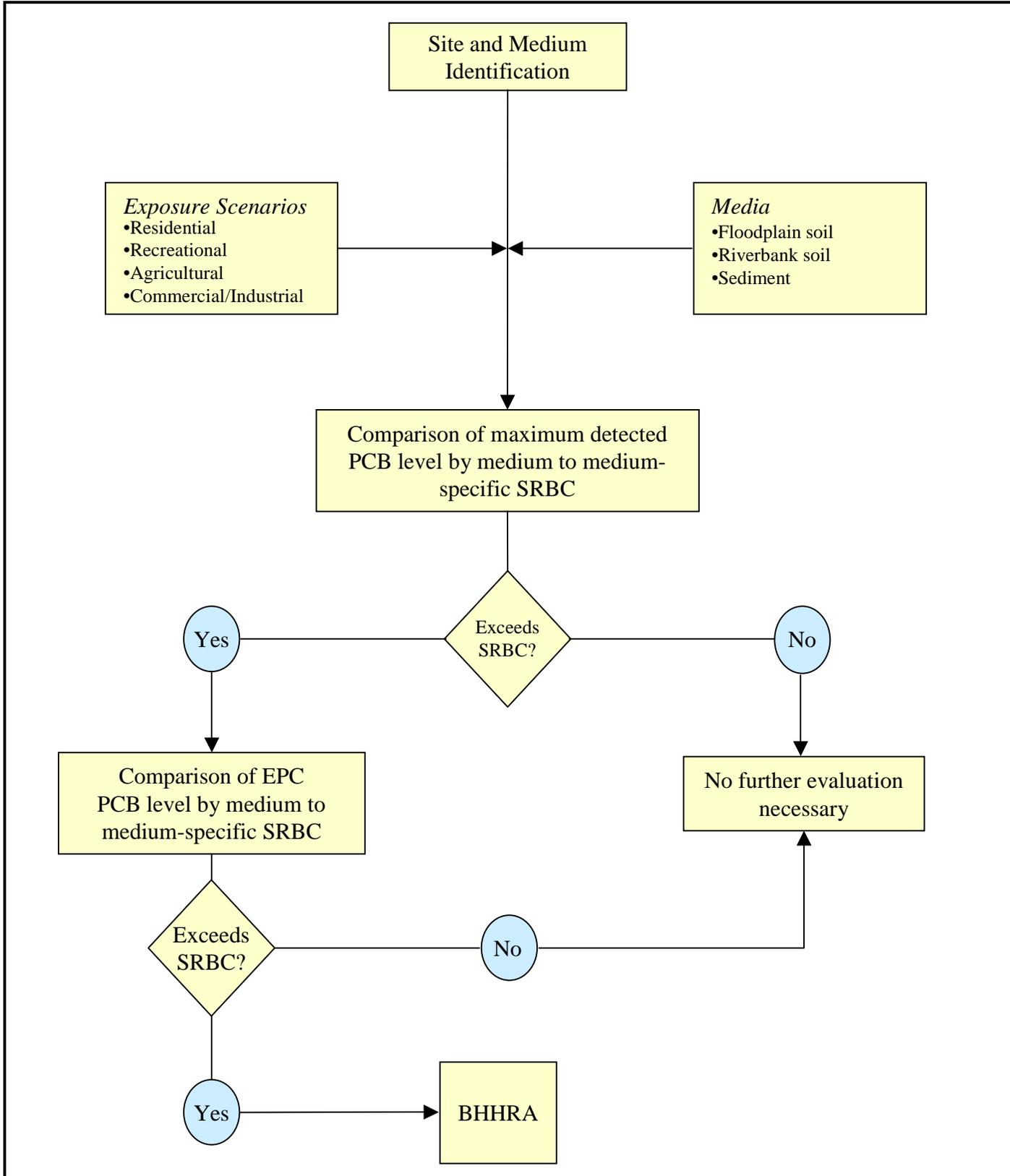
25 The results for Connecticut will be provided at a later date in the BHHRA.

1 FUTURE LAND USE

2 Individual tax parcels or exposure areas eliminated from further consideration based on current
3 land use could pose a potential risk through direct-contact exposure if the land use changes in the
4 future to a more restrictive land use. For example, if a portion of a commercial/industrial
5 property that was eliminated based on a comparison to the 20-mg/kg floodplain soil SRBC were
6 developed for recreational or residential use, the screening evaluation would have to be
7 reconsidered. Although certain aspects of potential future land uses were considered, the primary
8 focus of the Phase 1 screening evaluation was current land uses. Potential future land uses will
9 be further assessed prior to completing the Phase 2 evaluation. The assessment of potential future
10 land use will include, but not necessarily be limited to, consideration of the following:

- 11 ▪ Local zoning laws.
- 12 ▪ Currently proposed and/or other local development plans.
- 13 ▪ Site location in relation to residential, commercial, industrial, agricultural,
14 recreational, conservation, and preservation areas.
- 15 ▪ Institutional controls currently in place.
- 16 ▪ Nature and extent of contamination.
- 17 ▪ Input and concurrence of local officials.
- 18 ▪ Public acceptance.

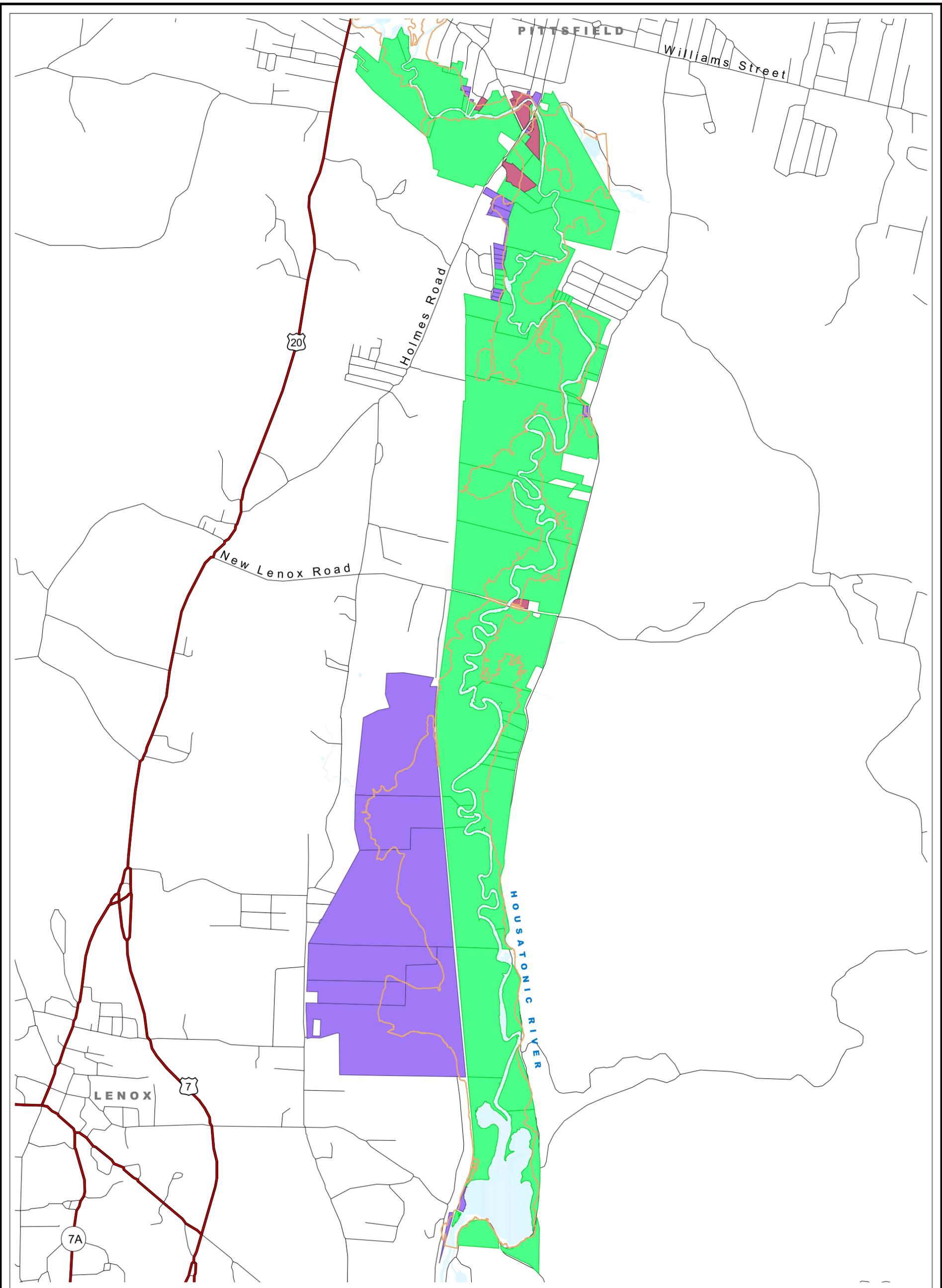
19 Section 7 identifies specific tax parcels and exposure areas that could be affected by future
20 changes to land uses. Table 7-1 presents the Phase 1 screening evaluation for these properties
21 based on the current land use. The tax parcel ID numbers, the PCB concentrations in floodplain
22 soil (0 to 1 ft), and the actions taken (i.e., eliminated or retained) for each area for each potential
23 future land use are also included in Table 7-1. This table allows the impact of any modifications
24 or changes to land use on specific properties or exposure areas to be readily determined.



SRBC = Screening Risk-Based Concentration
 BHHRA = Baseline Human Health Risk Assessment
 EPC = Exposure Point Concentration
 PCB = Total Polychlorinated Biphenyls

**Phase 1 – Human Health Risk Assessment
 GE Housatonic River Project
 Pittsfield, Massachusetts**

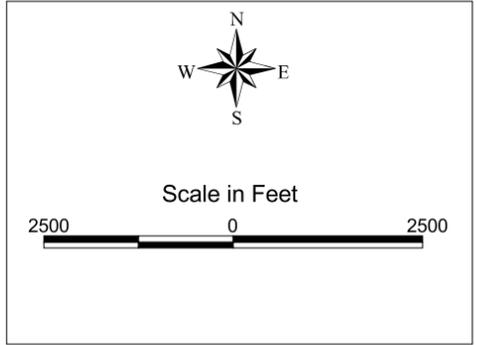
**FIGURE ES-1
 PHASE 1 SITE SCREENING APPROACH**



LEGEND:

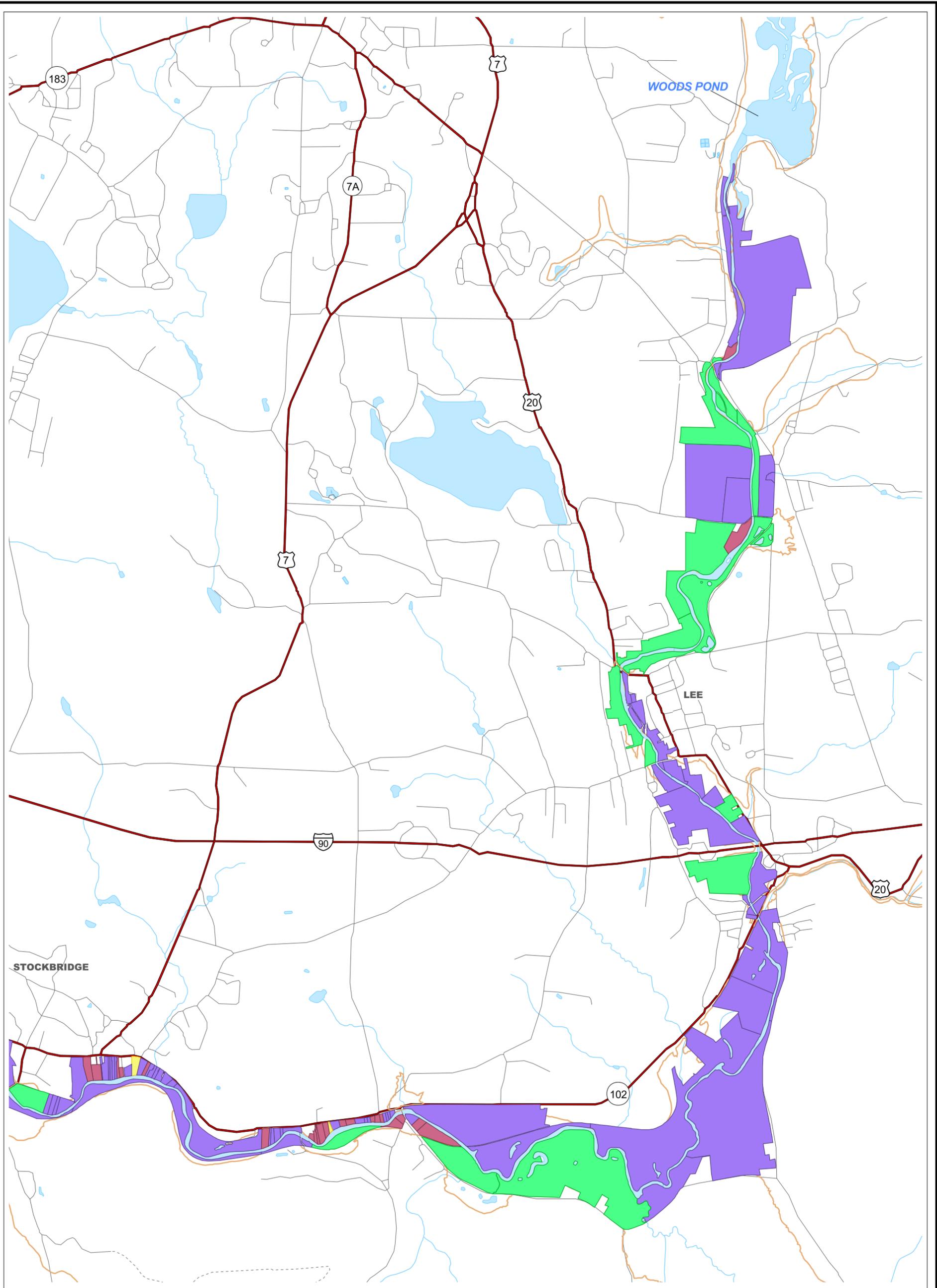
- Eliminated
- Retained
- Transferred to GE

- Roads
- 10-year Floodplain
- Housatonic River



Phase 1 - Human Health Risk Assessment
 GE Housatonic River Project
 Pittsfield, Massachusetts

**FIGURE ES-2
 OVERVIEW OF THE PHASE 1
 SCREENING RESULTS FOR
 FLOODPLAIN SOIL IN
 REACHES 5 AND 6**



LEGEND:

- Eliminated
- Retained
- Transferred to GE
- To Be Determined

- Roads
- Housatonic River
- 100-year Floodplain

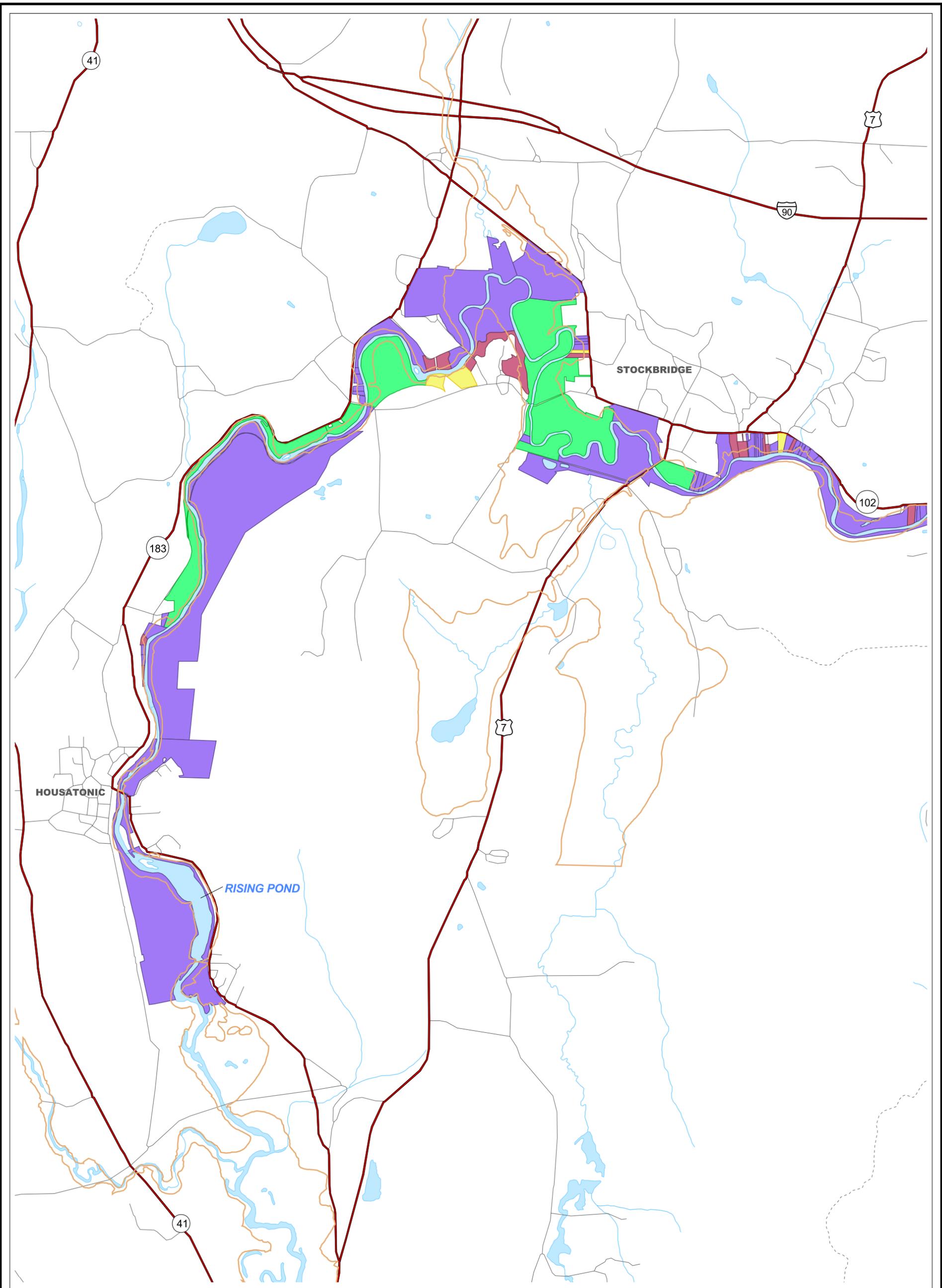


Scale in Feet



Phase 1 - Human Health Risk Assessment
 GE Housatonic River Project
 Pittsfield, Massachusetts

**FIGURE ES-3
 OVERVIEW OF THE PHASE 1
 SCREENING RESULTS FOR
 FLOODPLAIN SOIL IN
 REACH 7 FROM WOODS POND
 TO ROUTE 7**



LEGEND:

- | | |
|---|---|
|  Eliminated |  Roads |
|  Retained |  Housatonic River |
|  Transferred to GE |  100-year Floodplain |
|  To Be Determined | |



Scale in Feet



Phase 1 - Human Health Risk Assessment
 GE Housatonic River Project
 Pittsfield, Massachusetts

FIGURE ES-4
OVERVIEW OF THE PHASE 1
SCREENING RESULTS FOR
FLOODPLAIN SOIL IN
REACHES 7 AND 8 FROM
ROUTE 7 TO RISING POND

1 HUMAN HEALTH RISK ASSESSMENT—PHASE 1 SCREENING

2 1. INTRODUCTION

3 1.1 OVERVIEW AND OBJECTIVES

4 The baseline human health risk assessment (BHHRA) represents an integral component of the
5 supplemental investigation of the Rest of River* and serves multiple functions. The BHHRA
6 provides the following:

- 7 ▪ An evaluation of the potential human health risks under baseline conditions (i.e., no
8 action) for current and future site uses.
- 9 ▪ A basis for determining remedial actions.
- 10 ▪ A basis for setting remediation goals for contaminants of concern.
- 11 ▪ A basis for comparing various remedial alternatives.

12
13 The approach to evaluating potential human health risk is divided into two separate phases. The
14 Phase 1 screening step consists of the comparison of PCB concentrations in soil and sediment to
15 screening risk-based concentrations (SRBCs) to determine which areas require further
16 investigation (i.e., a more comprehensive BHHRA) and which areas can be eliminated because
17 they are not likely to pose a significant risk (i.e., PCB concentrations less than the SRBCs).
18 SRBCs were developed for direct contact exposures (incidental ingestion and dermal contact) to
19 PCBs in soil and sediment for all applicable exposure scenarios. Phase 2 will be a more
20 comprehensive analysis that will include an evaluation of direct contact exposure for those areas
21 not eliminated in the Phase 1 screening process, as well as an evaluation of risks associated with
22 other exposures including, but not limited to, the consumption of agricultural products,
23 consumption of duck and other waterfowl, consumption of fish, and exposure to surface water.

* Rest of River includes the river and its floodplain from the confluence of the East and West Branches of the Housatonic River down through Connecticut.

1 The Phase 1 screening step is necessary due to the large area and number of properties in the
2 Housatonic River floodplain that have been contaminated to some degree with PCBs from the
3 GE Pittsfield facility. To focus on the more significant areas of contamination, a conservative,
4 health-protective screening method was developed as a basis for eliminating areas not expected
5 to pose a potential health risk from direct contact exposure. The general approach is presented in
6 Figure 1-1.

7 **1.2 TECHNICAL APPROACH**

8 Various activities are known to occur along the Housatonic River that may result in potential
9 human exposure to PCB-contaminated soil (floodplain and riverbank) and sediment. For
10 screening, the types of potential exposures resulting from such activities have been divided into
11 the following four major categories:

- 12 ▪ **Residential Exposure**—Residents may be exposed to floodplain and riverbank soil
13 and sediment during daily activities on their properties.
- 14 ▪ **Recreational Exposure**—Recreational visitors may be exposed to floodplain and
15 riverbank soil and sediment through typical recreational activities such as hunting,
16 fishing, canoeing, wading, hiking, and picnicking.
- 17 ▪ **Agricultural Exposure**—Farmers may be exposed to PCB-contaminated floodplain
18 soil while tilling, planting, maintaining, or harvesting crops.
- 19 ▪ **Commercial/Industrial Exposure**
 - 20 – **Utility Worker Exposure**—A number of areas within the floodplain have utility
21 easements. Utility workers may be exposed to floodplain and riverbank soils
22 during activities such as maintenance or installation of new equipment.
 - 23 – **Groundskeeper Exposure**—Groundskeepers may be exposed to floodplain soil
24 along the Housatonic River while conducting such activities as lawn or garden
25 maintenance.

26 PCB concentrations in soil and sediment at sampling locations along the Housatonic River were
27 compared with medium-specific (i.e., soil and sediment) SRBCs that have been developed based
28 on information and assumptions about current land uses (i.e., residential, recreational,
29 agricultural, and commercial/industrial). These SRBCs incorporate conservative estimates of
30 potential exposure so that areas with PCB concentrations below the SRBCs can be eliminated

1 from further consideration in the risk assessment. The initial screening analysis involves the
2 comparison of the maximum PCB concentration detected in a given medium with a medium-
3 specific SRBC appropriate for the specific land use. Based on the results of the initial screening,
4 this analysis may also include a comparison of the 95% upper confidence limit of the mean (95%
5 UCL) with the SRBC. If the 95% UCL was less than the SRBC, potential exposure to that
6 particular medium at that property for the relevant land use was eliminated from further
7 consideration in the risk assessment process. However, any additional information collected
8 during the Phase 2 investigation that calls into question the results of the screening will be
9 considered justification for possible further investigation.

10 Different sampling and screening approaches were used based on the level of contamination and
11 the land uses found in the different reaches of the river. Reaches 5 and 6 extend from the
12 confluence of the East and West Branches of the Housatonic River downstream to and including
13 Woods Pond. Floodplain soil screening in Reaches 5 and 6 was conducted on a tax-parcel-by-
14 tax-parcel basis because of the relatively high levels of PCB contamination, the residential land
15 use in these reaches, and the need to be able to make decisions for each property. Similarly,
16 potential contact with riverbank soil and sediment was also evaluated on a tax-parcel-by-tax-
17 parcel basis, although in some cases sediment and riverbank exposure was evaluated over several
18 contiguous tax parcels if potential exposure patterns seemed likely to encompass several
19 properties.

20 From the Woods Pond Dam downstream to and including Rising Pond (Reaches 7 and 8), the
21 Phase 1 screening differs from the approach taken in Reaches 5 and 6 in that much larger
22 exposure areas were included in each screening evaluation. The exceptions to this are the current,
23 high-contact residential properties, which were screened on a tax-parcel basis as was done in
24 Reaches 5 and 6. Larger exposure areas, including those primarily used for recreational and
25 commercial/industrial purposes, could be evaluated because of the lower PCB concentrations
26 found in floodplain soil downstream of Woods Pond. Because sediment PCB concentrations
27 were also significantly lower downstream of Woods Pond and tended to exceed screening
28 criteria only at certain impoundment areas, potential exposure to sediment was evaluated based
29 on proximity to impoundment areas.

1 The PCB sampling program was designed with the intent to sample floodplain soils on every
2 property at least once from the confluence of the East and West Branches of the Housatonic
3 River down to Rising Pond (Reaches 5 through 8). This was accomplished for the vast majority
4 of properties; however, in some cases, access to the property for sampling was denied.

5 The Phase 1 screening process was conducted for Reach 9 (downstream of Rising Pond to the
6 Connecticut border) over the entire reach for floodplain and riverbank soil and sediment because
7 an investigation of the data indicated that there were few PCB concentrations in soil and
8 sediment throughout the reach that exceeded the most conservative SRBCs (2 mg/kg). Given
9 these differences in contamination and the subsequent differences in the approach to screening,
10 the evaluations of Reaches 5 and 6, Reaches 7 and 8, Reach 9, and south into Connecticut are
11 presented separately in this report.

12 **1.3 REPORT ORGANIZATION**

13 The remainder of this report is organized into Sections 2 through 8 as follows:

- 14 ▪ Section 2 is a detailed presentation of the Site Screening Approach used to establish
15 the SRBCs and evaluate the sample data.
- 16 ▪ Section 3 presents the screening results for each tax parcel in Reaches 5 and 6 (from
17 the confluence of the East and West Branches downstream to and including Woods
18 Pond).
- 19 ▪ Section 4 presents the screening results for Reaches 7 and 8 (from below Woods Pond
20 Dam downstream to and including Rising Pond).
- 21 ▪ Section 5 presents the screening results for Reach 9 (below Rising Pond downstream
22 to the Connecticut border).
- 23 ▪ Section 6 presents the screening results for the State of Connecticut (to be provided).
- 24 ▪ Section 7 evaluates the impact of potential future land use changes on the results of
25 the screening process for each property or exposure area that has a reasonable
26 potential to change to a more stringent land use.
- 27 ▪ Section 8 evaluates the effects of GE data on Phase 1 screening.
- 28 ▪ Section 9 presents the list of references used in the Phase 1 report.

29 The figures for this report are included in a separate volume.

1 **2. SITE SCREENING APPROACH**

2 **2.1 OBJECTIVES AND RATIONALE**

3 The primary objective of the Phase 1 evaluation is to identify areas that will not require a
4 comprehensive BHHRA (for direct-contact exposure) and thereby allow for a more defined focus
5 on those areas with potentially significant contamination levels. To accomplish this objective, a
6 conservative screening method was developed that eliminates areas not expected to pose a
7 significant health risk. The general approach is presented in Figure 1-1. The following
8 subsections provide a detailed description of the steps involved in the Phase 1 site screening
9 approach:

- 10 ▪ Data Evaluation (Subsection 2.2)
- 11 ▪ Dose-Response Assessment (Subsection 2.3)
- 12 ▪ Exposure Assessment (Subsection 2.4)
- 13 ▪ Development of Screening Risk-Based Concentrations (SRBCs) (Subsection 2.5)
- 14 ▪ Site Screening Methodology (Subsection 2.6)

15
16 This screening evaluation was based on current land use and reasonable assumptions on potential
17 future land use. A separate analysis was performed to evaluate the impact of potential future
18 changes to land use classifications (see Section 7).

19 **2.2 SAMPLING STRATEGY AND DATA EVALUATION**

20 The overall sampling strategy for PCBs in floodplain and riverbank soil and sediment is
21 presented in the SIWP (WESTON, 02-0198). The SIWP describes the transect sampling
22 approach as well as the initial strategy for human health-related sampling and other sampling
23 programs. In addition to using all applicable sampling results from the programs described in the
24 SIWP, the Phase 1 evaluation also includes data from sample locations selected by U.S. EPA and
25 Massachusetts Department of Environmental Protection (MDEP) during the course of the Phase
26 1 evaluation. These samples were identified through an iterative process by the agencies in
27 which additional locations were selected based on the likelihood of exposure, the degree of
28 contamination, and the need to fill data gaps. The results from each round of additional Phase 1
29 PCB sampling were reviewed by the agencies and decisions on the need for and location of

1 additional samples were determined. It should be noted that only EPA/USACE-collected data
2 were used in the primary Phase 1 evaluation. GE-collected data are evaluated separately in
3 Section 8.

4 The data used in the Phase 1 screening evaluation met all data quality objectives (DQOs),
5 including appropriate validation as described in the Final Quality Assurance Project Plan
6 (QAPP) (WESTON, 00-0477). The Phase 1 screening focused on surface soils and sediments
7 because of the greater likelihood of human exposure to surface soils and sediments compared to
8 exposure to those at greater depths. The floodplain and riverbank soil data used in the evaluation
9 were collected from the top foot of soil (0 to 1 ft below ground surface [bgs]). The sediment data
10 used were collected from the top 6 inches of sediment (0 to 6 in bgs). The only exception is some
11 of the industrial scenarios where the potential exists for subsurface exposure during utility
12 maintenance operations. In these cases, depths to 6 ft bgs were used.

13 PCB samples collected from floodplain and riverbank soil and sediment were grouped according
14 to tax parcel, land use designation, exposure area, or contamination level, depending on the
15 stretch of the river being evaluated. These data were summarized statistically to obtain the
16 maximum detected PCB concentration and, if necessary, the 95% UCL in each medium at each
17 area.

18 The following guidelines for data reduction were used to produce the data summaries for each
19 medium at each area. These approaches are consistent with *Risk Assessment Guidance for*
20 *Superfund (RAGS), Volume 1, Human Health Evaluation Manual (Part A)* (EPA, 99-0002).

- 21 ▪ Chemical data with “J” qualifiers were assumed to be positive identifications within
22 any medium. “J” qualifiers may be assigned for a variety of reasons, but most
23 commonly indicate that the numerical value is an estimated concentration below the
24 minimum confident quantitation limit or the sample quantitation limit (SQL).
- 25 ▪ Chemical data with “U” or “UJ” qualifiers represent nondetected samples for the
26 parameter evaluated. A numerical value of one-half the sample quantitation limit was
27 used for each nondetected sample when calculating the summary statistics.
- 28 ▪ If a sample duplicate was collected and analyzed, the two samples were considered as
29 one data point based on the following criteria:

- 1 – If both sample values were detected concentrations or if both samples were
 2 nondetected samples, the averaged value of the two samples was used in
 3 subsequent calculations, unless the relative difference between the two samples
 4 was equal to or greater than 50%, in which case the higher of the two values was
 5 used.
- 6 – If one of the sample values was a detected concentration and the other was
 7 nondetected, the detected value was used in subsequent calculations.

8 In areas that had maximum detected PCB concentrations greater than the applicable SRBC, the
 9 95% UCL was calculated as an additional comparison to the SRBC in the overall screening
 10 process. Prior to the calculation of the 95% UCL, site data were evaluated by the Shapiro-Wilk
 11 W-test to determine whether data were normally or lognormally distributed, after which the
 12 appropriate summary statistics were determined. The calculation of the arithmetic means
 13 included the positive identifications (i.e., detects) plus the nondetects at one-half the sample
 14 quantitation limit. The 95% UCL was calculated in accordance with EPA guidelines presented in
 15 *Supplemental Guidance to RAGS: Calculating the Concentration Term* (99-0003). A sample size
 16 of 5 (n=5) was used as the minimum number for calculation of the 95% UCL. The appropriate
 17 formula (dependent on the type of distribution) was used to estimate the 95% UCL. The formulas
 18 are as follows:

19 *Lognormal Distribution*

20
$$UCL = e^{(\bar{x} + 0.5s^2 + sH / \sqrt{n-1})}$$

21 Where:

- UCL = 95% upper confidence limit of the arithmetic mean
- e = Constant (base of the natural log, equal to 2.718)
- x = Arithmetic mean of the log-transformed data
- s = Standard deviation of the log-transformed data
- H = H-statistic, determined from the standard deviation and sample size
- n = Sample size for contaminant in the designated media set

22 *Normal Distribution*

23
$$UCL = \bar{x} + t(s / \sqrt{n})$$

24 Where:

- UCL = 95% upper confidence limit of the arithmetic mean
- x = Arithmetic mean of the untransformed data
- s = Standard deviation of the untransformed data

t = Student-*t* statistic
n = Sample size for contaminant in the designated media set

1 2.3 DOSE-RESPONSE ASSESSMENT

2 Cancer-based SRBCs were developed from the current oral cancer slope factor (CSF) for PCBs
3 of 2 (mg/kg-day)⁻¹ (EPA Substance File List Integrated Risk Information System, 99-0011). A
4 CSF for dermal carcinogenicity of PCBs has not been issued by EPA. To evaluate exposure to
5 PCBs through this route, a gastrointestinal absorption factor for PCBs of 100% was applied to
6 the oral CSF (99-0002), resulting in a CSF equivalent to the oral CSF of 2 (mg/kg-day)⁻¹.

7 Noncancer SRBCs were based on the chronic oral reference dose (RfD) for Aroclor-1254 of
8 2E-05 mg/kg-day (EPA Substance File List Integrated Risk Information System, 99-0011). The
9 dermal RfD was assumed to be equivalent to the oral RfD, assuming 100% GI tract absorption.
10 For conservatism, less than chronic exposures were evaluated with the chronic RfD.

11 2.4 EXPOSURE ASSESSMENT

12 Various human activities may result in human exposure to PCB-contaminated floodplain and
13 riverbank soil and sediment. (Exposure to surface water of the Housatonic River may also result
14 from these activities; however, because of the constantly changing nature of exposure to surface
15 water in a river, surface water exposure will not be included in Phase 1. Exposure to surface
16 water will be evaluated in Phase 2.) As described in Section 1, four categories of potential
17 exposures were considered:

- 18 ▪ Residential Exposure
- 19 ▪ Recreational Exposure
- 20 ▪ Agricultural Exposure
- 21 ▪ Commercial/Industrial Exposure – groundskeeper and utility worker

22
23 Conservative exposure assumptions were developed for these potential activities for the purpose
24 of the Phase 1 assessment. These exposure assumptions were used in conjunction with the dose-
25 response information described in the previous subsection to develop SRBCs.

26 Guidance for development of the SRBCs was obtained from the EPA *Human Health Evaluation*
27 *Manual, Part B: Development of Risk-Based Preliminary Remediation Goals* (99-0090) and EPA

1 *Region 9 Preliminary Remediation Goals (99-0057)*. The algorithms were modified according to
2 site-specific information, updated exposure information from the EPA *Exposure Factors*
3 *Handbook (99-0007)*, and professional judgment. The SRBC algorithms and exposure inputs are
4 presented by exposure scenario in the following subsection.

5 **2.5 DEVELOPMENT OF SCREENING RISK-BASED CONCENTRATIONS**

6 SRBCs were calculated for floodplain and riverbank soil and sediment for the residential,
7 recreational, agricultural, and commercial/industrial exposure scenarios based on direct contact
8 exposure (incidental ingestion and dermal absorption). Separate SRBCs were developed for
9 cancer and noncancer endpoints, with noncancer effects evaluated separately for a young child
10 and an adult. Age-adjusted (child/adult) lifetime cancer risks were evaluated over a 30-year
11 exposure duration for each exposure scenario, with the exception of the commercial/industrial
12 worker.

13 Separate SRBCs for the residential and recreational users were developed based on “low-
14 contact” or “high-contact” exposures (see Subsections 2.5.1 and 2.5.2). Each SRBC was based
15 on an integration of soil or sediment ingestion and dermal contact pathways. The method for this
16 integration is discussed in Subsection 2.5.5. SRBCs were developed for the following land use
17 classifications and respective receptors and media:

- 18 ▪ **Residential, Low-Contact**—Child, adult; floodplain and riverbank soil and
19 sediment.
- 20 ▪ **Residential, High-Contact**—Child, adult; floodplain and riverbank soil and
21 sediment.
- 22 ▪ **Recreational, Low-Contact**—Child, adult; floodplain and riverbank soil and
23 sediment.
- 24 ▪ **Recreational, High-Contact**—Child, adult; floodplain and riverbank soil and
25 sediment.
- 26 ▪ **Agricultural**—Child, adult; floodplain soil.
- 27 ▪ **Commercial/Industrial—Utility Worker**—Adult; floodplain and riverbank soil.
- 28 ▪ **Commercial/Industrial—Groundskeeper**—Adult; floodplain soil.

1 The target cancer risks (TR) used to calculate the scenario-specific SRBCs ($\leq 5 \times 10^{-6}$) are at the
2 low end of the EPA acceptable risk range for cancer (1×10^{-4} to 1×10^{-6}). The target hazard
3 quotient (THQ) for noncancer effects is at the level below which no adverse health effects are
4 expected to occur (Hazard Quotient = 1).

5 **2.5.1 Residential**

6 **2.5.1.1 Floodplain Soil**

7 Based on the Performance Standards in the Consent Decree, a maximum soil PCB concentration
8 of 2 mg/kg was identified as the level at which a residential property is to be referred to GE for a
9 more detailed evaluation if the area of contamination is an “Actual/Potential Lawn” area. An
10 Actual/Potential Lawn area will be referred to in this report as a high-contact residential area.
11 Consistent with the definition of Actual/Potential Lawns in the Consent Decree, high-contact
12 residential areas generally include all portions of a residential property in the floodplain, except
13 inundated wetlands and steep slopes or banks. This would include portions of a riverbank that are
14 highly accessible and are not inundated wetlands, steep slopes, or banks.

15 The 2-mg/kg PCB concentration is also the MDEP generic Method 1 soil cleanup standard for
16 PCBs in residential areas. The EPA and MDEP consider the 2-mg/kg level protective of cancer
17 and noncancer health effects for young children and adults who may be exposed to contaminated
18 soil while playing, gardening, or doing lawn work. In making this determination, EPA (00-0387)
19 assumed that residents are exposed to soil from ingestion and dermal absorption 5 days per week
20 for 7 months of the year (May through November) when the ground is not frozen or snow
21 covered. The child was assumed to be 1 to 6 years old (with an exposure duration of 6 years); the
22 adult was assumed to have an exposure duration of 30 years, including 6 years as a child.
23 Standard body weights of 15 kg and 70 kg were used for the child and adult, respectively.

24 Those portions of residential properties not considered high-contact residential areas (i.e.,
25 inundated wetlands and steep slopes or banks) were treated as low-contact residential areas.
26 These areas were assumed to have an exposure potential similar to high-contact recreational
27 areas. Residential low-contact floodplain soil exposure was defined as 3 days of exposure per
28 week for 7 months of the year (i.e., 84 days per year). It was assumed that a child and an adult

1 can visit those portions of a residential property considered low-contact residential. The child
2 was assumed to be 1 to 6 years old with an exposure duration of 6 years. For purposes of
3 calculating the age-adjusted cancer SRBCs, the adult exposure duration was assumed to be 24
4 years. When calculating the noncancer SRBCs, the adult was assumed to have an exposure
5 duration of 30 years. Carcinogenic averaging time (AT_c) for the age-adjusted child/adult was
6 assumed to be 25,550 days (i.e., 70 years x 365 days per year). Standard body weights of 15 kg
7 and 70 kg were used for the child and adult, respectively.

8 The soil ingestion rates (IRSoil) were assumed to be 200 mg per day (child) and 100 mg per day
9 (adult). For dermal contact, the child was assumed to have an exposed skin surface area of 2,900
10 cm^2 per day (equating to the 50th percentile values for head, forearms, hands, lower legs, and
11 feet) (EPA *Risk Assessment Guidance for Superfund*, 99-0123). The 50th percentile surface area-
12 weighted soil adherence factor was estimated as 0.2 mg per cm^2 for a child playing in wet soil
13 (99-0123). For the adult, the skin surface area was assumed to be 5,700 cm^2 per day (equating to
14 the 50th percentile values for head, forearms, hands, lower legs, and feet) (99-0123). The 50th
15 percentile surface area-weighted adherence factor for the adult was estimated as 0.01 mg per cm^2
16 (adult soccer player) (99-0123). A dermal absorption factor of 0.14 was used for PCBs for both
17 high- and low-contact calculations (99-0123).

18 **2.5.1.2 Low-Contact Riverbank Soil and Low- and High-Contact Sediment**

19 Riverbank soil and sediment exposure for each residential site was designated as high- or low-
20 contact, depending on site-specific information about its current use or potential future use.
21 High-contact exposure in areas of residential use is differentiated from low-contact exposure by
22 accessibility and exposure frequency. High-contact residential riverbank soil is treated the same
23 as high-contact residential floodplain soil and is described in Subsection 2.5.1.1.

24 For low-contact riverbank soil exposure and low- and high-contact sediment exposure, SRBCs
25 were calculated based on conservative assumptions. Low-contact residential exposure to
26 riverbank soil and sediment was defined as 2 days of exposure per week for 7 months of the year
27 (i.e., 56 days per year). High-contact exposure to sediment was defined as 84 days per year (i.e.,
28 3 days of exposure per week for 7 months of the year). For each of these media, soil ingestion

1 and dermal contact exposures were evaluated. SRBCs were then calculated by integrating the
2 two exposure pathways.

3 It was assumed that a child and an adult can be exposed to low-contact riverbank soil and
4 sediment. The child was assumed to be 1 to 6 years old with an exposure duration of 6 years. For
5 purposes of calculating the age-adjusted SRBCs, the adult exposure duration was assumed to be
6 24 years for a total of 30 years. The adult was assumed to have an exposure duration of 30 years
7 when calculating the noncancer SRBCs. AT_c for the age-adjusted child/adult was assumed to be
8 25,550 days (i.e., 70 years x 365 days per year). Standard body weights of 15 kg and 70 kg were
9 used for the child and adult, respectively.

10 The riverbank soil (IRSoil) and sediment ingestion rates (IRSed) were assumed as 200 mg/day
11 (child) and 100 mg/day (adult), respectively. For dermal contact (99-0123), the child was
12 assumed to have an exposed skin surface area of 2,900 cm² per day (equating to the 50th
13 percentile values for head, forearms, hands, lower legs, and feet). The 50th percentile surface
14 area-weighted soil adherence factor was estimated as 0.2 mg per cm² for a child playing in wet
15 soil. For the adult, the skin surface area was assumed to be 5,700 cm² per day (equating to the
16 50th percentile values for head, forearms, hands, lower legs, and feet). The 50th percentile surface
17 area-weighted soil adherence factor for the adult was estimated as 0.01 mg per cm². The 50th
18 percentile surface area-weighted sediment adherence factor for both the child and adult was
19 estimated as 0.3 mg per cm². A dermal absorption factor of 0.14 was used for PCBs for both
20 high- and low-contact calculations.

21 Noncancer exposure assumptions are the same as those used for the cancer-based SRBCs, except
22 that the averaging time (AT_{nc}) was adjusted for the actual duration (exposure duration x 365 days
23 per year), and the route-specific RfD was incorporated in the equation.

24 The models for calculating age-adjusted cancer-based SRBCs for floodplain and riverbank soil
25 and sediment associated with residential use are presented in Table 2-1. The age-adjusted factors
26 for soil ingestion and dermal contact are presented in Tables 2-2 and 2-3, respectively. Child and
27 adult noncancer algorithms for direct contact with soil and sediment are presented in Table 2-4.

Table 2-1

**Models for Age-Adjusted Cancer SRBCs for Floodplain and Riverbank
Soil and Sediment Exposure
Residential and Recreational Uses - High and Low-Contact^a**

<i>Soil/Sediment Ingestion</i>		
$\text{SRBC (mg/kg)} = \frac{\text{TR} \times \text{AT}_c}{\text{EF} \times \text{IFS}_{\text{adj}} \times \text{CSF}_o \times \text{CF}}$		
<i>Dermal Contact with Soil/Sediment</i>		
$\text{SRBC (mg/kg)} = \frac{\text{TR} \times \text{AT}_c}{\text{EF} \times \text{SFS}_{\text{adj}} \times \text{ABS}_d \times \text{CSF}_d \times \text{CF}}$		
Parameter	Definition	Value
TR	Target cancer risk.	5.00E-06
AT _c	Averaging time – cancer (days).	25,550
EF	Exposure frequency – (days/year).	84 ^b 56 ^c
IFS _{adj}	Age-adjusted soil/sediment ingestion factor (mg-year/kg-day). See Table 2-2.	114
CSF _o	Oral cancer slope factor (mg/kg-day) ⁻¹ .	2.0
SFS _{soil-adj}	Age-adjusted soil contact factor (mg-year/kg-day). See Table 2-3.	252
SFS _{sed-adj}	Age-adjusted sediment contact factor (mg-year/kg-day). See Table 2-3.	934
ABS _d	Skin absorption factor (unitless).	0.14
CSF _d	Dermal cancer slope factor (mg/kg-day) ⁻¹ .	2.0
CF	Conversion factor (kg/mg).	1.00E-06

^a These assumptions do not include high-contact residential floodplain and riverbank exposure. The SRBC for high-contact residential floodplain and riverbank soil is 2 mg/kg. This is explained in more detail in Subsection 2.5.1.

^b An exposure frequency of 84 days/year was used when calculating the residential low-contact floodplain soil SRBC, the residential high-contact sediment SRBC, and the recreational high-contact SRBCs for floodplain soil, riverbank soil, and sediment.

^c An exposure frequency of 56 days/year was used when calculating the residential low-contact SRBCs for riverbank soil and sediment and the recreational low-contact SRBCs for floodplain soil, riverbank soil, and sediment.

Table 2-2

**Age-Adjusted Soil/Sediment Ingestion Factor
Residential and Recreational Uses**

$IFS_{adj} \text{ (mg - yr/kg - day)} = \frac{ED_c \times IRS_c}{BW_c} + \frac{ED_a \times IRS_a}{BW_a}$		
Parameter	Definition	Value
IFS_{adj}	Age-adjusted soil/sediment ingestion factor (mg-year/kg-day).	114
ED_c	Exposure duration – child (years).	6
ED_a	Exposure duration – adult (years).	24
$IRSoil_c$	Soil ingestion rate – child (mg/day).	200
$IRSed_c$	Sediment ingestion rate – child (mg/day).	200
$IRSoil_a$	Soil ingestion rate – adult (mg/day).	100
$IRSed_a$	Sediment ingestion rate – adult (mg/day).	100
BW_c	Body weight – child (kg).	15
BW_a	Body weight – adult (kg).	70

Table 2-3

**Age-Adjusted Soil/Sediment Contact Factor
Residential and Recreational Uses**

$\text{SFS}_{\text{adj}} \text{ (mg - yr/kg - day)} = \frac{\text{ED}_c \times \text{AF}_c \times \text{SA}_c}{\text{BW}_c} + \frac{\text{ED}_a \times \text{AF}_a \times \text{SA}_a}{\text{BW}_a}$		
Parameter	Definition	Value
SFS _{soil-adj}	Age-adjusted soil contact factor (mg-year/kg-day).	252
SFS _{sed-adj}	Age-adjusted sediment contact factor (mg-year/kg-day).	934
ED _c	Exposure duration – child (years).	6
ED _a	Exposure duration – adult (years).	24
AF _{soil-c}	Soil adherence factor – child playing (wet soil) (50 th percentile) (mg/cm ²).	0.2
AF _{soil-a}	Soil adherence factor – adult soccer player (50 th percentile) (mg/cm ²).	0.01
AF _{sed-c}	Sediment adherence factor – reed gatherers (50 th percentile) (mg/cm ²).	0.3
AF _{sed-a}	Sediment adherence factor – reed gatherers (50 th percentile) (mg/cm ²).	0.3
SA _c	Surface area exposed (head, forearms, hands, lower legs, and feet) – child (cm ² /day).	2,900
SA _a	Surface area exposed (head, forearms, hands, lower legs, and feet) – adult (cm ² /day).	5,700
BW _c	Body weight – child (kg).	15
BW _a	Body weight – adult (kg).	70

Table 2-4

**Models for Noncancer SRBCs for Floodplain and Riverbank
Soil and Sediment Exposure
Residential and Recreational Uses – High- and Low-Contact^a**

<i>Soil/Sediment Ingestion</i>		
$\text{SRBC (mg/kg)} = \frac{\text{THQ} \times \text{AT}_{\text{nc}} \times \text{BW}}{\text{EF} \times \text{ED} \times \text{IRS} \times 1/\text{RfD}_o \times \text{CF}}$		
<i>Dermal Contact with Soil/Sediment</i>		
$\text{SRBC (mg/kg)} = \frac{\text{THQ} \times \text{AT}_{\text{nc}} \times \text{BW}}{\text{EF} \times \text{ED} \times \text{AF} \times \text{SA} \times \text{ABS}_d \times 1/\text{RfD}_d \times \text{CF}}$		
Parameter	Definition	Value
THQ	Target hazard quotient.	1.0
AT _{nc-child}	Averaging time – noncancer – child (days).	2,190
AT _{nc-adult}	Averaging time – noncancer – adult (days).	10,950
BW _c	Body weight – child (kg).	15
BW _a	Body weight – adult (kg).	70
EF	Exposure frequency – (days/year).	84 ^b 56 ^c
ED _c	Exposure duration – child (years).	6
ED _a	Exposure duration – adult (years).	30
IRSoil _c	Soil ingestion rate - child (mg/day).	200
IRSed _c	Sediment ingestion rate – child (mg/day).	200
IRSoil _a	Soil ingestion rate – adult (mg/day).	100
IRSed _a	Sediment ingestion rate – adult (mg/day).	100
RfD _o	Oral reference dose (mg/kg-day).	2.0E-05
AF _{soil-c}	Soil adherence factor – child playing (wet soil) (50 th percentile) (mg/cm ²).	0.2
AF _{soil-a}	Soil adherence factor – adult soccer player (50 th percentile) (mg/cm ²).	0.01
AF _{sed-c}	Sediment adherence factor – reed gatherers (50 th percentile) (mg/cm ²).	0.3
AF _{sed-a}	Sediment adherence factor – reed gatherers (50 th percentile) (mg/cm ²).	0.3

Table 2-4

**Models for Noncancer SRBCs for Floodplain and Riverbank
Soil and Sediment Exposure
Residential and Recreational Uses – High- and Low-Contact^a
(Continued)**

Parameter	Definition	Value
SA _c	Surface area exposed (head, forearms, hands, lower legs, and feet) – child (cm ² /day).	2,900
SA _a	Surface area exposed (head, forearms, hands, lower legs, and feet) – adult (cm ² /day).	5,700
ABS _d	Skin absorption factor (unitless).	0.14
RfD _d	Dermal reference dose (mg/kg-day).	2.0E-05
CF	Conversion factor (kg/mg).	1.00E-06

^a These assumptions do not include high-contact residential floodplain and riverbank exposure. The SRBC for high-contact residential floodplain and riverbank soil is 2 mg/kg. This is explained in more detail in Subsection 2.5.1.

^b An exposure frequency of 84 days/year was used when calculating the residential low-contact floodplain soil SRBC, the residential high-contact sediment SRBC, and the recreational high-contact SRBCs for floodplain soil, riverbank soil, and sediment.

^c An exposure frequency of 56 days/year was used when calculating the residential low-contact SRBCs for riverbank soil and sediment and the recreational low-contact SRBCs for floodplain soil, riverbank soil, and sediment.

1 **2.5.2 Recreational**

2 The models for calculating cancer-based and noncancer-based SRBCs for recreational use areas
3 are similar to those used for the residential scenario, with the exception of high-contact
4 residential property floodplain and riverbank soil. Recreational SRBCs for floodplain soil were
5 developed in a manner similar to that for residential low-contact floodplain and riverbank soil
6 and sediment. The soil/sediment models for recreational use are presented in Tables 2-1 and 2-4,
7 for cancer and noncancer effects, respectively. Differences in exposure assumptions between
8 residential and recreational scenarios are noted in Tables 2-1 and 2-4. Algorithms for both
9 ingestion and dermal contact are presented.

10 For recreational areas, SRBCs for floodplain and riverbank soil and sediment were calculated for
11 each age group as low- or high-contact. Designation of low- or high-contact depends on site-
12 specific information about the use of an area. High-contact exposure in areas of recreational use
13 is differentiated from low-contact exposure by the accessibility and the likely degree of exposure
14 frequency. For example, recreational areas were typically designated as high-contact if there was
15 evidence of frequent use such as the existence of a boat launch, ball field, hiking trails, or
16 hunting or trapping activities at the location. Also, recreational areas in proximity to residential
17 areas were typically designated as high-contact on the premise that they could be attractive areas
18 for local children. Recreational areas were considered low-contact if they were heavily wooded
19 or wetlands, had little to no evidence of consistent use, and represented a less attractive option
20 for children and adults. It should be noted that the term “low-contact” is relative to “high-
21 contact.” That is, while it is called low-contact, it still represents a significant level of contact
22 based on the exposure assumptions used in its calculation. The relatively minor difference
23 between the two SRBCs (7 mg/kg versus 5 mg/kg) is an indication of how similar the exposure
24 assumptions are for these two recreational scenarios.

25 For floodplain and riverbank soil and sediment, high-contact exposure was defined as 84 days
26 per year (i.e., 3 days of exposure per week for 7 months of the year). Low-contact exposure was
27 defined as 2 days of exposure per week for 7 months of the year (i.e., 56 days per year). These
28 frequencies were judged to represent an upper range of the likely exposure frequencies during
29 the late spring, summer, and early fall periods.

1 It was assumed that both a child and an adult may visit recreational areas. The child was assumed
2 to be 1 to 6 years old with an exposure duration of 6 years. For purposes of calculating the age-
3 adjusted SRBCs, the adult exposure duration was assumed to be 24 years. The adult was
4 assumed to have an exposure duration of 30 years when calculating the noncancer SRBCs. The
5 averaging time-cancer (AT_c) for the age-adjusted child/adult was assumed to be 25,550 days
6 (i.e., 70 years x 365 days per year). Standard body weights of 15 kg and 70 kg were used for the
7 child and adult, respectively.

8 The soil (IRSoil) and sediment ingestion rates (IRSed), which are identical to the residential
9 scenarios, were assumed to be 200 mg/day for the child and 100 mg/day for the adult. For dermal
10 contact (99-0123), the child was assumed to have an exposed skin surface area of 2,900 cm² per
11 day (equating to the 50th percentile values for head, forearms, hands, lower legs, and feet). The
12 50th percentile surface area-weighted soil adherence factor was estimated as 0.2 mg per cm² for a
13 child playing in wet soil. For the adult, the skin surface area was assumed to be 5,700 cm² per
14 day (equating to the 50th percentile values for head, forearms, hands, lower legs, and feet). The
15 50th percentile surface area-weighted soil adherence factor for the adult was estimated as 0.01 mg
16 per cm². The 50th percentile surface area-weighted sediment adherence factor for both the child
17 and adult was estimated as 0.3 mg per cm². A dermal absorption factor of 0.14 was used for
18 PCBs for both high- and low-contact calculations.

19 Table 2-4 presents the soil/sediment ingestion and dermal contact SRBC models for noncancer-
20 based residential and recreational exposures. Exposure assumptions are the same as those used
21 for the cancer-based SRBCs, except the averaging time-noncancer (AT_{nc}) was adjusted for the
22 actual duration (exposure duration x 365 days per year), and the route-specific RfD was
23 incorporated in the equation in place of the CSF.

24 **2.5.3 Agricultural**

25 Agricultural areas were screened on the basis of soil ingestion and dermal contact with
26 floodplain soil by the child and adult. This screening does not include the potential for exposure
27 through other pathways such as vegetable ingestion and dairy product consumption from cows
28 raised on silage grown in floodplain soil or grazed in the floodplains. These pathways will be
29 evaluated separately as part of Phase 2 of the BHHRA.

1 The 2-mg/kg floodplain soil concentration applied in the high-contact residential scenario was
2 also applied in the agricultural scenario. This concentration provides an acceptable SRBC for
3 incidental soil ingestion and dermal contact with soil. In addition, for those agricultural areas that
4 might, at some point in the future, be developed into residential properties, the residential high-
5 contact SRBC (2 mg/kg) is an appropriate value.

6 **2.5.4 Commercial/Industrial**

7 Two categories of commercial/industrial use were evaluated in the risk assessment—the utility
8 worker and the commercial groundskeeper. Although other exposure scenarios are possible,
9 based on the exposure assumptions used in developing the SRBCs, these scenarios are
10 considered representative of a conservative exposure.

11 **2.5.4.1 Utility Worker**

12 The models for calculating cancer-based and noncancer-based SRBCs for the utility worker are
13 presented in Table 2-5. Soil ingestion and dermal contact exposures from riverbank and
14 floodplain soil were considered. The utility worker was assumed to be involved in easement
15 repair in contaminated areas of floodplain and riverbank soil for 5 days per year for 25 years
16 (Geraghty and Miller, 99-0336). The utility worker was assumed to weigh 70 kg. Because of the
17 likely heavy exposure to soil, a soil ingestion rate (IRSoil) of 200 mg/day was assumed. Dermal
18 exposure was assumed to include the head, forearms, and hands (3,300 cm² per day; 50th
19 percentile), and the surface area-weighted adherence factor was assumed to be 0.8 mg/cm² (95th
20 percentile-utility worker) (99-0123). A dermal absorption factor of 0.14 was used for PCBs. Like
21 the residential and recreational scenarios, the carcinogenic averaging time was assumed to be
22 25,550 days (i.e., 70 years x 365 days per year), and the noncancer averaging time was assumed
23 to be equal to the exposure duration (i.e., 25 years x 365 days).

Table 2-5

Models for Cancer and Noncancer Floodplain and Riverbank Soil SRBCs for the Utility Worker

<i>Soil Ingestion</i>		
Cancer		
$\text{SRBC (mg/kg)} = \frac{\text{TR} \times \text{AT}_c \times \text{BW}}{\text{EF} \times \text{ED} \times \text{IR}_{\text{Soil}} \times \text{CSF}_o \times \text{CF}}$		
Noncancer		
$\text{SRBC (mg/kg)} = \frac{\text{THQ} \times \text{AT}_{nc} \times \text{BW}}{\text{EF} \times \text{ED} \times \text{IR}_{\text{Soil}} \times 1/\text{RfD}_o \times \text{CF}}$		
<i>Dermal Contact with Soil</i>		
Cancer		
$\text{SRBC (mg/kg)} = \frac{\text{TR} \times \text{AT}_c \times \text{BW}}{\text{EF} \times \text{ED} \times \text{AF} \times \text{SA} \times \text{ABS}_d \times \text{CSF}_d \times \text{CF}}$		
Noncancer		
$\text{SRBC (mg/kg)} = \frac{\text{THQ} \times \text{AT}_{nc} \times \text{BW}}{\text{EF} \times \text{ED} \times \text{AF} \times \text{SA} \times \text{ABS}_d \times 1/\text{RfD}_d \times \text{CF}}$		
Parameter	Definition	Value
TR	Target cancer risk.	1.6E-06
THQ	Target hazard quotient.	1.0
AT _c	Averaging time –cancer (days).	25,550
AT _{nc}	Averaging time – noncancer (days).	9,125
BW	Body weight (kg).	70
EF	Exposure frequency (days/year).	5
ED	Exposure duration (years).	25

Table 2-5**Models for Cancer and Noncancer Floodplain and Riverbank Soil SRBCs
for the Utility Worker
(Continued)**

Parameter	Definition	Value
IRSoil	Soil ingestion rate (mg/day).	200
CSF _o	Oral cancer slope factor (mg/kg-day) ⁻¹ .	2.0
RfD _o	Oral reference dose (mg/kg-day).	2.0E-05
AF	Adherence factor (95 th percentile) (mg/cm ²).	0.8
SA	Surface area exposed (head, forearms, and hands) – gardener (50 th percentile) (cm ² /day).	3,300
ABS _d	Skin absorption factor (unitless).	0.14
CSF _d	Dermal cancer slope factor (mg/kg-day) ⁻¹ .	2.0
RfD _d	Dermal reference dose (mg/kg-day).	2.0E-05
CF	Conversion factor (kg/mg).	1.00E-06

2.5.4.2 Groundskeeper

The models for calculating cancer-based and noncancer-based SRBCs for sites where a commercial groundskeeper may be exposed are presented in Table 2-6. Soil ingestion and dermal contact exposures were evaluated only for floodplain soil, as a typical groundskeeper's activity is unlikely to result in significant exposures to riverbank soil or sediment. The groundskeeper was assumed to be an adult with a body weight of 70 kg and an exposure duration of 25 years. The groundskeeper was assumed to mow grass and perform other related activities in the floodplain area for 28 days per year during the late spring, summer, and early fall. Assuming this activity occurs over a 7-month period, this equates to an exposure frequency of 4 days per month (approximately 1 day per week) of exposure. The soil ingestion rate (IR_{Soil}) was assumed to be 50 mg of soil per day. Dermal exposure was assumed to include the head, forearms, and hands (50th percentile surface area estimated as 3,300 cm² per day), and the adherence factor was estimated as 0.1 mg/cm² (50th percentile for a commercial groundskeeper) (99-0123). A dermal absorption factor of 0.14 was used for PCBs. Like the residential and recreational scenarios, the carcinogenic averaging time was assumed to be 25,550 days (i.e., 70 years x 365 days per year), and the noncancer averaging time was assumed to be equal to the exposure duration (i.e., 25 years x 365 days).

2.5.5 Integrated SRBCs

SRBCs were estimated initially for each exposure pathway within a scenario and age group. Integrated medium-specific SRBCs were developed that were inclusive of all calculated exposure pathways for a given exposure scenario and were used in the site screening comparison. Table 2-7 presents the equation for calculating the integrated medium-specific SRBC through all applicable exposure pathways (Rosenblatt et al., 99-0097). The integrated SRBCs calculated for each applicable scenario were derived from the respective SRBCs for ingestion and dermal contact.

Table 2-6

**Models for Cancer and Noncancer Floodplain Soil SRBCs
for the Commercial Groundskeeper**

<i>Soil Ingestion</i>		
Cancer		
$\text{SRBC (mg/kg)} = \frac{\text{TR} \times \text{AT}_c \times \text{BW}}{\text{EF} \times \text{ED} \times \text{IRSoil} \times \text{CSF}_o \times \text{CF}}$		
Noncancer		
$\text{SRBC (mg/kg)} = \frac{\text{THQ} \times \text{AT}_{nc} \times \text{BW}}{\text{EF} \times \text{ED} \times \text{IRSoil} \times 1/\text{RfD}_o \times \text{CF}}$		
<i>Dermal Contact with Soil</i>		
Cancer		
$\text{SRBC (mg/kg)} = \frac{\text{TR} \times \text{AT}_c \times \text{BW}}{\text{EF} \times \text{ED} \times \text{AF} \times \text{SA} \times \text{ABS}_d \times \text{CSF}_d \times \text{CF}}$		
Noncancer		
$\text{SRBC (mg/kg)} = \frac{\text{THQ} \times \text{AT}_{nc} \times \text{BW}}{\text{EF} \times \text{ED} \times \text{AF} \times \text{SA} \times \text{ABS}_d \times 1/\text{RfD}_d \times \text{CF}}$		
Parameter	Definition	Value
TR	Target cancer risk.	1.1E-06
THQ	Target hazard quotient.	1.0
AT _c	Averaging time – cancer (days).	25,550
AT _{nc}	Averaging time – noncancer (days).	9,125
BW	Body weight (kg).	70
EF	Exposure frequency (days/year).	28
ED	Exposure duration (years).	25
IRSoil	Soil ingestion rate (mg/day).	50

Table 2-6**Models for Cancer and Noncancer Floodplain Soil SRBCs
for the Commercial Groundskeeper
(Continued)**

Parameter	Definition	Value
CSF _o	Oral cancer slope factor (mg/kg-day) ⁻¹ .	2.0
RfD _o	Oral reference dose (mg/kg-day).	2.0E-05
AF	Adherence factor – gardener (50 th percentile) (mg/cm ²).	0.1
SA	Surface area exposed (head, forearms, and hands) – gardener (50 th percentile) (cm ² /day).	3,300
ABS _d	Skin absorption factor (unitless).	0.14
CSF _d	Dermal cancer slope factor (mg/kg-day) ⁻¹ .	2.0
RfD _d	Dermal reference dose (mg/kg-day).	2.0E-05
CF	Conversion factor (kg/mg).	1.00E-06

Table 2-7

Model for Medium-Specific Integrated SRBCs* through Combined Oral and Dermal Exposure Pathways

$$SRBC_{int} = [(SRBC_{ing})^{-1} + (SRBC_{der})^{-1}]^{-1}$$

Where:

SRBC_{int} = Medium-specific integrated screening risk-based concentration for all pathways combined (mg/kg).

SRBC_{ing} = Medium-specific screening risk-based concentration for ingestion (mg/kg).

SRBC_{der} = Medium-specific screening risk-based concentration for dermal contact (mg/kg).

Method of Rosenblatt et al. (1982) (99-0097)

*Medium-specific integrated SRBCs were calculated separately for floodplain and riverbank soil and sediment.

1 **2.5.6 Integrated SRBC Results**

2 Medium-specific integrated SRBCs (through combined oral and dermal exposure pathways)
3 were developed based on cancer risk and noncancer health effects. Table 2-8 summarizes the
4 integrated SRBCs by exposure scenario, age group, toxicity type (cancer or noncancer), and
5 medium. For screening, the lowest of each medium-specific integrated SRBC for each scenario
6 was used to compare to PCB concentrations.

7 **2.6 SITE SCREENING METHODOLOGY**

8 Land uses were designated as residential, recreational, agricultural, or commercial/industrial. The
9 most conservative of the integrated SRBCs for each scenario and medium were compared with
10 site-related PCB concentrations. If the exposure point concentration (EPC) in any medium at a
11 given site exceeded its medium-specific integrated SRBC, the site was retained for additional
12 evaluation in Phase 2 of the risk assessment. (For the remainder of the report, the term
13 “integrated” is assumed to apply to all discussions about SRBCs.)

14 **2.6.1 Residential Exposure**

15 **2.6.1.1 Floodplain Soil**

16 Figure 2-1A illustrates the site screening procedure for residential floodplain soil. Based on the
17 potential exposure, each residential property was classified as either high or low-contact. A high-
18 contact residential area was defined as the total residential area in the floodplain except for
19 inundated wetlands and steep slopes or banks. If the maximum detected floodplain soil PCB
20 concentration was less than the appropriate low- or high-contact SRBC, then no further
21 evaluation was necessary. This also applies to high-contact residential riverbank soil. The SRBC
22 for high-contact residential floodplain soil is 2 mg/kg, as noted in the Consent Decree (00-0388).
23 If the maximum detected value in a current high-contact residential area exceeded the 2-mg/kg
24 benchmark, the site will be referred to GE for further analysis. If the 2-mg/kg benchmark was
25 exceeded on a high-contact, residentially zoned but undeveloped property, it was retained for
26 evaluation in Phase 2.

Table 2-8

Summary of Integrated SRBCs

Scenario/Receptor	Screening Risk-Based Concentration (SRBC)		
	Floodplain Soil (mg/kg)	Riverbank Soil ^a (mg/kg)	Sediment (mg/kg)
Residential – Low-Contact^b			
Child – Noncancer	5	7	6
Child/Adult Age-Adjusted – Cancer	5	8	5
Adult – Noncancer	56	85	27
Residential – High-Contact			
Child – Noncancer	2	2	4
Child/Adult Age-Adjusted – Cancer	2	2	3
Adult – Noncancer	2	2	18
Recreational – Low-Contact			
Child – Noncancer	7	7	6
Child/Adult Age-Adjusted – Cancer	8	8	5
Adult – Noncancer	85	85	27
Recreational – High-Contact			
Child – Noncancer	5	5	4
Child/Adult Age-Adjusted – Cancer	5	5	3
Adult – Noncancer	56	56	18
Agricultural			
Adult – Cancer	2	NA	NA
Commercial/Industrial – Utility Worker			
Adult – Cancer	20	20	NA
Adult – Noncancer	221	221	NA
Commercial/Industrial – Groundskeeper			
Adult – Cancer	20	NA	NA
Adult – Noncancer	250	NA	NA

^aHigh-contact residential riverbank soil is evaluated in the same manner as high-contact residential floodplain soil, and is included as part of the high-contact residential property.

^bLow-contact residential floodplain soil includes inundated wetlands and steep slopes or banks.

1 For a low-contact residential floodplain area (i.e., inundated wetlands and steep slopes or banks),
2 the low-contact residential SRBC of 5 mg/kg was used for screening. If the maximum detected
3 PCB concentration in floodplain soils exceeded 5 mg/kg, the EPC (i.e., the 95% UCL or the
4 maximum detected value, whichever was lower) was calculated. If the EPC was less than the
5 SRBC, no further analysis was necessary. If the EPC exceeded its SRBC, the site was retained
6 for additional evaluation in Phase 2 of the risk assessment.

7 **2.6.1.2 Low-Contact Riverbank Soil**

8 The site screening approach for low-contact riverbank soil associated with a residential property
9 is illustrated in Figure 2-1B. If the riverbank soil was taken in an area considered a high-contact
10 residential area, it was evaluated as part of the high-contact residential property and screened
11 against the 2-mg/kg SRBC. For low-contact riverbank areas, the low-contact SRBC of 7 mg/kg
12 was used for screening.

13 If the maximum detected riverbank soil PCB concentration was less than the applicable low-
14 contact SRBC, then no further evaluation was necessary. If the maximum detected PCB
15 concentration in the riverbank soil exceeded the low-contact SRBC, the EPC (i.e., the 95% UCL
16 or the maximum detected concentration, whichever was lower) was calculated for individual
17 property riverbanks. If a likely riverbank contact location overlapped several properties,
18 riverbank samples from these contiguous properties were grouped to estimate an EPC for the
19 entire area. If the EPC was less than the selected SRBC, no further analysis was necessary. If the
20 EPC exceeded its SRBC, the site was retained for additional evaluation in Phase 2 of the risk
21 assessment.

22 **2.6.1.3 Sediment**

23 The screening approach for sediment associated with a residential property is shown in Figure
24 2-1B. Based on the likelihood of exposure to sediment, each residential property was classified
25 as either high or low-contact. These classifications were based on the accessibility to the
26 sediment (i.e., qualitative judgments of the likelihood that the sediment area of a residential
27 property has physical features that would allow an individual to contact sediment on a regular
28 basis). If the sediment was considered a high-contact area, a 3-mg/kg concentration for sediment

1 was used as the SRBC. If it was deemed to be a low-contact area, the low-contact SRBC of 5
2 mg/kg was used for screening.

3 If the maximum detected PCB concentration in the sediment of a given residential property was
4 less than its SRBC, no further evaluation was required. If the maximum detected PCB
5 concentration exceeded the SRBC, the EPC (i.e., the 95% UCL or the maximum detected value,
6 whichever was lower) was calculated for the individual property sediments. If a likely sediment
7 contact location overlapped several properties, sediment samples from these contiguous
8 residential properties were grouped to estimate an EPC for the entire area. If the EPC was less
9 than the SRBC, no further analysis of sediment exposure was necessary. If the EPC exceeded its
10 SRBC, the site was retained for additional evaluation in Phase 2 of the risk assessment.

11 **2.6.2 Recreational Exposure**

12 **2.6.2.1 Floodplain Soil**

13 Floodplain soil in recreational areas was evaluated as illustrated in Figure 2-2. After
14 determination of whether the recreational site represented a high- or low-contact area, the
15 appropriate SRBC value for high or low-contact (7 mg/kg or 5 mg/kg) was compared with the
16 maximum detected PCB concentration. If the maximum detected concentration was less than its
17 SRBC, no further evaluation was required. If it exceeded the SRBC, the EPC (i.e., the 95% UCL
18 or the maximum detected value, whichever was lower) was calculated. If the EPC was less than
19 the SRBC, no further analysis of floodplain soils was necessary. If the EPC exceeded its SRBC,
20 the site was retained for additional evaluation in Phase 2 of the risk assessment.

21 **2.6.2.2 Riverbank Soil and Sediment**

22 Once the determination of high or low-contact was made for an area, the appropriate SRBC (5 or
23 7 mg/kg for riverbank soil and 4 or 6 mg/kg for sediment) was compared with the maximum
24 detected riverbank soil and sediment concentrations (Figure 2-2). If the maximum detected
25 values were less than their respective SRBCs, no further analysis of the site was required. If the
26 maximum detected value exceeded the SRBC, the EPC (i.e., the 95% UCL or the maximum
27 detected value, whichever was lower) was calculated. If the EPCs of the riverbank soil and

1 sediment concentrations were less than the respective SRBCs, no further evaluation was
2 necessary. If the EPC exceeded its SRBC, the site was retained for additional evaluation in Phase
3 2 of the risk assessment.

4 **2.6.3 Agricultural Exposure**

5 Figure 2-3 illustrates the screening procedure used for floodplain soil associated with agricultural
6 uses. The maximum PCB concentration detected in floodplain soil was compared with an SRBC
7 of 2 mg/kg. If the maximum detected concentration was less than the SRBC, no further
8 evaluation of the site was required for direct contact exposures. If the maximum detected
9 concentration was greater than the SRBC, the EPC (i.e., the 95% UCL or the maximum detected
10 value, whichever was lower) was calculated. If the EPC was less than the SRBC, no further
11 evaluation was necessary. If the EPC exceeded its SRBC, the site was retained for additional
12 evaluation in Phase 2 of the risk assessment.

13 **2.6.4 Commercial/Industrial**

14 **2.6.4.1 Utility Worker Exposure**

15 Figure 2-4A illustrates the screening approach that was taken with the utility worker for exposure
16 to floodplain and riverbank soils. A single SRBC (20 mg/kg) was developed for the utility
17 worker, which was compared with the maximum detected PCB concentration for riverbank and
18 floodplain soil along utility easement areas. If the maximum detected PCB concentration was
19 less than the calculated SRBC, no further evaluation of the site soil was required. If the
20 maximum detected concentration exceeded the SRBC, the EPC (i.e., the 95% UCL or the
21 maximum detected value, whichever was lower) was calculated. If the EPC was less than the
22 SRBC, no further evaluation was necessary. If the EPC exceeded the SRBC, the site was retained
23 for additional evaluation in Phase 2 of the risk assessment.

24 **2.6.4.2 Groundskeeper Exposure**

25 Figure 2-4B illustrates the procedure followed for evaluating floodplain soil designated as a
26 potential exposure area for a commercial groundskeeper. If the maximum detected floodplain

1 soil concentration of PCBs was less than the SRBC (20 mg/kg), no further evaluation of site soil
2 was required. If the maximum detected concentration was greater than the SRBC, the EPC (i.e.,
3 the 95% UCL or the maximum detected value, whichever was lower) was calculated. If the EPC
4 was less than the SRBC, no further evaluation was required. If the EPC exceeded the SRBC, the
5 site was retained for additional evaluation in Phase 2 of the risk assessment.

3. REACH 5 AND 6 PHASE 1 SCREENING RESULTS

3.1 INTRODUCTION

Reaches 5 and 6 include floodplain soil, riverbank soil, and sediment from the confluence of the East and West Branches of the Housatonic River downstream to and including Woods Pond as shown in Figure 3-1. Because of differences in human exposure potential and the nature and extent of PCB contamination, floodplain soil data were evaluated on a tax-parcel basis, whereas riverbank soil and sediment data were evaluated by exposure area, which may cover more than one tax parcel. While both current and future land uses were considered in the screening process, the primary focus of this evaluation was on current land use. Section 7 presents an evaluation of future land use.

Subsection 3.2 presents the tax-parcel evaluation of floodplain soil. This subsection is subdivided by land use categories, i.e., residential, recreational, agricultural, and commercial/industrial. Within each land use category, the PCB concentrations in each tax parcel are compared to the appropriate SRBCs and the results of the Phase 1 screen are presented. The progression within each land use category starts at the most upstream location and proceeds downstream. The residential land use category is further subdivided into current, high-contact residential properties that are governed by the Consent Decree (00-0388), and all other current or zoned residential properties.

Subsection 3.3 presents the exposure area evaluation of riverbank soil and sediment. It is also subdivided by land use, but because exposure areas often include more than one land use, especially in the upper part of Reach 5, land uses are sometimes combined for this analysis. The evaluation of riverbank soil and sediment starts at the most upstream location and proceeds downstream.

For each tax parcel (Subsection 3.2) and exposure area (Subsection 3.3), the screening evaluation includes a figure showing the sampling locations and the 10-year floodplain delineation, as well as a table summarizing the applicable PCB concentration data and summary statistics. **Note:** In Volume II—Figures, the figures are arranged geographically, from upstream to downstream.

1 Therefore, in the tax parcel and exposure area descriptions, the references to the figures are not
2 necessarily sequential.

3 For purposes of the presentation of information on the figures, “property boundary” is used to
4 refer to the particular parcel for which sampling data are being featured on a particular figure,
5 and “parcel boundary” is used to define adjacent parcels for which data are being presented on
6 another figure.

7 Subsection 3.4 provides a comprehensive summary of the results of the Phase 1 screening
8 evaluation combining the screening results for all media. This section contains a summary table
9 (Table 3-154) that presents the screening results for each tax parcel for floodplain and riverbank
10 soil and sediment.

11 Tax parcel identifications (IDs) are used throughout the report for all high-contact residential and
12 exposure area analyses. For Pittsfield, the tax parcel IDs consist of map, block, and lot
13 designations (e.g., tax parcel 20-2-34, meaning tax map 20, block 2, and lot 34). In the towns of
14 Lee, Lenox, Stockbridge, and Great Barrington, the tax parcel IDs consist of map and lot
15 designations (e.g., tax parcel 2-3, meaning tax map 2, lot 3).

16 **3.2 FLOODPLAIN EXPOSURE**

17 **3.2.1 Residential Land Use**

18 Residents may be exposed to floodplain soil during daily activities on their individual properties.
19 The residential land use evaluation was separated into properties identified in the Consent
20 Decree (00-0388) as having actual or potential lawn area, referred to in this Phase 1 report as
21 high-contact residential areas, and other current or zoned residential properties without high-
22 contact areas in the floodplain. High-contact residential area generally includes all property in
23 the floodplain except inundated wetlands and steep slopes or banks. Areas with inundated
24 wetlands and steep banks are considered to represent low-contact residential exposure. It should
25 be noted that a residential parcel might be partly high-contact residential and partly low-contact
26 residential. In these instances, the Phase 1 screening was performed for both categories.

1 **3.2.1.1 High-Contact Residential Areas**

2 This subsection provides the screening evaluation of the residential properties with high-contact
3 residential floodplain soil. Consistent with the Performance Standards in the Consent Decree
4 (00-0388), PCB concentrations on current residential property identified as having high-contact
5 residential floodplain exposure (referred to as “actual or potential lawn” in the Consent Decree)
6 were compared to a maximum soil PCB concentration of 2 mg/kg. Reaches 5 and 6 have 12
7 residential properties meeting these criteria.

8 Of the 12 residential tax parcels identified as high-contact residential exposure areas, 8 had at
9 least one detected concentration of PCBs that exceeded 2 mg/kg. Table 3-1 lists the tax parcel ID
10 number, the town in which the tax parcel is located, the table and figure references, and the
11 results of the screening analysis. A discussion of each tax parcel is included below.

12 **3.2.1.1.1 Tax Parcel: I6-1-3**

13 Tax parcel I6-1-3 is zoned residential and is approximately 0.74 acre. Approximately 0.08 acre is
14 within the 10-year floodplain and is considered high-contact residential property. This property
15 does not border the river; therefore, there is no riverbank soil and sediment associated with this
16 property.

17 **Floodplain Soil**

18 Two floodplain soil samples (0 to 1 ft) were taken from areas designated as high-contact
19 residential. One of these samples had a detected PCB concentration. The detected PCB
20 concentration was 0.046 mg/kg. This concentration does not exceed the residential high-contact
21 floodplain soil SRBC of 2 mg/kg; therefore, this property was eliminated from further
22 consideration. Table 3-2 presents the results of the floodplain soil samples collected in tax parcel
23 I6-1-3. Figure 3-3 presents the locations of the floodplain soil samples collected from tax parcel
24 I6-1-3.

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Table 3-1

Summary of the Residential Floodplain Soil Phase 1 Screening Results

Tax Parcel ID	Town	Table/Figure Reference	Screening Result
<i>High-Contact Residential Areas</i>			
I6-1-3	Pittsfield	Table 3-2; Figure 3-3	Eliminated
I6-3-13 ^a	Pittsfield	Table 3-3; Figure 3-5	Transferred to GE
J6-2-1	Pittsfield	Table 3-4; Figure 3-6	Transferred to GE
J6-2-2	Pittsfield	Table 3-5; Figure 3-6	Transferred to GE
J6-3-1	Pittsfield	Table 3-6; Figure 3-6	Transferred to GE
J5-2-9; J5-2-10	Pittsfield	Table 3-7; Figure 3-7	Transferred to GE
J5-2-8	Pittsfield	Table 3-8; Figure 3-7	Transferred to GE
J5-2-7	Pittsfield	Table 3-9; Figure 3-7	Eliminated
J5-2-11 ^b	Pittsfield	Table 3-10; Figure 3-9	Transferred to GE
J4-8-5 ^c	Pittsfield	NA; Figure 3-11	Eliminated
29-5	Lenox	Table 3-11; Figure 3-25	Transferred to GE
9-17	Lenox	Table 3-12; Figure 3-38	Eliminated
<i>Low-Contact Residential Areas</i>			
I6-1-42	Pittsfield	Table 3-13; Figure 3-3	Retained
I6-1-2	Pittsfield	Table 3-14; Figure 3-3	Eliminated
I6-2-6	Pittsfield	Table 3-15; Figure 3-5	Eliminated
I6-3-13 ^a	Pittsfield	Table 3-16; Figure 3-5	Retained
I6-3-1	Pittsfield	Table 3-17; Figure 3-5	Retained
J6-2-11	Pittsfield	Table 3-18; Figure 3-6	Eliminated
J6-2-3 ^d	Pittsfield	NA; Figure 3-6	Eliminated
J5-2-5	Pittsfield	Table 3-19; Figure 3-9	Retained
J5-2-11 ^b	Pittsfield	Table 3-20; Figure 3-9	Retained
J5-2-4	Pittsfield	Table 3-21; Figure 3-9	Retained
J4-8-5 ^c	Pittsfield	Table 3-22; Figure 3-11	Eliminated
J4-8-8	Pittsfield	Table 3-23; Figure 3-11	Eliminated
J4-8-2	Pittsfield	Table 3-24; Figure 3-11	Eliminated
J4-8-10	Pittsfield	Table 3-25; Figure 3-11	Eliminated

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Table 3-1
Summary of the Residential Floodplain Soil Phase 1 Screening Results
(Continued)

Tax Parcel ID	Town	Table/Figure Reference	Screening Result
J4-3-7	Pittsfield	Table 3-26; Figure 3-12	Eliminated
J4-3-8	Pittsfield	Table 3-27; Figure 3-12	Eliminated
J4-3-9	Pittsfield	Table 3-28; Figure 3-12	Eliminated
J4-3-10	Pittsfield	Table 3-29; Figure 3-12	Eliminated
J4-3-11	Pittsfield	Table 3-30; Figure 3-12	Eliminated
J3-1-14	Pittsfield	Table 3-31; Figure 3-12	Retained
J3-1-13	Pittsfield	Table 3-32; Figure 3-12	Retained
J3-1-12	Pittsfield	Table 3-33; Figure 3-14	Retained
J3-1-11	Pittsfield	Table 3-34; Figure 3-14	Retained
J3-1-10	Pittsfield	Table 3-35; Figure 3-14	Eliminated
J3-1-9	Pittsfield	Table 3-36; Figure 3-14	Eliminated
J3-1-8	Pittsfield	Table 3-37; Figure 3-14	Eliminated
J3-2-2	Pittsfield	Table 3-38; Figure 3-15	Retained
J3-2-3	Pittsfield	Table 3-39; Figure 3-15	Retained
J3-2-4	Pittsfield	Table 3-40; Figure 3-15	Retained
J3-2-5	Pittsfield	Table 3-41; Figure 3-15	Retained
J3-2-6	Pittsfield	Table 3-42; Figure 3-15	Retained
K3-1-2	Pittsfield	Table 3-43; Figure 3-17	Retained
K2-1-10	Pittsfield	Table 3-44; Figure 3-18	Retained
K2-1-2	Pittsfield	Table 3-45; Figure 3-18	Eliminated
23-37	Lenox	Table 3-46; Figure 3-28	Eliminated
24-6	Lenox	Table 3-47; Figure 3-29	Retained
24-5	Lenox	Table 3-48; Figure 3-29	Retained
24-4	Lenox	Table 3-49; Figure 3-29	Retained
24-3	Lenox	Table 3-50; Figure 3-29	Retained
24-1	Lenox	Table 3-51; Figure 3-29	Retained

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Table 3-1
Summary of the Residential Floodplain Soil Phase 1 Screening Results
(Continued)

Tax Parcel ID	Town	Table/Figure Reference	Screening Result
18-85	Lenox	Table 3-52; Figure 3-32	Eliminated
9-18	Lenox	Table 3-53; Figure 3-38	Retained

Eliminated – eliminated from further consideration.

NA - not available

Retained – retained for further evaluation in Phase 2.

^a Tax parcel I6-3-13 includes areas in the floodplain that meet the high- and low-contact residential criteria; therefore, this tax parcel was evaluated as high-contact residential as well as low-contact residential.

^b Tax parcel J5-2-11 includes areas in the floodplain that meet the high- and low-contact residential criteria; therefore, this tax parcel was evaluated as high-contact residential as well as low-contact residential.

^c Tax parcel J4-8-5 includes areas in the floodplain that meet the high- and low-contact residential criteria; therefore, this tax parcel was evaluated as high-contact residential as well as low-contact residential. However, tax parcel J4-8-5 has very little area in the floodplain that meets the high-contact residential criterion. While no samples were collected in the high-contact residential area, nearby sampling results were less than 2 mg/kg; therefore, it was eliminated from further consideration as a high-contact residential property.

^d There is no floodplain soil data available for tax parcel J6-2-3 because of the lack of area in the 10-year floodplain; therefore, this tax parcel will be eliminated from consideration based on floodplain soil exposure. However, given its proximity to the confluence and the highly contaminated riverbank samples, this decision may be revisited in the Phase 2 evaluation. Exposure to riverbank soil and sediment was evaluated separately.

Table 3-2

**Floodplain Soil PCB Results for Tax Parcel I6-1-3
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 4.60E-02

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001258	5.03E-01	U	0.5 - 1
FL001258	4.60E-02	J	0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 3-3

1 **3.2.1.1.2 Tax Parcel: I6-3-13**

2 Tax parcel I6-3-13 is zoned residential and is approximately 1.8 acres. Approximately 1.0 acre
3 lies within the 10-year floodplain. Of the property that lies within the floodplain, 0.54 acre is
4 considered high-contact residential property and the remaining 0.46 acre is considered low-
5 contact residential property. The evaluation of the low-contact residential area is presented in
6 Subsection 3.2.1.2.

7 **Floodplain Soil**

8 Eight floodplain soil samples (0 to 1 ft) were taken from areas designated as high-contact
9 residential. Of these samples, six had detected PCB concentrations. The maximum detected PCB
10 concentration was 10.3 mg/kg. This concentration exceeds the residential high-contact floodplain
11 soil SRBC of 2 mg/kg; therefore, the high-contact residential area associated with this property
12 will be transferred to GE for further evaluation. Table 3-3 presents the results of the floodplain
13 soil samples collected from tax parcel I6-3-13. Figure 3-5 presents the locations of the floodplain
14 soil samples collected from tax parcel I6-3-13.

Table 3-3

**Floodplain Soil PCB Results for Tax Parcel I6-3-13
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.03E+01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000815	4.89E+00		0.5 - 1
FL000815	6.53E+00		0 - 0.5
FL001254	4.28E-01	J	0 - 0.5
FL001254	5.01E-01	U	0.5 - 1
FL001255	1.01E+00		0 - 0.5
FL001255	5.02E-01	U	0.5 - 1
FL001465	1.03E+01		0 - 0.5
FL001465	2.51E+00		0.5 - 1

J = estimated detected value

U = not detected at reported value

See Figure 3-5

1 **3.2.1.1.3 Tax Parcel: J6-2-1**

2 Tax parcel J6-2-1 is zoned residential and is approximately 0.49 acre. Approximately 0.07 acre
3 lies within the 10-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 areas designated as high-contact residential. All of these samples had detected PCB
8 concentrations. The maximum detected PCB concentration was 58.1 mg/kg. This concentration
9 exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore, this property
10 will be transferred to GE for further evaluation. Table 3-4 presents the results of the floodplain
11 soil samples collected from tax parcel J6-2-1. Figure 3-6 presents the locations of the floodplain
12 soil samples collected from tax parcel J6-2-1.

13

Table 3-4

**Floodplain Soil PCB Results for Tax Parcel J6-2-1
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 5.81E+01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000912	1.77E+01		0 - 0.5
FL000912	5.81E+01		0.5 - 1
FL000912*	4.64E+01		0.5 - 1
FL000913	1.63E+01		0 - 0.5
FL000913	1.45E+01		0.5 - 1

* = duplicate sample

See Figure 3-6

1 **3.2.1.1.4 Tax Parcel: J6-2-2**

2 Tax parcel J6-2-2 is zoned residential and is approximately 2.4 acres. Approximately 1.1 acres
3 lie within the 10-year floodplain and are considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Fifteen floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
7 from areas designated as high-contact residential property. Of these samples, 10 had detected
8 PCB concentrations. The maximum detected PCB concentration was 15.4 mg/kg. This
9 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
10 this property will be transferred to GE for further evaluation. Table 3-5 presents the results of the
11 floodplain soil samples collected from tax parcel J6-2-2. Figure 3-6 presents the locations of the
12 floodplain soil samples collected from tax parcel J6-2-2.

Table 3-5

**Floodplain Soil PCB Results for Tax Parcel J6-2-2
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.54E+01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000739	5.24E+00	J	0 - 0.5
FL000739	1.54E+01	J	0.5 - 1
FL000740	6.27E-01	J	0 - 0.5
FL000740*	6.10E-01	J	0 - 0.5
FL000740	2.74E-01	J	0.5 - 1
FL000741	5.03E-01	UJ	0 - 0.5
FL000741	5.00E-01	UJ	0.5 - 1
FL000742	5.40E-01	UJ	0 - 0.5
FL000742	5.00E-01	UJ	0.5 - 1
FL000743	5.05E-01	U	0 - 0.5
FL000743	5.03E-01	U	0.5 - 1
FL000744	4.78E-01	J	0.5 - 1
FL000744	1.09E+00		0 - 0.5
F0489608	1.19E+01	J	0.5 - 1
F0489608	8.30E+00	J	0 - 0.5
F0489609	5.61E+00	J	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-6

1 **3.2.1.1.5 Tax Parcel: J6-3-1**

2 Tax parcel J6-3-1 is zoned residential and is approximately 4.1 acres. Approximately 0.58 acre
3 lies within the 10-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Six floodplain soil samples (0 to 1 ft) were taken from areas designated as high-contact
7 residential. All of these samples had detected PCB concentrations. The maximum detected PCB
8 concentration was 26.8 mg/kg. This concentration exceeds the residential high-contact floodplain
9 soil SRBC of 2 mg/kg; therefore, this property will be transferred to GE for further evaluation.
10 Table 3-6 presents the results of the floodplain soil samples collected from tax parcel J6-3-1.
11 Figure 3-6 presents the locations of the floodplain soil samples collected from tax parcel J6-3-1.

12

Table 3-6

**Floodplain Soil PCB Results for Tax Parcel J6-3-1
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 2.68E+01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
F0489604	5.42E+00	J	0 - 0.5
F0489604	8.75E+00	J	0.5 - 1
F0489605	9.89E+00	J	0 - 0.5
F0489606	1.09E+01	J	0 - 0.5
F0489606	2.68E+01	J	0.5 - 1
F0489607	1.67E+01	J	0 - 0.5

J = estimated detected value

See Figure 3-6

1 **3.2.1.1.6 Tax Parcels: J5-2-9 and J5-2-10**

2 Tax parcels J5-2-9 and J5-2-10 are zoned residential and are owned by the same resident. The
3 total area of these parcels is approximately 5.2 acres. Approximately 5.0 acres are within the 10-
4 year floodplain and are considered high-contact residential property. This property (including
5 both tax parcels) does not border the river; therefore, there is no riverbank soil and sediment
6 associated with this property.

7 **Floodplain Soil**

8 Twelve floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
9 from areas designated as high-contact residential. Of these samples, 12 had detected PCB
10 concentrations. The maximum detected PCB concentration was 24.1 mg/kg. This concentration
11 exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore, this property
12 will be transferred to GE for further evaluation. Table 3-7 presents the results of the floodplain
13 soil samples collected from tax parcels J5-2-9 and J5-2-10. Figure 3-7 presents the locations of
14 the floodplain soil samples collected from tax parcels J5-2-9 and J5-2-10.

Table 3-7

**Floodplain Soil PCB Results for Tax Parcels J5-2-9 and J5-2-10
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 2.41E+01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001283	1.84E+00		0 - 0.5
FL001283	3.45E+00		0.5 - 1
FL000745	2.86E+00		0 - 0.5
FL000745	3.99E-01	J	0.5 - 1
FL000746	2.13E+00		0 - 0.5
FL000746	5.02E-01	U	0.5 - 1
FL000863	1.01E+01		0 - 0.5
FL000863	2.44E+00		0.5 - 1
FL000961	2.41E+01		0 - 0.5
FL001626	3.20E+00		0 - 0.5
FL001626	5.60E-01		0.5 - 1
FL001626*	5.30E-01		0.5 - 1
F0434001	2.10E+00	J	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-7

1 **3.2.1.1.7 Tax Parcel: J5-2-8**

2 Tax parcel J5-2-8 is zoned residential and is approximately 0.35 acre. Approximately 0.066 acre
3 is within the 10-year floodplain and is considered high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Two floodplain soil samples (0 to 1 ft) were taken from areas designated as high-contact
8 residential. Both of these samples had detected PCB concentrations. The maximum detected
9 PCB concentration was 2.44 mg/kg. This concentration exceeds the residential high-contact
10 floodplain soil SRBC of 2 mg/kg; therefore, this property will be transferred to GE for further
11 evaluation. Table 3-8 presents the results of the floodplain soil samples collected from tax parcel
12 J5-2-8. Figure 3-7 presents the locations of the floodplain soil samples collected from tax parcel
13 J5-2-8.

Table 3-8

**Floodplain Soil PCB Results for Tax Parcel J5-2-8
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 2.44E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001284	2.44E+00		0 - 0.5
FL001284	4.39E-01	J	0.5 - 1

J = estimated detected value

See Figure 3-7

1 **3.2.1.1.8 Tax Parcel: J5-2-7**

2 Tax parcel J5-2-7 is zoned residential and is approximately 0.23 acre. Approximately 0.015 acre
3 is within the 10-year floodplain and is considered high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Two floodplain soil samples (0 to 1 ft) were taken from areas designated as high-contact
8 residential. One of these samples had a detected PCB concentration. The detected PCB
9 concentration was 0.562 mg/kg. This concentration does not exceed the residential high-contact
10 floodplain soil SRBC of 2 mg/kg; therefore, this property was eliminated from further
11 consideration. Table 3-9 presents the results of the floodplain soil samples collected from tax
12 parcel J5-2-7. Figure 3-7 presents the locations of the floodplain soil samples collected from tax
13 parcel J5-2-7.

Table 3-9

**Floodplain Soil PCB Results for Tax Parcel J5-2-7
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 5.62E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000747	5.62E-01	J	0 - 0.5
FL000747	5.03E-01	U	0.5 - 1

J = estimated detected value

U = not detected at reported value

See Figure 3-7

1 **3.2.1.1.9 Tax Parcel: J5-2-11**

2 Tax parcel J5-2-11 is zoned residential and is approximately 10.4 acres. Approximately 5.4 acres
3 lie within the 10-year floodplain. Of the property that lies within the floodplain, approximately
4 2.9 acres are considered high-contact residential property and the remaining 2.5 acres are
5 considered low-contact residential property. The evaluation of the low-contact residential area is
6 presented in Subsection 3.2.1.2.

7 **Floodplain Soil**

8 Seven floodplain soil samples (0 to 1 ft) were taken from areas designated as high-contact
9 residential. Of these samples, five had detected PCB concentrations. The maximum detected
10 PCB concentration was 7.22 mg/kg. This concentration exceeds the residential high-contact
11 floodplain soil SRBC of 2 mg/kg; therefore, the high-contact residential area associated with this
12 property will be transferred to GE for further evaluation. Table 3-10 presents the results of the
13 floodplain soil samples collected from tax parcel J5-2-11. Figure 3-9 presents the locations of the
14 floodplain soil samples collected from tax parcel J5-2-11.

Table 3-10

**Floodplain Soil PCB Results for Tax Parcel J5-2-11
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 7.22E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000770	4.80E-01	J	0 - 0.5
FL000770	5.03E-01	U	0.5 - 1
FL000771	1.14E+00		0 - 0.5
FL000771	5.02E-01	U	0.5 - 1
FL000866	7.04E-01		0.5 - 1
FL000866	7.22E+00		0 - 0.5
F0435001	6.15E-01	J	0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 3-9

1 **3.2.1.1.10 Tax Parcel: 29-5**

2 Tax parcel 29-5 is zoned residential and is approximately 2.0 acres. Approximately 0.77 acre is
3 within the 10-year floodplain and is considered high-contact residential property. This property
4 extends to the riverbank.

5 **Floodplain Soil**

6 Eight floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 areas designated as high-contact residential. Of these samples, eight had detected PCB
8 concentrations. The maximum detected PCB concentration was 133 mg/kg. This concentration
9 exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore, this property
10 will be transferred to GE for further evaluation. Table 3-11 presents the results of the floodplain
11 soil samples collected from tax parcel 29-5. Figure 3-25 presents the locations of the floodplain
12 soil samples collected from tax parcel 29-5.

Table 3-11

**Floodplain Soil PCB Results for Tax Parcel 29-5
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.33E+02

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000196	3.77E+01	J	0 - 0.5
FL000194	1.33E+02	J	0 - 0.5
FL000195	2.86E+01	J	0 - 0.5
FL001080	1.45E+01		0 - 0.5
FL001335	7.75E+00		0 - 0.5
FL001335	6.20E-01		0.5 - 1
FL001335*	8.43E-01		0.5 - 1
FL001336	4.97E-01	J	0 - 0.5
FL001336	5.00E-01	U	0.5 - 1

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-25

1 **3.2.1.1.11 Tax Parcel: 9-17**

2 Tax parcel 9-17 is zoned residential and is approximately 1.5 acres. Approximately 1.4 acres lie
3 within the 10-year floodplain and are considered high-contact residential property. This property
4 extends to the riverbank.

5 **Floodplain Soil**

6 Twelve floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
7 from areas designated as high-contact residential. Of these samples, five had detected PCB
8 concentrations. The maximum detected PCB concentration was 1.02 mg/kg. This concentration
9 does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore, the
10 floodplain soil associated with this property was eliminated from further consideration. Table
11 3-12 presents the results of the floodplain soil samples collected from tax parcel 9-17. Figure
12 3-38 presents the locations of the floodplain soil samples collected from tax parcel 9-17.

Table 3-12

**Floodplain Soil PCB Results for Tax Parcel 9-17
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.02E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000792	7.89E-01	J	0 - 0.5
FL000792	1.69E-01	J	0.5 - 1
FL000793	1.90E-01		0 - 0.5
FL000793	5.03E-01	UJ	0.5 - 1
FL001359	1.02E+00		0 - 0.5
FL001359	5.01E-01	U	0.5 - 1
FL001359*	5.01E-01	U	0.5 - 1
FL001360	5.03E-01	U	0 - 0.5
FL001360	5.02E-01	U	0.5 - 1
FL001361	5.02E-01	U	0.5 - 1
FL001361	6.86E-01		0 - 0.5
FL001362	5.11E-01	U	0 - 0.5
FL001362	5.02E-01	U	0.5 - 1

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-38

1

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2

1 **3.2.1.2 Low-Contact Residential Areas**

2 Those residential properties with floodplain areas that do not meet the high-contact residential
3 criteria will be assumed to represent low-contact residential exposure. This is defined as
4 inundated wetlands or steep slopes or banks on residential property. Concentrations of PCBs in
5 low-contact residential areas were screened against the residential low-contact floodplain soil
6 SRBC of 5 mg/kg. Reaches 5 and 6 have 42 residential properties classified as low-contact. This
7 section provides the screening evaluation of the residential properties with low-contact
8 residential floodplain soil.

9 Of the 42 residential tax parcels identified as low-contact residential exposure areas, 23 had
10 maximum detected concentrations or EPCs of PCBs that exceeded the residential low-contact
11 floodplain soil SRBC of 5 mg/kg. Table 3-1 lists the tax parcel ID number, the town in which the
12 tax parcel is located, the table and figure references, and the results of the screening analysis.

13

14

1 **3.2.1.2.1 Tax Parcel I6-1-42**

2 Tax parcel I6-1-42 is zoned residential and is approximately 0.5 acre. Approximately 0.41 acre
3 lies within the 10-year floodplain and is not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Ten floodplain soil samples (0 to 1 ft) and two duplicate floodplain soil samples were taken from
8 this property. All of these samples had detected PCB concentrations. The maximum detected
9 PCB concentration was 10.5 mg/kg. This concentration exceeds the residential low-contact
10 floodplain soil SRBC of 5 mg/kg. The 95% UCL for this area was 11.5 mg/kg. The maximum
11 detected concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC
12 against the SRBC indicates that this property will require further evaluation. Table 3-13 presents
13 the results of the floodplain soil samples collected from tax parcel I6-1-42. Figure 3-3 presents
14 the locations of the floodplain soil samples collected from tax parcel I6-1-42.

Table 3-13

**Floodplain Soil PCB Results for Tax Parcel I6-1-42
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 1.05E+01

Data Distribution: Lognormal

95% UCL: 1.15E+01

EPC: 1.05E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000814	3.90E+00		0 - 0.5
FL000814	1.34E+00		0.5 - 1
FL001279	1.53E+00	J	0.5 - 1
FL001279	6.17E+00	J	0 - 0.5
FL001287	1.05E+01	J	0 - 0.5
FL001287	4.70E+00	J	0.5 - 1
FL001287*	5.41E+00	J	0.5 - 1
FL001288	7.98E+00	J	0 - 0.5
FL001288	4.39E+00	J	0.5 - 1
FL001576	1.52E+00	J	0 - 0.5
FL001576*	1.45E+00	J	0 - 0.5
FL001576	6.33E-01	J	0.5 - 1

* = duplicate sample

J = estimated detected value

See Figure 3-3

1 **3.2.1.2.2 Tax Parcel: I6-1-2**

2 Tax parcel I6-1-2 is zoned residential and is approximately 0.39 acre. Approximately 0.07 acre is
3 within the 10-year floodplain and is not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Four floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, two had
8 detected PCB concentrations. The maximum detected PCB concentration was 0.7 mg/kg. This
9 concentration does not exceed the residential low-contact floodplain soil SRBC of 5 mg/kg;
10 therefore, this property does not require further evaluation and was eliminated from further
11 consideration. Table 3-14 presents the results of the floodplain soil samples collected from tax
12 parcel I6-1-2. Figure 3-3 presents the locations of the floodplain soil samples collected from tax
13 parcel I6-1-2.

Table 3-14

**Floodplain Soil PCB Results for Tax Parcel I6-1-2
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 7.00E-01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001260	7.00E-01		0 - 0.5
FL001260	5.02E-01	U	0.5 - 1
FL001261	6.60E-02	J	0 - 0.5
FL001261	5.04E-01	U	0.5 - 1

J = estimated detected value

U = not detected at reported value

See Figure 3-3

1 **3.2.1.2.3 Tax Parcel: I6-2-6**

2 Although no residence is present, tax parcel I6-2-6 is zoned residential and is approximately 0.13
3 acre. Approximately 0.004 acre is within the 10-year floodplain and is not designated as high-
4 contact residential property. This property does not border the river; therefore, there is no
5 riverbank soil and sediment associated with this property.

6 **Floodplain Soil**

7 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
8 detected PCB concentrations. The maximum detected PCB concentration was 2.11 mg/kg. This
9 concentration does not exceed the residential low-contact floodplain soil SRBC of 5 mg/kg;
10 therefore, the property does not require further evaluation and was eliminated from further
11 consideration. Table 3-15 presents the results of the floodplain soil samples collected from tax
12 parcel I6-2-6. Figure 3-5 presents the locations of the floodplain soil samples collected from tax
13 parcel I6-2-6.

Table 3-15

**Floodplain Soil PCB Results for Tax Parcel I6-2-6
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 2.11E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001264	2.11E+00		0 - 0.5
FL001264	5.51E-01		0.5 - 1

See Figure 3-5

1 **3.2.1.2.4 Tax Parcel: I6-3-13**

2 Tax parcel I6-3-13 is zoned residential and is approximately 1.8 acres. Approximately 1.0 acre
3 lies within the 10-year floodplain. Of the property that lies within the floodplain, approximately
4 0.46 acre is considered low-contact residential property and the remaining 0.54 acre is
5 considered high-contact residential property. This evaluation focuses on the low-contact
6 residential area. Subsection 3.2.1.1 presents the evaluation of the high-contact residential area for
7 tax parcel I6-3-13.

8 **Floodplain Soil**

9 Six floodplain soil samples (0 to 1 ft) were taken from areas designated as low-contact
10 residential. All of these samples had detected PCB concentrations. The maximum detected PCB
11 concentration was 119 mg/kg. This concentration exceeds the residential low-contact floodplain
12 soil SRBC of 5 mg/kg. The 95% UCL for this area was 392 mg/kg. The maximum detected
13 concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC against
14 the SRBC indicates that this property will require further evaluation. Table 3-16 presents the
15 results of the floodplain soil samples collected from tax parcel I6-3-13. Figure 3-5 presents the
16 locations of the floodplain soil samples collected from tax parcel I6-3-13.

Table 3-16

**Floodplain Soil PCB Results for Tax Parcel I6-3-13
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 1.19E+02

Data Distribution: Default (lognormal)

95% UCL: 3.92E+02

EPC: 1.19E+02

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000910	1.70E+01		0 - 0.5
FL000910	1.19E+02		0.5 - 1
FL000911	1.17E+01		0 - 0.5
FL000911	1.19E+01		0.5 - 1
FL001466	2.35E+01		0 - 0.5
FL001466	7.44E+01		0.5 - 1

See Figure 3-5

1 **3.2.1.2.5 Tax Parcel: I6-3-1**

2 Tax parcel I6-3-1 is zoned residential and is approximately 7.7 acres. Approximately 5.4 acres
3 lie within the 10-year floodplain and are not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Twenty-two floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples,
7 19 had detected PCB concentrations. The maximum detected PCB concentration was 59.1
8 mg/kg. This concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg.
9 The 95% UCL for this area was 78.2 mg/kg. The maximum detected concentration is the EPC
10 because it is less than the 95% UCL. A comparison of the EPC against the SRBC indicates that
11 this property will require further evaluation. Table 3-17 presents the results of the floodplain soil
12 samples collected from tax parcel I6-3-1. Figure 3-5 presents the locations of the floodplain soil
13 samples collected from tax parcel I6-3-1.

Table 3-17

**Floodplain Soil PCB Results for Tax Parcel I6-3-1
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 5.91E+01

Data Distribution: Default (lognormal)

95% UCL: 7.82E+01

EPC: 5.91E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001271	5.65E+01	J	0 - 0.5
FL001462	2.22E+00		0 - 0.5
FL001462	1.66E+00		0.5 - 1
FL001256	4.75E-01	J	0.5 - 1
FL001256	1.26E+00		0 - 0.5
FL001257	5.01E-01	U	0 - 0.5
FL001257	3.73E+00		0.5 - 1
FL001461	1.41E+00		0 - 0.5
FL001461	5.00E-01	U	0.5 - 1
F0333004	3.37E+01	J	0 - 0.5
F0333005	1.78E+01	J	0 - 0.5
F0333006	2.82E+00	J	0 - 0.5
F0389503	9.02E+00	J	0 - 0.5
F0389504	4.99E+01	J	0.5 - 1
F0389504	5.91E+01	J	0 - 0.5
F0389505	3.51E+01	J	0 - 0.5
F0389506	9.75E+00	J	0 - 0.5
F0389506	1.24E+00	J	0.5 - 1
F0389507	1.14E+00	J	0 - 0.5
F0389508	3.62E+00	J	0 - 0.5
F0389508	2.39E+00	J	0.5 - 1
F0389509	5.00E-01	UJ	0 - 0.5

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-5

1 **3.2.1.2.6 Tax Parcel: J6-2-11**

2 Tax parcel J6-2-11 is zoned residential and is approximately 0.2 acre. Approximately 0.006 acre
3 is within the 10-year floodplain and is not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Two floodplain soil samples (0 to 1 ft) were taken from this property. Neither of these samples
8 had detected PCB concentrations. Based on these results, this property does not require further
9 evaluation and was eliminated from further consideration. Table 3-18 presents the results of the
10 floodplain soil samples collected from tax parcel J6-2-11. Figure 3-6 presents the locations of the
11 floodplain soil samples collected from tax parcel J6-2-11.

12

Table 3-18

**Floodplain Soil PCB Results for Tax Parcel J6-2-11
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: ND

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
F0489610	5.03E-01	UJ	0 - 0.5
F0489610	5.01E-01	UJ	0.5 - 1

ND = not detected

UJ = estimated nondetected value

See Figure 3-6

1 **3.2.1.2.7 Tax Parcel: J5-2-5**

2 Tax parcel J5-2-5 is zoned residential and is approximately 7.5 acres. Approximately 4.0 acres
3 lie within the 10-year floodplain and are not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Thirteen floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
8 from this property. Of these samples, 12 had detected PCB concentrations. The maximum
9 detected PCB concentration was 10.8 mg/kg. This concentration exceeds the residential low-
10 contact floodplain soil SRBC of 5 mg/kg. The 95% UCL for this area was 6.88 mg/kg. The 95%
11 UCL is the EPC because it is less than the maximum detected concentration. A comparison of
12 the EPC against the SRBC indicates that this property will require further evaluation. Table 3-19
13 presents the results of the floodplain soil samples collected from tax parcel J5-2-5. Figure 3-9
14 presents the locations of the floodplain soil samples collected from tax parcel J5-2-5.

15

Table 3-19

**Floodplain Soil PCB Results for Tax Parcel J5-2-5
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 1.08E+01

Data Distribution: Lognormal

95% UCL: 6.88E+00

EPC: 6.88E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000037	8.92E-01	J	0 - 0.5
FL000037*	7.78E-01	J	0 - 0.5
FL000038	2.37E+00	J	0 - 0.5
FL000039	1.23E+00	J	0 - 0.5
FL000040	1.50E+00	U	0 - 0.5
FL000041	1.49E+00	U	0 - 0.5
FL000445	1.08E+01	J	0 - 0.5
FL000446	5.00E+00		0 - 0.5
FL000447	3.67E+00	J	0 - 0.5
FL000448	2.68E+00	J	0 - 0.5
FL000449	2.79E+00	J	0 - 0.5
SE001254	5.20E+00		0 - 0.17
SE001254	3.07E+00		0 - 0.17
SE001276	6.90E+00	J	0 - 0.17

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-9

1 **3.2.1.2.8 Tax Parcel: J5-2-11**

2 Tax parcel J5-2-11 is zoned residential and is approximately 10.4 acres. Approximately 5.4 acres
3 lie within the 10-year floodplain. Of the property that lies within the floodplain, approximately
4 2.5 acres are considered low-contact residential property and the remaining 2.9 acres are
5 considered high-contact residential property. This evaluation focuses on the low-contact
6 residential area. Subsection 3.2.1.1 presents the evaluation of the high-contact residential area for
7 tax parcel J5-2-11.

8 **Floodplain Soil**

9 Four floodplain soil samples (0 to 1 ft) were taken from areas designated as low-contact
10 residential. All of these samples had detected PCB concentrations. The maximum detected PCB
11 concentration was 21.3 mg/kg. This concentration exceeds the residential low-contact floodplain
12 soil SRBC of 5 mg/kg. The 95% UCL for this area was not calculated because of the sample
13 size; therefore, the maximum detected concentration is the EPC. A comparison of the EPC
14 against the SRBC indicates that this property will require further evaluation. Table 3-20 presents
15 the results of the floodplain soil samples collected from tax parcel J5-2-11. Figure 3-9 presents
16 the locations of the floodplain soil samples collected from tax parcel J5-2-11.

17

Table 3-20

**Floodplain Soil PCB Results for Tax Parcel J5-2-11
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 2.13E+01

Data Distribution: NA

95% UCL: NA

EPC: 2.13E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000772	5.29E+00		0 - 0.5
FL000772	1.11E+00		0.5 - 1
FL000773	6.07E+00		0.5 - 1
FL000773	2.13E+01		0 - 0.5

NA = not applicable, insufficient number of samples

See Figure 3-9

1 **3.2.1.2.9 Tax Parcel: J5-2-4**

2 Tax parcel J5-2-4 is zoned residential and is approximately 13.0 acres. Approximately 8.4 acres
3 lie within the 10-year floodplain and are not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Twenty-four floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples,
7 21 had detected PCB concentrations. The maximum detected PCB concentration was 51.3
8 mg/kg. This concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg.
9 The 95% UCL for this area was 236 mg/kg. The maximum detected concentration is the EPC
10 because it is less than the 95% UCL. A comparison of the EPC against the SRBC indicates that
11 this property will require further evaluation. Table 3-21 presents the results of the floodplain soil
12 samples collected from tax parcel J5-2-4. Figure 3-9 presents the locations of the floodplain soil
13 samples collected from tax parcel J5-2-4.

14

Table 3-21

**Floodplain Soil PCB Results for Tax Parcel J5-2-4
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 5.13E+01

Data Distribution: Default (lognormal)

95% UCL: 2.36E+02

EPC: 5.13E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000118	4.95E+01	J	0 - 0.5
FL000119	1.41E+01	J	0 - 0.5
FL000116	3.93E+01	J	0 - 0.5
FL000117	4.32E+01	J	0 - 0.5
FL000590	1.70E-01		0 - 0.5
FL000590	1.80E-02	U	0.5 - 1
FL000963	4.92E+01		0 - 0.5
FL001289	2.00E+00	J	0 - 0.5
FL001289	9.47E-01	J	0.5 - 1
FL001290	5.02E-01	UJ	0 - 0.5
FL001290	5.01E-01	UJ	0.5 - 1
FL001291	8.34E+00	J	0 - 0.5
FL001573	3.26E-01	J	0.5 - 1
FL001573	4.85E+00	J	0 - 0.5
FL001574	6.20E+00	J	0 - 0.5
FL001574	2.55E+00	J	0.5 - 1
FL001575	7.33E+00	J	0 - 0.5
FL001575	8.82E-01	J	0.5 - 1
SL0280	4.46E+00		0 - 0.5
SL0428	4.94E+00		0 - 0.5
SL0430	6.36E+00		0 - 0.5
SL0431	5.75E+00		0 - 0.5
SL0432	1.46E+01		0 - 0.5
F0436003	5.13E+01	J	0 - 0.5

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-9

1 **3.2.1.2.10 Tax Parcel: J4-8-5**

2 Tax parcel J4-8-5 is zoned residential and is approximately 5.0 acres. Approximately 2.7 acres
3 lie within the 10-year floodplain. Of the property that lies within the floodplain, approximately
4 2.5 acres are considered low-contact residential. The remaining 0.18 acre is considered high-
5 contact residential property. This evaluation focuses on the low-contact residential area.
6 Subsection 3.2.1.1 presents the evaluation of the high-contact residential area for tax parcel J4-8-
7 5. This property does not border the river; therefore, there is no riverbank soil and sediment
8 associated with this property.

9 **Floodplain Soil**

10 Nine floodplain soil samples (0 to 1 ft) were taken from areas designated as low-contact
11 residential. Of these samples, seven had detected PCB concentrations. The maximum detected
12 PCB concentration was 2.19 mg/kg. This concentration does not exceed the residential low-
13 contact floodplain soil SRBC of 5 mg/kg; therefore, the low-contact residential area associated
14 with this property does not require further evaluation and was eliminated from further
15 consideration. Table 3-22 presents the results of the floodplain soil samples collected from tax
16 parcel J4-8-5. Figure 3-11 presents the locations of the floodplain soil samples collected from tax
17 parcel J4-8-5.

18

Table 3-22

**Floodplain Soil PCB Results for Tax Parcel J4-8-5
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 2.19E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000768	2.19E+00		0.5 - 1
FL000768	7.04E-01		0 - 0.5
FL000769	5.25E-01	U	0.5 - 1
FL000769	1.13E+00		0 - 0.5
FL000867	9.58E-01		0 - 0.5
FL000867	4.88E-01	J	0.5 - 1
FL000964	1.50E-01		0 - 0.5
FL001794	2.00E-02	U	0.5 - 1
FL001794	1.60E-01	J	0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 3-11

1 **3.2.1.2.11 Tax Parcel: J4-8-8**

2 Although there are currently no residences on tax parcel J4-8-8, a land use investigation
3 indicated that this tax parcel might be suitable for future residential development. It is
4 approximately 0.54 acre. Approximately 0.13 acre lies within the 10-year floodplain and is not
5 designated as high-contact residential property. This property does not border the river;
6 therefore, there is no riverbank soil and sediment associated with this property.

7 **Floodplain Soil**

8 Two floodplain soil samples (0 to 1 ft) were taken from this property. Neither of these samples
9 had detected PCB concentrations. Based on these results, this property was eliminated from
10 further consideration. Table 3-23 presents the results of the floodplain soil samples collected
11 from tax parcel J4-8-8. Figure 3-11 presents the locations of the floodplain soil samples collected
12 from tax parcel J4-8-8.

13

Table 3-23

**Floodplain Soil PCB Results for Tax Parcel J4-8-8
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: ND

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001294	5.12E-01	UJ	0 - 0.5
FL001294	5.07E-01	U	0.5 - 1

ND = not detected

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-11

1 **3.2.1.2.12 Tax Parcel: J4-8-2**

2 Tax parcel J4-8-2 is zoned residential and is approximately 2.8 acres. Approximately 1.9 acres
3 lie within the 10-year floodplain and are not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Seven floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
8 from this property. Of these samples, five had detected PCB concentrations. The maximum
9 detected PCB concentration was 2.11 mg/kg. This concentration does not exceed the residential
10 low-contact floodplain soil SRBC of 5 mg/kg; therefore, this property does not require further
11 evaluation and was eliminated from further consideration. Table 3-24 presents the results of the
12 floodplain soil samples collected from tax parcel J4-8-2. Figure 3-11 presents the locations of the
13 floodplain soil samples collected from tax parcel J4-8-2.

14

Table 3-24

**Floodplain Soil PCB Results for Tax Parcel J4-8-2
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 2.11E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000095	7.67E-01	UJ	0 - 0.5
FL000096	1.42E+00	J	0 - 0.5
FL000097	6.07E-01	J	0 - 0.5
FL000766	3.78E-01	J	0 - 0.5
FL000766*	4.14E-01	J	0 - 0.5
FL000766	5.03E-01	U	0.5 - 1
FL000868	2.11E+00		0 - 0.5
FL000868	5.82E-01	U	0.5 - 1

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-11

1 **3.2.1.2.13 Tax Parcel: J4-8-10**

2 Tax parcel J4-8-10 is zoned residential but it is not developed. The potential exists for residential
3 development to occur in the future. It is approximately 1.0 acre. Approximately 0.44 acre lies
4 within the 10-year floodplain and is not designated as high-contact residential property. This
5 property does not border the river; therefore, there is no riverbank soil and sediment associated
6 with this property.

7 **Floodplain Soil**

8 Three floodplain soil samples (0 to 1 ft) were taken from this property. One of these samples had
9 a detected PCB concentration. The detected PCB concentration was 0.664 mg/kg. This
10 concentration does not exceed the residential low-contact floodplain soil SRBC of 5 mg/kg;
11 therefore, this property does not require further evaluation and was eliminated from further
12 consideration. Table 3-25 presents the results of the floodplain soil samples collected from tax
13 parcel J4-8-10. Figure 3-11 presents the locations of the floodplain soil samples collected from
14 tax parcel J4-8-10.

15

Table 3-25

**Floodplain Soil PCB Results for Tax Parcel J4-8-10
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 6.64E-01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000765	6.64E-01		0 - 0.5
FL000765	5.07E-01	U	0.5 - 1
F0436001	5.02E-01	UJ	0 - 0.5

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-11

1 **3.2.1.2.14 Tax Parcel: J4-3-7**

2 Tax parcel J4-3-7 is zoned residential and is approximately 1.0 acre. Approximately 0.1 acre is
3 within the 10-year floodplain and is not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
8 detected PCB concentrations. The maximum detected PCB concentration was 3.51 mg/kg. This
9 concentration does not exceed the residential low-contact floodplain soil SRBC of 5 mg/kg;
10 therefore, this property does not require further evaluation and was eliminated from further
11 consideration. Table 3-26 presents the results of the floodplain soil samples collected from tax
12 parcel J4-3-7. Figure 3-12 presents the locations of the floodplain soil samples collected from tax
13 parcel J4-3-7.

14

Table 3-26

**Floodplain Soil PCB Results for Tax Parcel J4-3-7
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 3.51E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001695	3.25E+00	J	0.5 - 1
FL001695	3.51E+00	J	0 - 0.5

J = estimated detected value

See Figure 3-12

1 **3.2.1.2.15 Tax Parcel: J4-3-8**

2 Tax parcel J4-3-8 is zoned residential and is approximately 1.1 acres. Approximately 0.2 acre is
3 within the 10-year floodplain and is not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Five floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, three
8 had detected PCB concentrations. The maximum detected PCB concentration was 5.7 mg/kg.
9 This concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg. The
10 95% UCL for this area was 4.24 mg/kg. The 95% UCL is the EPC because it is less than the
11 maximum detected concentration. A comparison of the EPC against the SRBC indicates that this
12 property does not require further evaluation and was eliminated from further consideration.
13 Table 3-27 presents the results of the floodplain soil samples collected from tax parcel J4-3-8.
14 Figure 3-12 presents the locations of the floodplain soil samples collected from tax parcel J4-3-8.

15

Table 3-27

**Floodplain Soil PCB Results for Tax Parcel J4-3-8
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 5.70E+00

Data Distribution: Normal

95% UCL: 4.24E+00

EPC: 4.24E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001694	3.09E+00		0 - 0.5
FL001694	5.70E+00	J	0.5 - 1
F0538001	1.60E-01	J	0 - 0.5
F0489702	5.01E-01	UJ	0.5 - 1
F0489702	5.00E-01	UJ	0 - 0.5

J = estimated detected value

UJ = estimated nondetected value

See Figure 3-12

1 **3.2.1.2.16 Tax Parcel: J4-3-9**

2 Tax parcel J4-3-9 is zoned residential and is approximately 0.7 acre. Approximately 0.13 acre is
3 within the 10-year floodplain and is not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Four floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
8 detected PCB concentrations. The maximum detected PCB concentration was 1.88 mg/kg. This
9 concentration does not exceed the residential low-contact floodplain soil SRBC of 5 mg/kg;
10 therefore, this property does not require further evaluation and was eliminated from further
11 consideration. Table 3-28 presents the results of the floodplain soil samples collected from tax
12 parcel J4-3-9. Figure 3-12 presents the locations of the floodplain soil samples collected from tax
13 parcel J4-3-9.

14

Table 3-28

**Floodplain Soil PCB Results for Tax Parcel J4-3-9
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 1.88E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001692	1.88E+00	J	0 - 0.5
FL001692	1.68E-01	J	0.5 - 1
FL001693	3.00E-02		0.5 - 1
FL001693	6.81E-01	J	0 - 0.5

J = estimated detected value

See Figure 3-12

1 **3.2.1.2.17 Tax Parcel: J4-3-10**

2 Tax parcel J4-3-10 is zoned residential and is approximately 0.66 acre. Approximately 0.09 acre
3 is within the 10-year floodplain and is not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
8 detected PCB concentrations. The maximum detected PCB concentration was 0.41 mg/kg. This
9 concentration does not exceed the residential low-contact floodplain soil SRBC of 5 mg/kg;
10 therefore, this property does not require further evaluation and was eliminated from further
11 consideration. Table 3-29 presents the results of the floodplain soil samples collected from tax
12 parcel J4-3-10. Figure 3-12 presents the locations of the floodplain soil samples collected from
13 tax parcel J4-3-10.

14

Table 3-29

**Floodplain Soil PCB Results for Tax Parcel J4-3-10
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 4.10E-01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001691	4.10E-01	J	0 - 0.5
FL001691	4.40E-02		0.5 - 1

J = estimated detected value

See Figure 3-12

1 **3.2.1.2.18 Tax Parcel: J4-3-11**

2 Tax parcel J4-3-11 is zoned residential and is approximately 1.0 acre. Approximately 0.13 acre is
3 within the 10-year floodplain and is not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Four floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, three
8 had detected PCB concentrations. The maximum detected PCB concentration was 0.677 mg/kg.
9 This concentration does not exceed the residential low-contact floodplain soil SRBC of 5 mg/kg;
10 therefore, this property does not require further evaluation and was eliminated from further
11 consideration. Table 3-30 presents the results of the floodplain soil samples collected from tax
12 parcel J4-3-11. Figure 3-12 presents the locations of the floodplain soil samples collected from
13 tax parcel J4-3-11.

14

Table 3-30

**Floodplain Soil PCB Results for Tax Parcel J4-3-11
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 6.77E-01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001311	6.77E-01		0 - 0.5
FL001311	5.01E-01	U	0.5 - 1
FL001690	4.60E-01		0 - 0.5
FL001690	5.00E-02		0.5 - 1

U = not detected at reported value

See Figure 3-12

1 **3.2.1.2.19 Tax Parcel: J3-1-14**

2 Tax parcel J3-1-14 is zoned residential and is approximately 1.1 acres. Approximately 0.1 acre is
3 within the 10-year floodplain and is not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Six floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, five had
7 detected PCB concentrations. The maximum detected PCB concentration was 132 mg/kg. This
8 concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg. The 95%
9 UCL for this area was much greater than the maximum detected concentration. The maximum
10 detected concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC
11 against the SRBC indicates that this property will require further evaluation. Table 3-31 presents
12 the results of the floodplain soil samples collected from tax parcel J3-1-14. Figure 3-12 presents
13 the locations of the floodplain soil samples collected from tax parcel J3-1-14.

14

Table 3-31

**Floodplain Soil PCB Results for Tax Parcel J3-1-14
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 1.32E+02

Data Distribution: Lognormal

95% UCL: 9.26E+10

EPC: 1.32E+02

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001310	6.75E-01	J	0 - 0.5
FL001310	5.02E-01	U	0.5 - 1
FL001688	1.22E+02		0 - 0.5
FL001688	1.32E+02		0.5 - 1
FL001689	2.34E+00	J	0 - 0.5
FL001689	1.00E-01		0.5 - 1

U = not detected at reported value

J = estimated detected value

See Figure 3-12

1 **3.2.1.2.20 Tax Parcel: J3-1-13**

2 Tax parcel J3-1-13 is zoned residential and is approximately 0.64 acre. Approximately 0.03 acre
3 is within the 10-year floodplain and is not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 16.8 mg/kg. This
8 concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg. The 95%
9 UCL for this area was not calculated because of the sample size; therefore, the maximum
10 detected concentration is the EPC. A comparison of the EPC against the SRBC indicates that this
11 property will require further evaluation. Table 3-32 presents the results of the floodplain soil
12 samples collected from tax parcel J3-1-13. Figure 3-12 presents the locations of the floodplain
13 soil samples collected from tax parcel J3-1-13.

14

Table 3-32

**Floodplain Soil PCB Results for Tax Parcel J3-1-13
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 1.68E+01

Data Distribution: NA

95% UCL: NA

EPC: 1.68E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001686	8.60E+00		0 - 0.5
FL001686	1.68E+01	J	0.5 - 1
FL001687	2.53E+00		0 - 0.5
FL001687	3.42E+00		0.5 - 1

NA = not applicable, insufficient number of samples

J = estimated detected value

See Figure 3-12

1 **3.2.1.2.21 Tax Parcel: J3-1-12**

2 Tax parcel J3-1-12 is zoned residential and is approximately 0.74 acre. Approximately 0.05 acre
3 is within the 10-year floodplain and is not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Four floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
8 detected PCB concentrations. The maximum detected PCB concentration was 26 mg/kg. This
9 concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg. The 95%
10 UCL for this area was not calculated because of the sample size; therefore, the maximum
11 detected concentration is the EPC. A comparison of the EPC against the SRBC indicates that this
12 parcel will require further evaluation. Table 3-33 presents the results of the floodplain soil
13 samples collected from tax parcel J3-1-12. Figure 3-14 presents the locations of the floodplain
14 soil samples collected from tax parcel J3-1-12.

15

Table 3-33

**Floodplain Soil PCB Results for Tax Parcel J3-1-12
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 2.60E+01

Data Distribution: NA

95% UCL: NA

EPC: 2.60E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001684	2.60E+01		0.5 - 1
FL001684	1.96E+01		0 - 0.5
FL001685	1.22E-01	J	0 - 0.5
FL001685	3.40E-02		0.5 - 1

NA = not applicable, insufficient number of samples

J = estimated detected value

See Figure 3-14

1 **3.2.1.2.22 Tax Parcel: J3-1-11**

2 Tax parcel J3-1-11 is zoned residential and is approximately 0.84 acre. Approximately 0.06 acre
3 is within the 10-year floodplain and is not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. All four of these samples and the duplicate sample had detected PCB
8 concentrations. The maximum detected PCB concentration was 33 mg/kg. This concentration
9 exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg. The 95% UCL for this area
10 was not calculated because of the sample size; therefore, the maximum detected concentration is
11 the EPC. A comparison of the EPC against the SRBC indicates that this property will require
12 further evaluation. Table 3-34 presents the results of the floodplain soil samples collected from
13 tax parcel J3-1-11. Figure 3-14 presents the locations of the floodplain soil samples collected
14 from tax parcel J3-1-11.

15

Table 3-34

**Floodplain Soil PCB Results for Tax Parcel J3-1-11
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 3.30E+01

Data Distribution: NA

95% UCL: NA

EPC: 3.30E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001682*	3.30E+01		0 - 0.5
FL001682	9.50E+00		0.5 - 1
FL001682	3.10E+01		0 - 0.5
FL001683	4.60E+00		0 - 0.5
FL001683	3.71E+00		0.5 - 1

* = duplicate sample

NA = not applicable, insufficient number of samples

See Figure 3-14

1 **3.2.1.2.23 Tax Parcel: J3-1-10**

2 Tax parcel J3-1-10 is zoned residential and is approximately 0.64 acre. Approximately 0.05 acre
3 lies within the 10-year floodplain and is not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Four floodplain soil samples (0 to 1 ft) were taken from this property. One of these samples had
8 a detected PCB concentration. The detected PCB concentration was 0.548 mg/kg. This
9 concentration does not exceed the residential low-contact floodplain soil SRBC of 5 mg/kg;
10 therefore, this property does not require further evaluation and was eliminated from further
11 consideration. Table 3-35 presents the results of the floodplain soil samples collected from tax
12 parcel J3-1-10. Figure 3-14 presents the locations of the floodplain soil samples collected from
13 tax parcel J3-1-10.

14

Table 3-35

**Floodplain Soil PCB Results for Tax Parcel J3-1-10
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 5.48E-01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000754	5.01E-01	U	0 - 0.5
FL000754	5.48E-01		0.5 - 1
FL000755	5.01E-01	U	0 - 0.5
FL000755	5.16E-01	U	0.5 - 1

U = not detected at reported value

See Figure 3-14

1 **3.2.1.2.24 Tax Parcel: J3-1-9**

2 Tax parcel J3-1-9 is zoned residential and is approximately 0.66 acre. Approximately 0.09 acre
3 lies within the 10-year floodplain and is not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Six floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
8 this property. Of these samples, three had detected PCB concentrations. The maximum detected
9 PCB concentration was 0.529 mg/kg. This concentration does not exceed the residential low-
10 contact floodplain soil SRBC of 5 mg/kg; therefore, this property does not require further
11 evaluation and was eliminated from further consideration. Table 3-36 presents the results of the
12 floodplain soil samples collected from tax parcel J3-1-9. Figure 3-14 presents the locations of the
13 floodplain soil samples collected from tax parcel J3-1-9.

14

Table 3-36

**Floodplain Soil PCB Results for Tax Parcel J3-1-9
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 5.29E-01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000752*	5.02E-01	U	0 - 0.5
FL000752	5.01E-01	U	0.5 - 1
FL000752	5.02E-01	U	0 - 0.5
FL000753	1.40E-01		0 - 0.5
FL000753	5.01E-01	U	0.5 - 1
FL001309	5.29E-01		0.5 - 1
FL001309	3.87E-01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-14

1 **3.2.1.2.25 Tax Parcel: J3-1-8**

2 Tax parcel J3-1-8 is zoned residential and is approximately 0.55 acre. Approximately 0.06 acre
3 lies within the 10-year floodplain and is not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Four floodplain soil samples (0 to 1 ft) were taken from this property. None of these samples had
8 detected PCB concentrations. Based on these results, this property does not require further
9 evaluation and was eliminated from further consideration. Table 3-37 presents the results of the
10 floodplain soil samples collected from tax parcel J3-1-8. Figure 3-14 presents the locations of the
11 floodplain soil samples collected from tax parcel J3-1-8.

12

Table 3-37

**Floodplain Soil PCB Results for Tax Parcel J3-1-8
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: ND

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000750	5.02E-01	U	0 - 0.5
FL000750	5.01E-01	U	0.5 - 1
FL000751	5.01E-01	U	0.5 - 1
FL000751	5.02E-01	U	0 - 0.5

ND = not detected

U = not detected at reported value

See Figure 3-14

1 **3.2.1.2.26 Tax Parcel: J3-2-2**

2 Tax parcel J3-2-2 is zoned residential and is approximately 0.7 acre. Approximately 0.12 acre
3 lies within the 10-year floodplain and is not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. All of these samples had detected PCB concentrations. The maximum detected
8 PCB concentration was 93.7 mg/kg. This concentration exceeds the residential low-contact
9 floodplain soil SRBC of 5 mg/kg. The 95% UCL for this area was not calculated because of the
10 sample size; therefore, the maximum detected concentration is the EPC. A comparison of the
11 EPC against the SRBC indicates that this property will require further evaluation. Table 3-38
12 presents the results of the floodplain soil samples collected from tax parcel J3-2-2. Figure 3-15
13 presents the locations of the floodplain soil samples collected from tax parcel J3-2-2.

14

Table 3-38

**Floodplain Soil PCB Results for Tax Parcel J3-2-2
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 9.37E+01

Data Distribution: NA

95% UCL: NA

EPC: 9.37E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001323	8.72E+00		0.5 - 1
FL001323*	1.40E+01		0.5 - 1
FL001323	9.37E+01		0 - 0.5
FL001324	4.04E+01		0 - 0.5
FL001324	1.80E+01		0.5 - 1

* = duplicate sample

NA = not applicable, insufficient number of samples

See Figure 3-15

1 **3.2.1.2.27 Tax Parcel: J3-2-3**

2 Tax parcel J3-2-3 is zoned residential and is approximately 0.9 acre. Approximately 0.2 acre lies
3 within the 10-year floodplain and is not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 18.7 mg/kg. This
8 concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg. The 95%
9 UCL for this area was not calculated because of the sample size; therefore, the maximum
10 detected concentration is the EPC. A comparison of the EPC against the SRBC indicates that this
11 property will require further evaluation. Table 3-39 presents the results of the floodplain soil
12 samples collected from tax parcel J3-2-3. Figure 3-15 presents the locations of the floodplain soil
13 samples collected from tax parcel J3-2-3.

14

Table 3-39

**Floodplain Soil PCB Results for Tax Parcel J3-2-3
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 1.87E+01

Data Distribution: NA

95% UCL: NA

EPC: 1.87E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000700	1.87E+01		0 - 0.5
FL000700	3.34E+00		0.5 - 1
FL000914	1.81E+01		0 - 0.5
FL000914	5.17E-01		0.5 - 1

NA = not applicable, insufficient number of samples

See Figure 3-15

1 **3.2.1.2.28 Tax Parcel: J3-2-4**

2 Tax parcel J3-2-4 is zoned residential and is approximately 0.6 acre. Approximately 0.06 acre
3 lies within the 10-year floodplain and is not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 22.8 mg/kg. This
8 concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg. The 95%
9 UCL for this area was not calculated because of the sample size; therefore, the maximum
10 detected concentration is the EPC. A comparison of the EPC against the SRBC indicates that this
11 property will require further evaluation. Table 3-40 presents the results of the floodplain soil
12 samples collected from tax parcel J3-2-4. Figure 3-15 presents the locations of the floodplain soil
13 samples collected from tax parcel J3-2-4.

14

Table 3-40

**Floodplain Soil PCB Results for Tax Parcel J3-2-4
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 2.28E+01

Data Distribution: NA

95% UCL: NA

EPC: 2.28E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000699	6.10E+00		0 - 0.5
FL000699	1.13E+01		0.5 - 1
FL000701	2.28E+01		0 - 0.5
FL000701	1.92E+01		0.5 - 1

NA = not applicable, insufficient number of samples

See Figure 3-15

1 **3.2.1.2.29 Tax Parcel: J3-2-5**

2 Tax parcel J3-2-5 is zoned residential and is approximately 0.45 acre. Approximately 0.02 acre
3 lies within the 10-year floodplain and is not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 19.6 mg/kg. This
8 concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg. The 95%
9 UCL for this area was not calculated because of the sample size; therefore, the maximum
10 detected concentration is the EPC. A comparison of the EPC against the SRBC indicates that this
11 property will require further evaluation. Table 3-41 presents the results of the floodplain soil
12 samples collected from tax parcel J3-2-5. Figure 3-15 presents the locations of the floodplain soil
13 samples collected from tax parcel J3-2-5.

14

Table 3-41

**Floodplain Soil PCB Results for Tax Parcel J3-2-5
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 1.96E+01

Data Distribution: NA

95% UCL: NA

EPC: 1.96E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000702	1.42E+01		0 - 0.5
FL000702	1.96E+01		0.5 - 1

NA = not applicable, insufficient number of samples

See Figure 3-15

1 **3.2.1.2.30 Tax Parcel: J3-2-6**

2 Tax parcel J3-2-6 is zoned residential and is approximately 0.57 acre. Approximately 0.06 acre
3 lies within the 10-year floodplain and is not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. All of these samples had detected PCB concentrations. The maximum detected
8 PCB concentration was 2.83 mg/kg. This concentration does not exceed the residential low-
9 contact floodplain soil SRBC of 5 mg/kg. Even though the maximum detected PCB
10 concentration was less than the residential low-contact floodplain soil SRBC, tax parcel J3-2-6
11 will require further evaluation given the PCB contamination on the adjacent properties J3-2-2,
12 J3-2-3, J3-2-4, and J3-2-5. Table 3-42 presents the results of the floodplain soil samples
13 collected from tax parcel J3-2-6. Figure 3-15 presents the locations of the floodplain soil samples
14 collected from tax parcel J3-2-6.

15

Table 3-42

**Floodplain Soil PCB Results for Tax Parcel J3-2-6
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 2.83E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000703	2.83E+00		0 - 0.5
FL000703*	2.78E+00		0 - 0.5
FL000703	1.44E+00		0.5 - 1

* = duplicate sample

See Figure 3-15

1 **3.2.1.2.31 Tax Parcel: K3-1-2**

2 Tax parcel K3-1-2 is zoned residential and is approximately 0.86 acre. Approximately 0.24 acre
3 lies within the 10-year floodplain and is not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Eight floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, six had
7 detected PCB concentrations. The maximum detected PCB concentration was 40.6 mg/kg. This
8 concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg. The 95%
9 UCL for this property was 3,900 mg/kg. The maximum detected concentration is the EPC
10 because it is less than the 95% UCL. A comparison of the EPC against the SRBC indicates that
11 this property will require further evaluation. Table 3-43 presents the results of the floodplain soil
12 samples collected from tax parcel K3-1-2. Figure 3-17 presents the locations of the floodplain
13 soil samples collected from tax parcel K3-1-2.

14

Table 3-43

**Floodplain Soil PCB Results for Tax Parcel K3-1-2
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 4.06E+01

Data Distribution: Lognormal

95% UCL: 3.90E+03

EPC: 4.06E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000705	8.06E-01		0 - 0.5
FL000705	5.01E-01	U	0.5 - 1
FL000706	6.09E+00		0 - 0.5
FL000706	5.01E-01	U	0.5 - 1
FL001300	3.01E+01		0 - 0.5
FL001300	9.62E+00		0.5 - 1
FL001301	4.06E+01		0 - 0.5
FL001301	1.34E+00		0.5 - 1

U = not detected at reported value

See Figure 3-17

1 **3.2.1.2.32 Tax Parcel: K2-1-10**

2 Tax parcel K2-1-10 is zoned residential and is approximately 1.7 acres. Approximately 0.24 acre
3 is within the 10-year floodplain and is not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Eight floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, seven
7 had detected PCB concentrations. The maximum detected PCB concentration was 99.5 mg/kg.
8 This concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg. The
9 95% UCL for this area was 45.9 mg/kg. The 95% UCL is the EPC because it is less than the
10 maximum detected concentration. A comparison of the EPC against the SRBC indicates that this
11 property will require further evaluation. Table 3-44 presents the results of the floodplain soil
12 samples collected from tax parcel K2-1-10. Figure 3-18 presents the locations of the floodplain
13 soil samples collected from tax parcel K2-1-10.

14

Table 3-44

**Floodplain Soil PCB Results for Tax Parcel K2-1-10
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 9.95E+01

Data Distribution: Normal

95% UCL: 4.59E+01

EPC: 4.59E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000915	5.04E-01	U	0.5 - 1
FL000915	4.20E+00		0 - 0.5
FL000916	5.65E+00	J	0 - 0.5
FL000916	3.76E-01	J	0.5 - 1
FL000917	4.25E+00		0 - 0.5
FL000917	2.27E-01	J	0.5 - 1
FL001569	5.58E+01		0 - 0.5
FL001569	9.95E+01		0.5 - 1

J = estimated detected value

U = not detected at reported value

See Figure 3-18

1 **3.2.1.2.33 Tax Parcel: K2-1-2**

2 Tax parcel K2-1-2 is zoned residential and is approximately 0.92 acre. Approximately 0.49 acre
3 lies within the 10-year floodplain and is not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Six floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, two had
8 detected PCB concentrations. The maximum detected PCB concentration was 2.36 mg/kg. This
9 concentration does not exceed the residential low-contact floodplain soil SRBC of 5 mg/kg;
10 therefore, this property does not require further evaluation and was eliminated from further
11 consideration. Table 3-45 presents the results of the floodplain soil samples collected from tax
12 parcel K2-1-2. Figure 3-18 presents the locations of the floodplain soil samples collected from
13 tax parcel K2-1-2.

14

Table 3-45

**Floodplain Soil PCB Results for Tax Parcel K2-1-2
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 2.36E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001320	1.02E+00	U	0 - 0.5
FL001320	5.04E-01	U	0.5 - 1
FL001321	2.28E+00		0.5 - 1
FL001321	2.36E+00	J	0 - 0.5
FL001630	2.40E-02	U	0.5 - 1
FL001630	2.90E-02	U	0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 3-18

1 **3.2.1.2.34 Tax Parcel: 23-37**

2 Tax parcel 23-37 is zoned residential and is approximately 134 acres. Approximately 33 acres lie
3 within the 10-year floodplain and are not designated as high-contact residential property. This
4 property does not border the river; therefore, there is no riverbank soil and sediment associated
5 with this property.

6 **Floodplain Soil**

7 Ten floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, three had
8 detected PCB concentrations. The maximum detected PCB concentration was 0.399 mg/kg. This
9 concentration does not exceed the residential low-contact floodplain soil SRBC of 5 mg/kg;
10 therefore, this property does not require further evaluation and was eliminated from further
11 consideration. Table 3-46 presents the results of the floodplain soil samples collected from tax
12 parcel 23-37. Figure 3-28 presents the locations of the floodplain soil samples collected from tax
13 parcel 23-37.

14

Table 3-46

**Floodplain Soil PCB Results for Tax Parcel 23-37
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 3.99E-01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001809	3.20E-02		0 - 0.5
FL001809	2.10E-02	U	0.5 - 1
FL001810	9.40E-02		0 - 0.5
FL001810	2.30E-02	U	0 - 0.5
FL000879	5.04E-01	U	0.5 - 1
FL000879	5.07E-01	U	0 - 0.5
FL000880	5.03E-01	U	0 - 0.5
FL000880	5.02E-01	U	0.5 - 1
FL000869	5.97E-01	U	0 - 0.5
FL000869	3.99E-01	J	0.5 - 1

J = estimated detected value

U = not detected at reported value

See Figure 3-28

1 **3.2.1.2.35 Tax Parcel: 24-6**

2 Tax parcel 24-6 is zoned residential and is approximately 4.8 acres. Approximately 1.2 acres lie
3 within the 10-year floodplain and are not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 95.7 mg/kg. This
8 concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg. The 95%
9 UCL for this area was not calculated because of the sample size; therefore, the maximum
10 detected concentration is the EPC. A comparison of the EPC against the SRBC indicates that this
11 property will require further evaluation. Table 3-47 presents the results of the floodplain soil
12 samples collected from tax parcel 24-6. Figure 3-29 presents the locations of the floodplain soil
13 samples collected from tax parcel 24-6.

14

Table 3-47

**Floodplain Soil PCB Results for Tax Parcel 24-6
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 9.57E+01

Data Distribution: NA

95% UCL: NA

EPC: 9.57E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001612	5.82E+01		0 - 0.5
FL001612	9.57E+01		0.5 - 1
FL001613	1.81E+01		0.5 - 1
FL001613	6.71E+01		0 - 0.5

NA = not applicable, insufficient number of samples

See Figure 3-29

1 **3.2.1.2.36 Tax Parcel: 24-5**

2 Tax parcel 24-5 is zoned residential and is approximately 4.9 acres. Approximately 0.47 acre lies
3 within the 10-year floodplain and is not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Ten floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, eight had
7 detected PCB concentrations. The maximum detected PCB concentration was 162 mg/kg. This
8 concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg. The 95%
9 UCL for this property was much higher than the maximum concentration. The maximum
10 detected concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC
11 against the SRBC indicates that this property will require further evaluation. Table 3-48 presents
12 the results of the floodplain soil samples collected from tax parcel 24-5. Figure 3-29 presents the
13 locations of the floodplain soil samples collected from tax parcel 24-5.

14

Table 3-48

**Floodplain Soil PCB Results for Tax Parcel 24-5
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 1.62E+02

Data Distribution: Default (lognormal)

95% UCL: 7.29E+05

EPC: 1.62E+02

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000810	9.32E+00		0 - 0.5
FL000810	4.71E+01	J	0.5 - 1
FL000918	1.57E+02		0 - 0.5
FL000918	1.62E+02		0.5 - 1
FL000919	5.07E-01	U	0 - 0.5
FL000919	5.04E-01	U	0.5 - 1
FL000920	5.99E+01		0 - 0.5
FL000920	1.60E+02		0.5 - 1
F0890333	4.27E-01	J	0.5 - 1
F0890333	9.08E-01		0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 3-29

1 **3.2.1.2.37 Tax Parcel: 24-4**

2 Tax parcel 24-4 is zoned residential and is approximately 5.7 acres. Approximately 0.4 acre is
3 within the 10-year floodplain and is not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Eight floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. Of these samples, eight had detected PCB concentrations. The maximum detected
8 PCB concentration was 275 mg/kg. This concentration exceeds the residential low-contact
9 floodplain soil SRBC of 5 mg/kg. The 95% UCL for this area was 146 mg/kg. The 95% UCL is
10 the EPC because it is less than the maximum detected concentration. A comparison of the EPC
11 against the SRBC indicates that this property will require further evaluation. Table 3-49 presents
12 the results of the floodplain soil samples collected from tax parcel 24-4. Figure 3-29 presents the
13 locations of the floodplain soil samples collected from tax parcel 24-4.

14

Table 3-49

**Floodplain Soil PCB Results for Tax Parcel 24-4
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 2.75E+02

Data Distribution: Normal

95% UCL: 1.46E+02

EPC: 1.46E+02

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000921	1.37E+02		0 - 0.5
FL000921	5.03E-01	U	0.5 - 1
FL000922	1.04E+02		0.5 - 1
FL000922*	2.75E+02	J	0 - 0.5
FL000922	5.15E+01	J	0 - 0.5
FL000923	1.04E+01		0 - 0.5
FL000923	1.27E+00	J	0.5 - 1
FL001617	6.72E+01		0 - 0.5
FL001617	7.66E+01		0.5 - 1

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-29

1 **3.2.1.2.38 Tax Parcel: 24-3**

2 Tax parcel 24-3 is zoned residential and is approximately 2.5 acres. Approximately 0.4 acre is
3 within the 10-year floodplain and is not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Nine floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. Of these samples, four had detected PCB concentrations. The maximum detected
8 PCB concentration was 11.9 mg/kg. This concentration exceeds the residential low-contact
9 floodplain soil SRBC of 5 mg/kg. The 95% UCL for this area was 32.4 mg/kg. The maximum
10 detected concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC
11 against the SRBC indicates that this property will require further evaluation. Table 3-50 presents
12 the results of the floodplain soil samples collected from tax parcel 24-3. Figure 3-29 presents the
13 locations of the floodplain soil samples collected from tax parcel 24-3.

14

Table 3-50

**Floodplain Soil PCB Results for Tax Parcel 24-3
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 1.19E+01

Data Distribution: Lognormal

95% UCL: 3.24E+01

EPC: 1.19E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001616	1.76E+00		0 - 0.5
FL001616	5.02E-01	U	0.5 - 1
FL001338	1.19E+01		0 - 0.5
FL001338	5.01E-01	U	0.5 - 1
F0890404	5.18E+00		0 - 0.5
F0890404	5.60E+00		0.5 - 1
F0890402	8.22E-01	U	0 - 0.5
F0890402	7.52E-01	U	0.5 - 1
F0890403	1.08E+00	U	0 - 0.5
F0890403*	1.07E+00	U	0 - 0.5

* = duplicate sample

U = not detected at reported value

See Figure 3-29

1 **3.2.1.2.39 Tax Parcel: 24-1**

2 Tax parcel 24-1 is zoned residential and is approximately 5.5 acres. Approximately 1.5 acres lie
3 within the 10-year floodplain and are not designated as high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Ten floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 53.3 mg/kg. This
8 concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg. The 95%
9 UCL for this area was 96.8 mg/kg. The maximum detected concentration is the EPC because it is
10 less than the 95% UCL. A comparison of the EPC against the SRBC indicates that this property
11 will require further evaluation. Table 3-51 presents the results of the floodplain soil samples
12 collected from tax parcel 24-1. Figure 3-29 presents the locations of the floodplain soil samples
13 collected from tax parcel 24-1.

14

Table 3-51

**Floodplain Soil PCB Results for Tax Parcel 24-1
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 5.33E+01

Data Distribution: Lognormal

95% UCL: 9.68E+01

EPC: 5.33E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000809	1.13E+01		0 - 0.5
FL000809	1.93E+01		0.5 - 1
FL000924	1.73E+01		0 - 0.5
FL000924	1.39E+00		0.5 - 1
FL000925	1.47E+01		0 - 0.5
FL000925	1.29E+01		0.5 - 1
FL001614	5.33E+01		0 - 0.5
FL001614	4.38E+01		0.5 - 1
FL001615	2.06E+00		0.5 - 1
FL001615	1.43E+01		0 - 0.5

See Figure 3-29

1 **3.2.1.2.40 Tax Parcel: 18-85**

2 Although there are currently no residences on tax parcel 18-85, a land use investigation indicated
3 that this tax parcel might be suitable for future residential development. It is approximately 190
4 acres. Approximately 77.6 acres lie within the 10-year floodplain and are not designated as high-
5 contact residential property. This property does not border the river; therefore, there is no
6 riverbank soil and sediment associated with this property.

7 **Floodplain Soil**

8 One hundred floodplain soil samples (0 to 1 ft) and five duplicate floodplain soil samples were
9 taken from this property. Of these samples, 11 had detected PCB concentrations. The maximum
10 detected PCB concentration was 2.59 mg/kg. This concentration does not exceed the residential
11 low-contact floodplain soil SRBC of 5 mg/kg; therefore, this property does not require further
12 evaluation and was eliminated from further consideration. Table 3-52 presents the results of the
13 floodplain soil samples collected from tax parcel 18-85. Figure 3-32 presents the locations of the
14 floodplain soil samples collected from tax parcel 18-85.

15

Table 3-52

**Floodplain Soil PCB Results for Tax Parcel 18-85
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 2.59E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000548	8.65E-03	J	0 - 0.5
FL000571	9.83E-03	J	0.5 - 1
FL000571	3.10E-01		0 - 0.5
FL000572	2.48E-02	J	0 - 0.5
FL000573	4.18E-02	J	0 - 0.5
FL000573	2.46E-02	J	0.5 - 1
FL000574	2.85E-02	J	0 - 0.5
FL000575	1.20E-02	J	0 - 0.5
FL000575	2.19E-02	U	0.5 - 1
F1190722	1.65E+00	U	0 - 0.5
F1190722	9.63E-01	U	0.5 - 1
F1190723	7.38E-01	U	0 - 0.5
F1190738	1.48E+00	U	0 - 0.5
F1190738	7.27E-01	U	0.5 - 1
F1190739	5.25E-01	U	0 - 0.5
F1190740	1.03E+00	U	0 - 0.5
F1190740	7.68E-01	U	0.5 - 1
F1190741	1.21E+00	U	0 - 0.5
F1190742	7.83E-01	U	0 - 0.5
F1190742	6.43E-01	U	0.5 - 1
F1190743	5.29E-01	U	0 - 0.5
F1190744	6.20E-01	U	0 - 0.5
F1190744	6.57E-01	U	0.5 - 1
F1190745	5.88E-01	U	0 - 0.5
SL0596	2.59E+00		0 - 0.5
SL0596	1.24E+00	U	0.5 - 1
SL0597	2.45E+00		0 - 0.5
SL0612	7.79E-01	U	0.5 - 1
SL0613	1.01E+00	U	0 - 0.5
SL0614	8.86E-01	U	0 - 0.5
SL0614	1.38E+00	U	0.5 - 1
SL0616	1.63E+00	U	0 - 0.5
SL0617	1.54E+00	U	0 - 0.5
SL0617*	1.67E+00	U	0 - 0.5
SL0619	1.18E+00	U	0 - 0.5
SL0620	1.57E+00	U	0 - 0.5
SL0623	8.96E-01	U	0 - 0.5
SL0580	1.53E+00	U	0 - 0.5
SL0581	7.60E-01	U	0.5 - 1
SL0581	1.43E+00	U	0 - 0.5
SL0583	1.06E+00	U	0 - 0.5
SL0583	6.12E-01	U	0.5 - 1
SL0584	8.26E-01	U	0 - 0.5
F1190724	1.04E+00	U	0 - 0.5
F1190724	7.68E-01	U	0.5 - 1
F1190725	1.12E+00	U	0 - 0.5

Table 3-52

Floodplain Soil PCB Results for Tax Parcel 18-85
 (Results in mg/kg; Depth in feet)
 (Continued)

Sample Identification	Result	Qualifier	Depth Interval
F1190726	9.28E-01	U	0 - 0.5
F1190726	6.97E-01	U	0.5 - 1
F1190727	8.33E-01	U	0 - 0.5
F1190728	1.24E+00	U	0 - 0.5
F1190728	6.03E-01	U	0.5 - 1
F1190728*	6.02E-01	U	0.5 - 1
F1190729	9.67E-01	U	0 - 0.5
F1190730	8.79E-01	U	0 - 0.5
F1190730	6.71E-01	U	0.5 - 1
F1190731	7.25E-01	U	0 - 0.5
F1190732	1.02E+00	U	0 - 0.5
F1190732	6.60E-01	U	0.5 - 1
F1190733	1.13E+00	U	0 - 0.5
F1190734	7.84E-01	U	0 - 0.5
F1190734	6.56E-01	U	0.5 - 1
F1190735	1.41E+00	U	0 - 0.5
F1190736	9.19E-01	U	0 - 0.5
F1190736	7.50E-01	U	0.5 - 1
F1190737	1.66E+00	U	0 - 0.5
F1190737*	1.41E+00	U	0 - 0.5
SL0598	1.58E+00	U	0 - 0.5
SL0598	8.48E-01	U	0.5 - 1
SL0599	4.00E-01	J	0 - 0.5
SL0600	6.40E-01	U	0 - 0.5
SL0600	1.08E+00	U	0.5 - 1
SL0601	1.30E+00	U	0 - 0.5
SL0602	5.73E-01	U	0.5 - 1
SL0602	6.16E-01	U	0 - 0.5
SL0603	1.47E+00	U	0 - 0.5
SL0604	7.08E-01	U	0 - 0.5
SL0604	7.76E-01	U	0.5 - 1
SL0605	1.27E+00	U	0 - 0.5
SL0606	9.97E-01	U	0 - 0.5
SL0606	1.51E+00	U	0.5 - 1
SL0607	1.66E+00	U	0 - 0.5
SL0607*	1.64E+00	U	0 - 0.5
SL0608	1.38E+00	U	0 - 0.5
SL0608	1.28E+00	U	0.5 - 1
SL0609	1.67E+00	U	0 - 0.5
SL0610	1.42E+00	U	0 - 0.5
SL0610	1.33E+00	U	0.5 - 1
SL0568	1.08E+00	U	0 - 0.5
SL0569	1.40E+00	U	0 - 0.5
SL0569	8.08E-01	U	0.5 - 1
SL0570	1.65E+00	U	0 - 0.5
SL0571	6.94E-01	U	0.5 - 1
SL0571	9.36E-01	U	0 - 0.5
SL0572	1.52E+00	U	0 - 0.5
SL0573	1.65E+00	U	0 - 0.5

Table 3-52

Floodplain Soil PCB Results for Tax Parcel 18-85
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
SL0573	1.41E+00	U	0.5 - 1
SL0574	1.37E+00	U	0 - 0.5
SL0575	1.42E+00	U	0 - 0.5
SL0575	1.34E+00	U	0.5 - 1
SL0576	1.59E+00	U	0 - 0.5
SL0577	1.43E+00	U	0 - 0.5
SL0577	9.08E-01	U	0.5 - 1
SL0579	1.12E+00	U	0 - 0.5
SL0579	6.54E-01	U	0.5 - 1
SL0579*	6.05E-01	U	0.5 - 1

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-32

1 **3.2.1.2.41 Tax Parcel: 9-18**

2 Although there are currently no residences on tax parcel 9-18, a land use investigation indicated
3 that this tax parcel might be suitable for future residential development. It is approximately 33.3
4 acres. Approximately 32.2 acres lie within the 10-year floodplain and are not designated as high-
5 contact residential property. This property extends to the riverbank.

6 **Floodplain Soil**

7 Thirty-three floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples,
8 26 had detected PCB concentrations. The maximum detected PCB concentration was 321 mg/kg.
9 This concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg. The
10 95% UCL for this area was 5,070 mg/kg. The maximum detected concentration is the EPC
11 because it is less than the 95% UCL. A comparison of the EPC against the SRBC indicates that
12 this area will require further evaluation. Table 3-53 presents the results of the floodplain soil
13 samples collected from tax parcel 9-18. Figure 3-38 presents the locations of the floodplain soil
14 samples collected from tax parcel 9-18.

15

Table 3-53

**Floodplain Soil PCB Results for Tax Parcel 9-18
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 3.21E+02
 Data Distribution: Default (lognormal)
 95% UCL: 5.07E+03
 EPC: 3.21E+02
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
BS000029	2.17E+01	J	0.5 - 1
BS000029	7.70E+01	J	0 - 0.5
BS000030	3.10E+01		0 - 0.5
BS000030	7.97E+01		0.5 - 1
FL000928	3.00E+01		0 - 0.5
FL000928	3.73E+00		0.5 - 1
FL000929	1.66E+00		0.5 - 1
FL000929	7.90E-01	J	0 - 0.5
FL000930	1.20E+01	J	0 - 0.5
FL000930	1.26E+00	U	0.5 - 1
FL001158	3.30E+01		0 - 0.5
FL001162	1.30E+01		0 - 0.5
FL001163	4.74E+00		0 - 0.5
FL001164	5.93E+00		0 - 0.5
FL001178	3.91E+01	J	0 - 0.5
FL001179	6.81E+01	J	0 - 0.5
FL001383	4.80E-02		0 - 0.5
FL001384	2.18E+00		0 - 0.5
FL001385	4.94E+01		0 - 0.5
FL001386	1.42E+01		0 - 0.5
FL001620	1.60E-01		0 - 0.5
FL001620	2.00E-02	U	0.5 - 1
FL001625	4.40E-02	U	0 - 0.5
FL001625	2.40E-02	U	0.5 - 1
FL000794	5.05E+01	J	0 - 0.5
FL000794	4.47E+01	J	0.5 - 1
F1366001	2.70E-02		0 - 0.5
F1366003	6.12E+01	J	0 - 0.5
F1367001	5.01E-01	UJ	0 - 0.5
F1367002	4.20E-02	J	0 - 0.5
F1367003	3.21E+02	J	0 - 0.5
F1491204	6.48E-01	U	0.5 - 1
F1491204	1.47E+00	U	0 - 0.5

J = estimated detected value
 U = not detected at reported value
 UJ = estimated nondetected value
 See Figure 3-38

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1 **3.2.2 Recreational Land Use**

2 Recreational visitors may be exposed to floodplain soil through activities such as hunting,
3 fishing, trapping, canoeing, horseback riding, wading, hiking, dirt bike riding, and picnicking.
4 Properties assumed to support recreational use with area in the floodplain were classified as
5 high- or low-contact recreational exposure areas, based on the likely degree and nature of
6 potential exposure. Concentrations of PCBs in these areas were screened against the appropriate
7 high- or low-contact floodplain soil SRBC of 5 or 7 mg/kg, respectively. This subsection
8 provides the screening evaluation of the recreational properties with high- and low-contact
9 recreational floodplain soil.

10 There are 34 tax parcels in Reaches 5 and 6 considered to represent high-contact recreational
11 exposure. Of the 34 tax parcels identified as high-contact recreational exposure, 33 had
12 maximum detected concentrations or EPC of PCBs that exceeded the recreational high-contact
13 floodplain soil SRBC of 5 mg/kg. Table 3-54 presents the tax parcel ID number, the town in
14 which the tax parcel is located, the table and figure references, and the results of the screening
15 evaluation.

16 There are 10 tax parcels in Reaches 5 and 6 considered to represent low-contact recreational
17 exposure. Of the 10 tax parcels identified as low-contact recreational exposure, seven had
18 maximum detected concentrations or EPC of PCBs that exceeded the recreational low-contact
19 floodplain soil SRBC of 7 mg/kg. Table 3-54 presents the tax parcel ID number, the town in
20 which the tax parcel is located, the table and figure references, and the results of the screening
21 evaluation.

1
2
3

Table 3-54

Summary of the Recreational Floodplain Soil Phase 1 Screening Results

Tax Parcel ID	Contact Scenario	Town	Table/Figure Reference	Screening Result
H6-4-13	High	Pittsfield	Table 3-55; Figure 3-2	Retained
H6-4-5	High	Pittsfield	Table 3-56; Figure 3-2	Retained
I6-1-41	High	Pittsfield	Table 3-57; Figure 3-3	Retained
I6-1-27	High	Pittsfield	Table 3-58; Figure 3-3	Retained
I5-1-1	Low	Pittsfield	Table 3-59; Figure 3-4	Retained
I6-1-1	High	Pittsfield	Table 3-60; Figure 3-3	Retained
I6-2-1	High	Pittsfield	Table 3-61; Figure 3-5	Retained
J6-3-2	High	Pittsfield	Table 3-62; Figure 3-6	Retained
J6-4-2	High	Pittsfield	Table 3-63; Figure 3-8	Retained
J5-2-110	High	Pittsfield	Table 3-64; Figure 3-7	Retained
J5-2-6	High	Pittsfield	Table 3-65; Figure 3-7	Retained
J5-2-105	High	Pittsfield	Table 3-66; Figure 3-9	Retained
J4-3-13	Low	Pittsfield	Table 3-67; Figure 3-11	Retained
J4-3-12	High	Pittsfield	Table 3-68; Figure 3-12	Retained
J3-1-7	High	Pittsfield	Table 3-69; Figure 3-14	Retained
J3-1-6	High	Pittsfield	Table 3-70; Figure 3-14	Retained
K3-1-19	High	Pittsfield	Table 3-71; Figure 3-17	Retained
J2-2-2	Low	Pittsfield	Table 3-72; Figure 3-16	Retained
K3-1-1	High	Pittsfield	Table 3-73; Figure 3-17	Retained
K2-1-5	Low	Pittsfield	Table 3-74; Figure 3-18	Retained
K2-1-4	High	Pittsfield	Table 3-75; Figure 3-18	Retained
K2-1-3	Low	Pittsfield	Table 3-76; Figure 3-18	Retained
K2-1-1	High	Pittsfield	Table 3-77; Figure 3-20	Retained
33-40	High	Lenox	Table 3-78; Figure 3-22	Retained
29-3	High	Lenox	Table 3-79; Figure 3-24	Retained
29-9	High	Lenox	Table 3-80; Figure 3-25	Retained
29-2	High	Lenox	Table 3-81; Figure 3-26	Retained
29-1	Low	Lenox	Table 3-82; Figure 3-27	Retained
24-7	High	Lenox	Table 3-83; Figure 3-29	Retained
19-3	High	Lenox	Table 3-84; Figure 3-30	Retained
19-5	Low	Lenox	Table 3-85; Figure 3-31	Retained
18-84	Low	Lenox	Table 3-86; Figure 3-31	Eliminated
19-2	High	Lenox	Table 3-87; Figure 3-30	Retained

Table 3-54

**Summary of the Recreational Floodplain Soil Phase 1 Screening Results
(Continued)**

Tax Parcel ID	Contact Scenario	Town	Table/Figure Reference	Screening Result
19-1	High	Lenox	Table 3-88; Figure 3-33	Retained
14-4	High	Lenox	Table 3-89; Figure 3-36	Retained
13-2	High	Lenox	Table 3-90; Figure 3-35	Eliminated
18-86	Low	Lenox	Table 3-91; Figure 3-34	Eliminated
13-1	Low	Lenox	Table 3-92; Figure 3-34	Eliminated
1-4	High	Lenox	Table 3-93; Figure 3-36	Retained
1-3	High	Lenox	Table 3-94; Figure 3-37	Retained
1-1	High	Lenox	Table 3-95; Figure 3-37	Retained
2-8	High	Lenox	Table 3-96; Figure 3-37	Retained
2-4	High	Lenox	Table 3-97; Figure 3-38	Retained
9-16	High	Lenox	Table 3-98; Figure 3-38	Retained

- 1 Eliminated – Eliminated from further consideration.
- 2 Retained – Retained for further evaluation in Phase 2.

1 **3.2.2.1 Tax Parcel: H6-4-13**

2 Tax parcel H6-4-13 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as high-contact recreational exposure. It is a small part of what is called
4 the Paintball Area because of the presence of spent paintball cartridges and related material. The
5 Paintball Recreational Area includes all of tax parcel H6-4-5 and the small part of tax parcel
6 H6-4-13 from the utility easement southward. It was assumed that a recreational visitor could be
7 exposed to floodplain soil while playing paintball and engaging in other recreational activities
8 throughout this area. All of this small portion of tax parcel H6-4-13 lies within the 10-year
9 floodplain and extends to the riverbank.

10 **Floodplain Soil**

11 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
12 detected PCB concentrations. The maximum detected PCB concentration was 1.93 mg/kg. This
13 concentration does not exceed the recreational high- and low-contact floodplain soil SRBCs of 5
14 and 7 mg/kg, respectively. However, because this area is part of a larger recreational area that
15 has a significant degree of PCB contamination, it will be retained for further evaluation as part of
16 tax parcel H6-4-5. Table 3-55 presents the results of the floodplain soil samples collected from
17 tax parcel H6-4-13. Figure 3-2 presents the locations of the floodplain soil samples collected
18 from tax parcel H6-4-13.

Table 3-55

**Floodplain Soil PCB Results for Tax Parcel H6-4-13
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 1.93E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000718	1.93E+00		0 - 0.5
FL000718	3.70E-01	J	0.5 - 1

J = estimated detected value

See Figure 3-2

1 **3.2.2.2 Tax Parcel: H6-4-5**

2 Tax parcel H6-4-5 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as high-contact recreational exposure. It is part of what is called the
4 Paintball Area because of the presence of spent paintball cartridges and related material. The
5 Paintball Recreational Area is also located on a small portion of tax parcel H6-4-13. It was
6 assumed that a recreational visitor could be exposed to floodplain soil while playing paintball
7 and engaging in other recreational activities. It is approximately 53.4 acres. Approximately 14.4
8 acres lie within the 10-year floodplain and extend to the riverbank.

9 **Floodplain Soil**

10 Fifty floodplain soil samples (0 to 1 ft) and three duplicate floodplain soil samples were taken
11 from this property. Of these samples, 35 had detected PCB concentrations. The maximum
12 detected PCB concentration was 151 mg/kg. This concentration exceeds the recreational high-
13 and low-contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this
14 area was 83.9 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
15 concentration. A comparison of the EPC against the SRBC indicates that this area will require
16 further evaluation in Phase 2. Table 3-56 presents the results of the floodplain soil samples
17 collected from tax parcel H6-4-5. Figure 3-2 presents the locations of the floodplain soil samples
18 collected from tax parcel H6-4-5.

Table 3-56

**Floodplain Soil PCB Results for Tax Parcel H6-4-5
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 1.51E+02

Data Distribution: Default (lognormal)

95% UCL: 8.39E+01

EPC: 8.39E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
BW0076A	3.90E+01		0.0 - 0.08
BW0077A	3.20E+01		0.0 - 0.08
BW0078A	1.90E+01		0.0 - 0.08
BW0079A	9.30E+00		0.0 - 0.08
BW0080A	3.00E+01		0.0 - 0.08
BW0081A	1.70E+01		0.0 - 0.08
FL000016	1.10E+00	U	0 - 0.5
FL000017	1.51E+00	U	0 - 0.5
FL000018	1.66E+00	U	0 - 0.5
FL000019	1.35E+00	U	0 - 0.5
FL000020	1.42E+00	U	0 - 0.5
FL000719	5.02E-01	U	0 - 0.5
FL000719	5.63E-01	U	0.5 - 1
FL000710	3.33E+01		0 - 0.5
FL000710	5.23E+01		0.5 - 1
FL000711	3.43E+01		0 - 0.5
FL000711	3.98E+01		0.5 - 1
FL000712	5.29E+01	J	0 - 0.5
FL000712	1.51E+02		0.5 - 1
FL000713	4.45E+01		0 - 0.5
FL000713	1.82E+01		0.5 - 1
FL000714	7.42E+00		0 - 0.5
FL000714*	8.94E+00		0 - 0.5
FL000714	2.47E+00		0.5 - 1
FL000715	3.38E+01		0 - 0.5
FL000715	2.43E+01		0.5 - 1
FL000716	1.80E+01		0 - 0.5

Table 3-56

Floodplain Soil PCB Results for Tax Parcel H6-4-5
 (Results in mg/kg; Depth in feet)
 (Continued)

Sample Identification	Result	Qualifier	Depth Interval
FL000716	4.21E+01		0.5 - 1
FL000717	3.97E+01		0 - 0.5
FL000717	1.23E+02		0.5 - 1
FL001327	3.45E+01		0 - 0.5
FL001328	4.09E+01		0 - 0.5
SL0271	2.84E+00		0 - 0.5
SE000918	1.08E+01		0 - 0.5
SL0257	1.61E+01		0 - 0.5
SL0258	9.60E+00		0 - 0.5
SL0259	2.54E+00		0 - 0.5
SL0260	1.44E+00	U	0 - 0.5
SL0261	1.17E+00	U	0 - 0.5
SL0262*	1.84E+00		0 - 0.5
SL0262	2.41E+00	J	0 - 0.5
SL0263	2.07E+00		0 - 0.5
SL0264	2.86E+00		0 - 0.5
F0389402	1.38E+00	U	0 - 0.5
F0389402	1.28E+00	U	0.5 - 1
F0389403	1.31E+00	U	0 - 0.5
F0389404	1.66E+00	U	0 - 0.5
F0389404*	1.33E+00	U	0 - 0.5
F0389404	1.19E+00	U	0.5 - 1
F0389405	1.27E+00	U	0 - 0.5
F0389406	1.39E+00	U	0 - 0.5
F0389406	1.29E+00	U	0.5 - 1
F0389407	2.73E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-2

1 **3.2.2.3 Tax Parcel: I6-1-41**

2 Tax parcel I6-1-41 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as high-contact recreational exposure because of its proximity to
4 residential properties. There are two utility easements that cross this parcel. These easements
5 could be used by individuals while walking, biking, hiking, or engaging in related activities.
6 There is also evidence of fire pits on this property. It is approximately 31.9 acres. Approximately
7 30.9 acres lie within the 10-year floodplain and extend to the riverbank.

8 **Floodplain Soil**

9 Seventy-six floodplain soil samples (0 to 1 ft) and two duplicate floodplain soil samples were
10 taken from this property. Of these samples, 75 had detected PCB concentrations. The maximum
11 detected PCB concentration was 154 mg/kg. This concentration exceeds the recreational high-
12 and low-contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this
13 area was 57.7 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
14 concentration. A comparison of the EPC against the SRBC indicates that this area will require
15 further evaluation. Table 3-57 presents the results of the floodplain soil samples collected from
16 tax parcel I6-1-41. Figure 3-3 presents the locations of the floodplain soil samples collected from
17 tax parcel I6-1-41.

Table 3-57

**Floodplain Soil PCB Results for Tax Parcel I6-1-41
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 1.54E+02
 Data Distribution: Default (lognormal)
 95% UCL: 5.77E+01
 EPC: 5.77E+01
 High-Contact Recreational SRBC: 5.00E+00
 Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SE001246	3.70E+01		0 - 0.17
SE001246	9.46E+00		0 - 0.17
RA89AA150	7.50E+00		0 - 0.5
RA89AA150	1.10E+00		0.5 - 1
FL000029	9.65E-01	U	0 - 0.5
FL000030	8.92E-01	U	0 - 0.5
FL000031	9.63E-01	U	0 - 0.5
FL000075	4.48E+01	J	0 - 0.5
FL000076	3.90E+01	J	0 - 0.5
FL000077	2.80E+01	J	0 - 0.5
FL000078	2.74E+01	J	0 - 0.5
FL000079	1.47E+01	J	0 - 0.5
FL000080	1.32E+01	J	0 - 0.5
FL000081	1.52E+01	J	0 - 0.5
FL000082	2.22E+01	J	0 - 0.5
FL000083	2.57E+01	J	0 - 0.5
FL000084	1.60E+01	J	0 - 0.5
FL000085	1.50E+01	J	0 - 0.5
FL000086	2.04E+01	J	0 - 0.5
FL000087	5.92E+01	J	0 - 0.5
FL000088	1.54E+02	J	0 - 0.5
FL000089	5.43E+01	J	0 - 0.5
FL000090	1.51E+01	J	0 - 0.5
FL000091	2.79E-01	J	0 - 0.5
FL000092	4.90E+00	J	0 - 0.5
FL000093	6.79E+00	J	0 - 0.5
FL000094	9.16E+00	J	0 - 0.5
FL000600	9.52E+01	J	0 - 0.5
FL000601	7.25E+01		0 - 0.5
FL000602	7.85E+01		0 - 0.5
FL000903	1.17E+01		0 - 0.5
FL000903	1.52E+01		0.5 - 1
FL000951	6.58E+00		0 - 0.5
FL000952	1.04E+01		0 - 0.5
FL000953	4.92E+01		0 - 0.5
FL000954	2.24E+01		0 - 0.5
FL001275	7.11E+00		0 - 0.5
FL001276	8.52E+01		0 - 0.5
FL001277	1.07E+02		0 - 0.5

Table 3-57

Floodplain Soil PCB Results for Tax Parcel I6-1-41
 (Results in mg/kg; Depth in feet)
 (Continued)

Sample Identification	Result	Qualifier	Depth Interval
FL001278	4.67E+01		0 - 0.5
FL001628	1.80E+00		0 - 0.5
FL001628	3.20E-01		0.5 - 1
FL001263	1.24E+01		0 - 0.5
FL001263	3.27E-01	J	0.5 - 1
FL001268	9.29E+00		0 - 0.5
FL001268	1.22E+00		0.5 - 1
SL0247	2.26E+00		0 - 0.5
SL0248	3.75E+00		0 - 0.5
SL0249	2.83E+00		0 - 0.5
SL0250	2.23E+00		0 - 0.5
SL0251	3.37E+00		0 - 0.5
SL0252	3.11E+00		0 - 0.5
SL0253	7.59E+00		0 - 0.5
SL0254	5.28E+01		0 - 0.5
SL0255	2.20E+00		0 - 0.5
SL0256	1.03E+00		0 - 0.5
SL0433	1.10E+01		0 - 0.5
SL0434	2.66E+01		0 - 0.5
SL0435	8.32E+00		0 - 0.5
SL0436	4.89E+01		0 - 0.5
SL0438	2.62E+01		0 - 0.5
SL0439	8.46E+00		0 - 0.5
SL0440	2.07E+01		0 - 0.5
SL0441	1.07E+01		0 - 0.5
SL0442*	8.31E-01	J	0 - 0.5
SL0442	1.97E+00		0 - 0.5
F0321202	3.15E+01		0 - 0.5
F0321203	4.00E+01		0 - 0.5
F0321204	1.28E+01		0 - 0.5
F0321205*	1.19E+01		0 - 0.5
F0321205	1.05E+01		0 - 0.5
F0321206	1.25E+01		0 - 0.5
F0330005	8.48E+00	J	0 - 0.5
F0330006	7.55E+01		0 - 0.5
F0332005	1.40E+00	J	0 - 0.5
F0331004	3.97E+01	J	0 - 0.5
F0331005	1.00E+02		0 - 0.5
F0332004	1.55E+01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-3

1 **3.2.2.4 Tax Parcel: I6-1-27**

2 Tax parcel I6-1-27 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as high-contact recreational exposure area because of its proximity to
4 residential properties. Tax parcel I6-1-27 is approximately 2.2 acres. Approximately 0.7 acre is
5 within the 10-year floodplain. Tax parcel I6-1-27 does not border the river; therefore, no
6 riverbank soil and sediment exposure is associated with this property.

7 **Floodplain Soil**

8 Fourteen floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
9 from this property. Of these samples, nine had detected PCB concentrations. The maximum
10 detected PCB concentration was 7.86 mg/kg. This concentration exceeds the recreational high-
11 contact floodplain soil SRBC of 5 mg/kg. The 95% UCL for this property was 6.51 mg/kg. The
12 95% UCL is the EPC because it is less than the maximum detected concentration. A comparison
13 of the EPC against the SRBC indicates that this property will require further evaluation. Table
14 3-58 presents the results of the floodplain soil samples collected from tax parcel I6-1-27. Figure
15 3-3 presents the locations of the floodplain soil samples collected from tax parcel I6-1-27.

Table 3-58

**Floodplain Soil PCB Results for Tax Parcel I6-1-27
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 7.86E+00

Data Distribution: Lognormal

95% UCL: 6.51E+00

EPC: 6.51E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000813	6.62E-01		0.5 - 1
FL000813	7.86E+00		0 - 0.5
FL001272	3.49E+00		0 - 0.5
FL001272	7.96E-01		0.5 - 1
FL001273	7.48E+00		0 - 0.5
FL001273	5.55E-01	U	0.5 - 1
FL001274	3.07E+00		0 - 0.5
FL001274	5.01E-01	U	0.5 - 1
FL001467	1.85E+00		0 - 0.5
FL001467	5.01E-01	U	0.5 - 1
FL001467*	5.02E-01	U	0.5 - 1
FL001577	1.01E+00	J	0 - 0.5
FL001577	5.52E-01	J	0.5 - 1
FL001578	5.01E-01	UJ	0 - 0.5
FL001578	5.01E-01	U	0.5 - 1

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-3

1 **3.2.2.5 Tax Parcel: I5-1-1**

2 Tax parcel I5-1-1 is Miss Hall’s School property. The small amount of area in the floodplain
3 along the river is classified as low-contact recreational exposure because of the presence of a
4 steep bank and dense vegetation during the summer months, likely to be the period of highest
5 contact. It is approximately 78 acres. Approximately 3.4 acres lie within the 10-year floodplain
6 and extend to the riverbank.

7 **Floodplain Soil**

8 Ten floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, nine had
9 detected PCB concentrations. The maximum detected PCB concentration was 82.1 mg/kg. This
10 concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5 and 7
11 mg/kg, respectively. The 95% UCL for this area was 60.3 mg/kg. The 95% UCL is the EPC
12 because it is less than the maximum detected concentration. A comparison of the EPC against the
13 SRBC indicates that this area will require further evaluation. Table 3-59 presents the results of
14 the floodplain soil samples collected from tax parcel I5-1-1. Figure 3-4 presents the locations of
15 the floodplain soil samples collected from tax parcel I5-1-1.

16

Table 3-59

**Floodplain Soil PCB Results for Tax Parcel I5-1-1
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 8.21E+01

Data Distribution: Normal

95% UCL: 6.03E+01

EPC: 6.03E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000802	3.42E+01		0.5 - 1
FL000802	5.19E+01		0 - 0.5
FL000803	4.95E+01		0 - 0.5
FL000803	7.13E+01		0.5 - 1
F0332001	8.55E+00	J	0 - 0.5
F0332002	7.30E+01		0 - 0.5
F0332003	8.21E+01	J	0.5 - 1
F0389501	5.00E-01	UJ	0 - 0.5
F0389502	1.32E+01	J	0 - 0.5
F0389502	5.26E+01	J	0.5 - 1

J = estimated detected value

UJ = estimated nondetected value

See Figure 3-4

1 **3.2.2.6 Tax Parcel I6-1-1**

2 Tax parcel I6-1-1 is owned by the City of Pittsfield Conservation Commission. It is classified as
3 high-contact recreational exposure because of its proximity to residential properties. A utility
4 easement crosses this parcel. This easement could be used by individuals while walking, hiking,
5 or engaging in related activities. It was assumed that a recreational visitor could readily contact
6 floodplain soil. Tax parcel I6-1-1 is approximately 1.08 acres. Approximately 1.05 acres lie
7 within the 10-year floodplain and extend to the riverbank.

8 **Floodplain Soil**

9 Twelve floodplain soil samples (0 to 1 ft) were taken this property. Of these samples, 10 had
10 detected PCB concentrations. The maximum detected PCB concentration was 62.5 mg/kg. This
11 concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5 and 7
12 mg/kg, respectively. The 95% UCL for this area was 629 mg/kg. The maximum detected
13 concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC against
14 the SRBCs indicates that this area will require further evaluation. Table 3-60 presents the results
15 of the floodplain soil samples collected from tax parcel I6-1-1. Figure 3-3 presents the locations
16 of the floodplain soil samples collected from tax parcel I6-1-1.

17

Table 3-60

**Floodplain Soil PCB Results for Tax Parcel I6-1-1
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 6.25E+01

Data Distribution: Default (lognormal)

95% UCL: 6.29E+02

EPC: 6.25E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000904	6.25E+01		0 - 0.5
FL000904	1.85E+01		0.5 - 1
FL000905	1.83E+01		0.5 - 1
FL000905	3.71E+01		0 - 0.5
FL000906	1.38E+01		0 - 0.5
FL000906	1.85E+01		0.5 - 1
FL001262	1.98E+01		0 - 0.5
FL001262	1.02E+00		0.5 - 1
FL001266	5.01E-01	U	0.5 - 1
FL001266	1.48E+00		0 - 0.5
FL001267	4.30E+00		0 - 0.5
FL001267	5.02E-01	U	0.5 - 1

U = not detected at reported value

See Figure 3-3

1 **3.2.2.7 Tax Parcel: I6-2-1**

2 Tax parcel I6-2-1 is owned by the City of Pittsfield Conservation Commission. It is classified as
3 high-contact recreational exposure because of its proximity to residential properties. A utility
4 easement crosses this parcel. This easement could be used by individuals while walking, hiking,
5 biking, or engaging in related activities. It was assumed that a recreational visitor could readily
6 contact floodplain soil. Tax parcel I6-2-1 is approximately 0.80 acre. Approximately 0.74 acre
7 lies within the 10-year floodplain and extends to the riverbank.

8 **Floodplain Soil**

9 Six floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
10 this property. Of these samples, six had detected PCB concentrations. The maximum detected
11 PCB concentration was 6.04 mg/kg. This concentration exceeds the recreational high-contact
12 floodplain soil SRBC of 5 mg/kg. The 95% UCL for this area was 56 mg/kg. The maximum
13 detected concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC
14 against the SRBC indicates that this area will require further evaluation. Table 3-61 presents the
15 results of the floodplain soil samples collected from tax parcel I6-2-1. Figure 3-5 presents the
16 locations of the floodplain soil samples collected from tax parcel I6-2-1.

17

Table 3-61

**Floodplain Soil PCB Results for Tax Parcel I6-2-1
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 6.04E+00

Data Distribution: Lognormal

95% UCL: 5.60E+01

EPC: 6.04E+00

High-Contact SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001265	4.44E-01	J	0.5 - 1
FL001265	1.74E+00		0 - 0.5
FL001269	6.04E+00		0 - 0.5
FL001269	5.07E-01	U	0.5 - 1
FL001629*	2.50E+00		0.5 - 1
FL001629	2.60E+00		0.5 - 1
FL001629	1.40E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-5

1 **3.2.2.8 Tax Parcel: J6-3-2**

2 Tax parcel J6-3-2 is owned by the Massachusetts Audubon Society. It is classified as high-
3 contact recreational exposure because of its use as a canoe launch area and its proximity to
4 residential properties. It was assumed that a recreational visitor could be exposed to floodplain
5 soil during the launch and removal of canoes, among other activities on the site. Tax parcel J6-3-
6 2 is approximately 0.53 acre. Approximately 0.34 acre lies within the 10-year floodplain and
7 extends to the riverbank.

8 **Floodplain Soil**

9 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
10 detected PCB concentrations. The maximum detected PCB concentration was 30.9 mg/kg. This
11 concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5 and 7
12 mg/kg, respectively. The 95% UCL for this area could not be calculated because of the sample
13 size; therefore, the maximum detected concentration is the EPC. A comparison of the EPC
14 against the SRBCs indicates that this area will require further evaluation. Table 3-62 presents the
15 results of the floodplain soil samples collected from tax parcel J6-3-2. Figure 3-6 presents the
16 locations of the floodplain soil samples collected from tax parcel J6-3-2.

17

Table 3-62

**Floodplain Soil PCB Results for Tax Parcel J6-3-2
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 3.09E+01

Data Distribution: NA

95% UCL: NA

EPC: 3.09E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001281	1.66E+01		0 - 0.5
FL001281	3.09E+01		0.5 - 1

NA = not applicable, insufficient number of samples

See Figure 3-6

1

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2

1 **3.2.2.9 Tax Parcel: J6-4-2**

2 Tax parcel J6-4-2 is owned by the Massachusetts Audubon Society. It is classified as high-
3 contact recreational exposure. This area is known as Canoe Meadows recreational area. It was
4 assumed that a recreational visitor could be exposed to floodplain soil while walking, hiking, or
5 engaging in other recreational activities. Tax parcel J6-4-2 is approximately 70 acres.
6 Approximately 49 acres lie within the 10-year floodplain and extend to the riverbank.

7 **Floodplain Soil**

8 Fifty-seven floodplain soil samples (0 to 1 ft) and three duplicate floodplain soil samples were
9 taken from this property. Of these samples, 50 had detected PCB concentrations. The maximum
10 detected PCB concentration was 77.1 mg/kg. This concentration exceeds the recreational high-
11 and low-contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this
12 area was 47.7 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
13 concentration. A comparison of the EPC against the SRBC indicates that this area will require
14 further evaluation. Table 3-63 presents the results of the floodplain soil samples collected from
15 tax parcel J6-4-2. Figure 3-8 presents the locations of the floodplain soil samples collected from
16 tax parcel J6-4-2.

17

Table 3-63

**Floodplain Soil PCB Results for Tax Parcel J6-4-2
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 7.71E+01
 Data Distribution: Default (lognormal)
 95% UCL: 4.77E+01
 EPC: 4.77E+01
 High-Contact Recreational SRBC: 5.00E+00
 Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
BS000053	6.56E+00	J	0 - 0.5
BS000053	6.46E+00	J	0.5 - 1
BS000054	5.03E-01	U	0 - 0.5
BS000054	5.03E-01	U	0.5 - 1
BS000055	1.32E+00		0 - 0.5
BS000055	5.04E-01	U	0.5 - 1
BS000056	5.99E+00		0.5 - 1
BS000056	8.00E+00	J	0 - 0.5
BS000056*	8.09E+00	J	0 - 0.5
FL000688	1.08E+01		0 - 0.5
FL000688	1.54E+01		0.5 - 1
FL000689	2.14E+00		0.5 - 1
FL000689	1.18E+01		0 - 0.5
FL000690	1.39E+01		0 - 0.5
FL000690	1.87E+00		0.5 - 1
FL000366	4.52E+01	J	0 - 0.5
FL000691	2.05E+01		0 - 0.5
FL000691	7.97E+00		0.5 - 1
FL000692	3.26E+01		0 - 0.5
FL000692	1.49E+01		0.5 - 1
FL000693	2.80E+00		0 - 0.5
FL000693	5.03E-01	U	0.5 - 1
FL000694	5.16E-01	U	0.5 - 1
FL000694	4.39E-01	J	0 - 0.5
FL000696	9.19E-01		0 - 0.5
FL000696	5.05E-01		0.5 - 1
FL000698*	5.01E-01	UJ	0 - 0.5
FL000698	2.67E+00	J	0.5 - 1
FL000698	5.00E-01	UJ	0 - 0.5
FL000955	1.34E+01		0 - 0.5

Table 3-63

Floodplain Soil PCB Results for Tax Parcel J6-4-2
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
FL000956	3.95E+00		0 - 0.5
FL000957	3.11E+01	J	0 - 0.5
FL000958	4.10E+01	J	0 - 0.5
FL000826	4.35E+00		0 - 0.5
FL000826	4.83E-01	J	0.5 - 1
FL000827	3.44E+01		0 - 0.5
FL000827	1.54E+01		0.5 - 1
FL000828	3.61E+01		0 - 0.5
FL000828	1.24E+01		0.5 - 1
FL000829	1.51E+01		0 - 0.5
FL000829	3.67E+00		0.5 - 1
FL000830	6.16E+01		0 - 0.5
FL000830	1.14E+01		0.5 - 1
FL001295	6.16E+01		0 - 0.5
FL001296	3.67E+01		0 - 0.5
FL001297	5.15E-01	U	0 - 0.5
FL001472	5.57E+00	J	0 - 0.5
FL001472	8.98E-01	J	0.5 - 1
FL001473	3.06E+00	J	0 - 0.5
FL001473	4.68E-01	J	0.5 - 1
FL001474	2.90E-01	J	0 - 0.5
FL001474*	5.01E-01	U	0 - 0.5
FL001474	1.04E+00	J	0.5 - 1
F0434004	3.05E+01	J	0 - 0.5
F0434006	5.03E-01	J	0 - 0.5
F0435004	5.04E-01	UJ	0 - 0.5
F0435005	3.71E+01	J	0 - 0.5
F0435006	6.53E+00	J	0 - 0.5
F0436005	6.80E-01	J	0 - 0.5
F0436005	7.71E+01		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-8

1 **3.2.2.10 Tax Parcel: J5-2-110**

2 Tax parcel J5-2-110 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as high-contact recreational exposure because of its proximity to
4 residential properties. This area has a maintained floodplain and an overgrown riverbank with
5 dense vegetation during the summer months. A utility easement crosses this parcel. This
6 easement could be used by individuals while walking, hiking, or engaging in related activities.
7 Tax parcel J5-2-110 is approximately 2.33 acres. Approximately 2.27 acres lie within the 10-year
8 floodplain and extend to the riverbank.

9 **Floodplain Soil**

10 Fourteen floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
11 from this property. Of these samples, 14 had detected PCB concentrations. The maximum
12 detected PCB concentration was 77.2 mg/kg. This concentration exceeds the recreational high-
13 and low-contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this
14 area was 77.5 mg/kg. The maximum detected concentration is the EPC because it is less than the
15 95% UCL. A comparison of the EPC against the SRBCs indicates that this area will require
16 further evaluation. Table 3-64 presents the results of the floodplain soil samples collected from
17 tax parcel J5-2-110. Figure 3-7 presents the locations of the floodplain soil samples collected
18 from tax parcel J5-2-110.

19

Table 3-64

**Floodplain Soil PCB Results for Tax Parcel J5-2-110
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 7.72E+01

Data Distribution: Lognormal

95% UCL: 7.75E+01

EPC: 7.72E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000578	2.24E+01	J	0 - 0.5
FL000578	5.15E-01		0.5 - 1
FL000579	5.15E+00		0 - 0.5
FL000579	3.95E+00		0.5 - 1
FL000580	5.31E+00		0 - 0.5
FL000580	4.13E-01	J	0.5 - 1
FL000581	1.10E+00	J	0 - 0.5
FL000581	6.33E-01	J	0.5 - 1
FL001463	4.60E+00		0 - 0.5
FL001463	5.00E-01	U	0.5 - 1
FL001463*	4.73E+00		0 - 0.5
FL001471	5.38E+00	J	0 - 0.5
FL001471	1.27E+00	J	0.5 - 1
F0434003	1.63E+01	J	0 - 0.5
F0434003	7.72E+01		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-7

1 **3.2.2.11 Tax Parcel: J5-2-6**

2 Tax parcel J5-2-6 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as high-contact recreational exposure area because of its proximity to
4 residential properties. Tax parcel J5-2-6 is approximately 1.0 acre. Approximately 0.86 acre is
5 within the 10-year floodplain. Tax parcel J5-2-6 does not border the river; therefore, no
6 riverbank soil and sediment exposure is associated with this property.

7 **Floodplain Soil**

8 Four floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
9 detected PCB concentrations. The maximum detected PCB concentration was 9.39 mg/kg. This
10 concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5 and 7
11 mg/kg, respectively. The 95% UCL for this area could not be calculated because of sample size;
12 therefore, the maximum detected concentration is the EPC. A comparison of the EPC against the
13 SRBC indicates that this property will require further evaluation. Table 3-65 presents the results
14 of the floodplain soil samples collected from tax parcel J5-2-6. Figure 3-7 presents the locations
15 of the floodplain soil samples collected from tax parcel J5-2-6.

16

Table 3-65

**Floodplain Soil PCB Results for Tax Parcel J5-2-6
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 9.39E+00

Data Distribution: NA

95% UCL: NA

EPC: 9.39E+00

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001285	9.39E+00		0 - 0.5
FL001285	7.40E-01	J	0.5 - 1
FL001286	4.70E+00		0 - 0.5
FL001286	4.18E-01	J	0.5 - 1

J = estimated detected value

NA = not applicable, insufficient number of samples

See Figure 3-7

1 **3.2.2.12 Tax Parcel: J5-2-105**

2 Tax parcel J5-2-105 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as high-contact recreational exposure because of its proximity to
4 residential properties. A utility easement crosses this parcel. This easement could be used by
5 individuals while walking, hiking, or engaging in related activities. Tax parcel J5-2-105 is
6 approximately 5.9 acres. Approximately 5.86 acres lie within the 10-year floodplain and extend
7 to the riverbank.

8 **Floodplain Soil**

9 Twenty-four floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were
10 taken from this property. All of these samples had detected PCB concentrations. The maximum
11 detected PCB concentration was 46 mg/kg. This concentration exceeds the recreational high- and
12 low-contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this area
13 was 25.7 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
14 concentration. A comparison of the EPC against the SRBC indicates that this area will require
15 further evaluation. Table 3-66 presents the results of the floodplain soil samples collected from
16 tax parcel J5-2-105. Figure 3-9 presents the locations of the floodplain soil samples collected
17 from tax parcel J5-2-105.

18

Table 3-66

**Floodplain Soil PCB Results for Tax Parcel J5-2-105
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 4.60E+01

Data Distribution: Lognormal

95% UCL: 2.57E+01

EPC: 2.57E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SE001249	4.30E+00	J	0 - 0.17
SE001249	2.45E+00		0 - 0.17
FL000032	3.80E+00		0 - 0.5
FL000033	1.85E+00		0 - 0.5
FL000034	1.18E+00		0 - 0.5
FL000035*	8.24E-01		0 - 0.5
FL000035	2.09E+00		0 - 0.5
FL000036	5.12E-01	J	0 - 0.5
FL000377	2.30E+01	J	0 - 0.5
FL000378	1.57E+01	J	0 - 0.5
FL000379	6.50E+00	J	0 - 0.5
FL000380	6.04E+00	J	0 - 0.5
FL000589	1.60E+01		0 - 0.5
FL000589	6.80E+00		0.5 - 1
FL000864	4.09E-01	J	0.5 - 1
FL000864	4.30E+00		0 - 0.5
FL000865	1.05E+01		0 - 0.5
FL000865	1.29E+00		0.5 - 1
FL000962	4.06E+01		0 - 0.5
FL001464	1.10E+01		0 - 0.5
FL001464	5.08E+00		0.5 - 1
FL001460	3.19E+01	J	0 - 0.5
FL001460	2.00E+00	J	0.5 - 1
F0435002	6.35E+00	J	0 - 0.5
F0435003	4.60E+01		0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 3-9

1 **3.2.2.13 Tax Parcel: J4-3-13**

2 Tax parcel J4-3-13 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as low-contact recreational exposure. This area is an undeveloped,
4 swampy area with dense vegetation during the summer months. It was assumed that a
5 recreational visitor would not come into contact with floodplain soil on as frequent a basis as
6 high-contact recreational properties. Two utility easements cross this parcel. These easements
7 could be used by individuals while walking, hiking, or engaging in related activities. Tax parcel
8 J4-3-13 is approximately 35 acres. The entire property area lies within the 10-year floodplain and
9 extends to the riverbank.

10 **Floodplain Soil**

11 One hundred twenty-four floodplain soil samples (0 to 1 ft) and six duplicate floodplain soil
12 samples were taken from this property. Of these samples, 127 had detected PCB concentrations.
13 The maximum detected PCB concentration was 874 mg/kg. This concentration exceeds both the
14 recreational high- and low-contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The
15 95% UCL for this area was 100 mg/kg. The 95% UCL is the EPC because it is less than the
16 maximum detected concentration. A comparison of the EPC against the SRBCs indicates that
17 this area will require further evaluation. Table 3-67 presents the results of the floodplain soil
18 samples collected from tax parcel J4-3-13. Figure 3-11 presents the locations of the floodplain
19 soil samples collected from tax parcel J4-3-13.

20

Table 3-67

**Floodplain Soil PCB Results for Tax Parcel J4-3-13
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 8.74E+02
 Data Distribution: Default (lognormal)
 95% UCL: 1.00E+02
 EPC: 1.00E+02
 High-Contact Recreational SRBC: 5.00E+00
 Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SE001248	1.20E+02		0 - 0.17
SE001248*	1.20E+02		0 - 0.17
SE001248	3.58E+01		0 - 0.17
SE001248*	4.29E+01		0 - 0.17
FL000107	6.42E+00	J	0 - 0.5
FL000108	1.15E+01	J	0 - 0.5
FL000109	5.87E+00	J	0 - 0.5
FL000110	1.76E+00	J	0 - 0.5
FL000112	4.23E+00	J	0 - 0.5
FL000113	5.90E+00	J	0 - 0.5
FL000114	9.31E+00	J	0 - 0.5
FL000115	1.62E+01	J	0 - 0.5
FL000098	5.35E+00	J	0 - 0.5
FL000099	1.04E+02	J	0 - 0.5
FL000100	7.78E+01	J	0 - 0.5
FL000101	5.19E+01	J	0 - 0.5
FL000102	1.30E+01	J	0 - 0.5
FL000103	1.44E+02	J	0 - 0.5
FL000104	9.05E+01	J	0 - 0.5
FL000105	7.99E+01	J	0 - 0.5
FL000106	7.07E+00	J	0 - 0.5
FL000122	1.43E+01	J	0 - 0.5
FL000123	4.66E+01	J	0 - 0.5
FL000124	6.41E+01	J	0 - 0.5
FL000125	5.56E+01	J	0 - 0.5
FL000127	1.98E+01	J	0 - 0.5
FL000128	6.25E+00	J	0 - 0.5
FL000129	4.76E+01	J	0 - 0.5
FL000130	9.13E+00	J	0 - 0.5
FL000131	7.47E+01	J	0 - 0.5
FL000132	7.64E+01	J	0 - 0.5
FL000133	3.56E+01	J	0 - 0.5
FL000311	1.32E+01	J	0 - 0.5
FL000312	2.46E+01	J	0 - 0.5
FL000313	2.10E+01	J	0 - 0.5
FL000314	2.65E+01	J	0 - 0.5
FL000394	1.22E+00	J	0 - 0.5
FL000395	4.36E+00	J	0 - 0.5
FL000462	9.33E+01	J	0 - 0.5
FL000463	1.30E+02		0 - 0.5

Table 3-67

Floodplain Soil PCB Results for Tax Parcel J4-3-13
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
FL000464	4.94E+01	J	0 - 0.5
FL000465	1.12E+02	J	0 - 0.5
FL000466	1.21E+02	J	0 - 0.5
FL000467	8.74E+02	J	0 - 0.5
FL000683	2.54E+01	J	0 - 0.5
FL000683	4.91E+01		0.5 - 1
FL000684	3.88E+00		0 - 0.5
FL000684	4.76E-01	J	0.5 - 1
FL000685	1.24E+00	J	0 - 0.5
FL000685	3.16E+00		0.5 - 1
FL000686	1.28E+01		0 - 0.5
FL000686	9.19E+00		0.5 - 1
FL000686*	1.08E+01		0.5 - 1
FL000591	1.90E-02	U	0.5 - 1
FL000591	6.00E-02		0 - 0.5
FL000592	2.30E-01		0 - 0.5
FL000592	4.00E-02		0.5 - 1
FL000592*	2.20E-01		0 - 0.5
FL000593	1.80E+00		0.5 - 1
FL000593	3.90E-01		0 - 0.5
FL000764	1.44E+00		0 - 0.5
FL000764	4.69E-01	J	0.5 - 1
FL000767	2.46E-01	J	0 - 0.5
FL000767	5.02E-01	U	0.5 - 1
FL000966	8.75E+00		0 - 0.5
FL000997	1.14E+01		0 - 0.5
FL000998	3.13E+01		0 - 0.5
FL000999	3.93E+01		0 - 0.5
FL001000	3.79E+01		0 - 0.5
FL001014	1.66E+01		0 - 0.5
FL001015	1.64E+01		0 - 0.5
FL001016	3.56E+01		0 - 0.5
FL000965	5.23E+00		0 - 0.5
FL001292	8.60E+00		0 - 0.5
FL001293	6.55E+00	J	0 - 0.5
SE000933	1.78E+01		0 - 0.5
SL0273	3.46E+01	J	0 - 0.5
SL0274	4.01E+00		0 - 0.5
SL0275	4.75E+00		0 - 0.5
SL0276	4.74E+00		0 - 0.5
SL0277	4.79E+00		0 - 0.5
SL0278	1.62E+00		0 - 0.5
SL0279	3.42E+00		0 - 0.5
SL0281	8.07E+00		0 - 0.5
SL0282	1.89E+00		0 - 0.5
SL0421	6.31E+00		0 - 0.5
SL0422	1.27E+01		0 - 0.5

Table 3-67

**Floodplain Soil PCB Results for Tax Parcel J4-3-13
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
SL0423	2.95E+01		0 - 0.5
SL0424	1.88E+01		0 - 0.5
SL0425	7.99E+00		0 - 0.5
SL0426	2.20E+01		0 - 0.5
SL0427	3.86E+01		0 - 0.5
SL0429	6.55E+00		0 - 0.5
SL0413	1.93E+00		0 - 0.5
SL0414	2.88E+00		0 - 0.5
SL0415	5.31E+00		0 - 0.5
SL0416	4.96E+00		0 - 0.5
SL0417	5.23E+00	J	0 - 0.5
SL0418	6.81E-01	J	0 - 0.5
SL0419*	4.58E+00		0 - 0.5
SL0419	3.48E+00	J	0 - 0.5
SL0420	9.18E-01	U	0 - 0.5
F0437001	1.21E+01	J	0 - 0.5
F0437002	2.90E+01	J	0 - 0.5
F0437002	3.63E+01	J	0 - 0.5
F0437003	6.48E+01		0 - 0.5
F0436002	1.07E+01	J	0 - 0.5
F0489726	3.11E+01	J	0 - 0.5
F0489727	2.42E+01	J	0 - 0.5
F0489727	5.61E+01	J	0.5 - 1
F0489728	4.34E+01		0 - 0.5
F0489729	3.26E+01	J	0.5 - 1
F0489729	1.59E+01	J	0 - 0.5
F0489730	2.64E+01	J	0 - 0.5
F0489731	1.63E+01	J	0 - 0.5
F0489731	5.50E+01	J	0.5 - 1
F0489732	2.89E+01	J	0 - 0.5
F0489718	1.40E+01	J	0 - 0.5
F0489718*	1.08E+01	J	0 - 0.5
F0489719	2.23E+01	J	0.5 - 1
F0489719	2.35E+02	J	0 - 0.5
F0489720	1.03E+01	J	0 - 0.5
F0489721	5.83E+01	J	0.5 - 1
F0489721	1.66E+01	J	0 - 0.5
F0489722	6.34E+01	J	0 - 0.5
F0489723	6.34E+01	J	0 - 0.5
F0489723	1.09E+02	J	0.5 - 1
F0489724	7.63E+01	J	0 - 0.5
F0489725	1.39E+01	J	0 - 0.5
F0489725	3.78E+01	J	0.5 - 1

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-11

1 **3.2.2.14 Tax Parcel: J4-3-12**

2 Tax parcel J4-3-12 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as high-contact recreational exposure because of its proximity to
4 residential properties. This area is an undeveloped, swampy area with dense vegetation during
5 the summer months. It was assumed that a recreational visitor could come into contact with
6 floodplain soil. Two utility easements cross this parcel and afford additional recreational access
7 to this property. Tax parcel J4-3-12 is approximately 7.5 acres. The entire property area lies
8 within the 10-year floodplain and extends to the riverbank.

9 **Floodplain Soil**

10 Forty-two floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, 41
11 had detected PCB concentrations. The maximum detected PCB concentration was 141 mg/kg.
12 This concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5
13 and 7 mg/kg, respectively. The 95% UCL for this area was 106 mg/kg. The 95% UCL is the EPC
14 because it is less than the maximum detected concentration. A comparison of the EPC against the
15 SRBCs indicates that this area will require further evaluation. Table 3-68 presents the results of
16 the floodplain soil samples collected from tax parcel J4-3-12. Figure 3-12 presents the locations
17 of the floodplain soil samples collected from tax parcel J4-3-12.

18

Table 3-68

**Floodplain Soil PCB Results for Tax Parcel J4-3-12
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 1.41E+02

Data Distribution: Default (lognormal)

95% UCL: 1.06E+02

EPC: 1.06E+02

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000111	2.22E+01	J	0 - 0.5
FL000468	3.23E+01	J	0 - 0.5
FL000469	4.54E+01	J	0 - 0.5
FL000393	1.63E+00	J	0 - 0.5
FL001001	7.34E+01		0 - 0.5
FL001017	1.34E+01		0 - 0.5
FL001018	1.07E+01		0 - 0.5
FL001019	5.00E+01		0 - 0.5
FL001312	2.73E+01		0.5 - 1
FL001313	2.38E+01	J	0 - 0.5
FL001314	2.25E+01		0.5 - 1
FL001457	3.90E-01	J	0.5 - 1
FL001457	1.39E+00	J	0 - 0.5
FL001458	2.77E-01	J	0 - 0.5
FL001458	3.46E-01	J	0.5 - 1
FL001459	1.52E+00	J	0 - 0.5
FL001459	6.18E+00	J	0.5 - 1
F0538002	3.27E+01		0 - 0.5
F0538003	1.41E+02		0 - 0.5
F0489703	2.17E+00	J	0.5 - 1
F0489703	1.91E+00	J	0 - 0.5
F0489704	2.63E+01	J	0 - 0.5
F0489705	1.08E+01	J	0 - 0.5
F0489705	5.70E-01	J	0.5 - 1
F0489706	1.45E+01	J	0 - 0.5
F0489707	1.07E+02		0 - 0.5
F0489707	6.15E+01		0.5 - 1
F0489708	2.97E+01	J	0 - 0.5
F0489709	6.37E+01	J	0.5 - 1
F0489709	1.86E+01	J	0 - 0.5
F0489710	2.09E+01	J	0 - 0.5
F0489711	7.62E+00	J	0 - 0.5
F0489711	1.77E+01	J	0.5 - 1
F0489712	4.04E+01	J	0 - 0.5
F0489713	1.20E+01	J	0 - 0.5
F0489713	5.26E+00	J	0.5 - 1
F0489714	5.01E-01	UJ	0 - 0.5
F0489715	4.03E+00	J	0 - 0.5
F0489715	4.37E+01	J	0.5 - 1
F0489716	4.13E+01	J	0 - 0.5
F0489717	1.08E+01	J	0 - 0.5
F0489717	3.77E+01	J	0.5 - 1

J = estimated detected value

UJ = estimated nondetected value

See Figure 3-12

1 **3.2.2.15 Tax Parcel: J3-1-7**

2 Tax parcel J3-1-7 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as high-contact recreational exposure. This area, which is undeveloped
4 and overgrown with dense vegetation during the summer months, has been used for hunting and
5 trapping. A utility easement crosses this parcel. This easement could be used by individuals
6 while walking, hiking, or engaging in related activities. Tax parcel J3-1-7 is approximately 2.0
7 acres. The entire property area lies within the 10-year floodplain and extends to the riverbank.

8 **Floodplain Soil**

9 Four floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
10 detected PCB concentrations. The maximum detected PCB concentration was 89 mg/kg. This
11 concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5 and 7
12 mg/kg, respectively. The 95% UCL for this area could not be calculated because of the sample
13 size; therefore, the maximum detected concentration is the EPC. A comparison of the EPC
14 against the SRBCs indicates that this area will require further evaluation. Table 3-69 presents the
15 results of the floodplain soil samples collected from tax parcel J3-1-7. Figure 3-14 presents the
16 locations of the floodplain soil samples collected from tax parcel J3-1-7.

17

Table 3-69

**Floodplain Soil PCB Results for Tax Parcel J3-1-7
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 8.90E+01

Data Distribution: NA

95% UCL: NA

EPC: 8.90E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001308	4.68E+01		0 - 0.5
FL001307	1.86E+01		0 - 0.5
F0539002	7.59E+01	J	0 - 0.5
F0539003	8.90E+01	J	0 - 0.5

J = estimated detected value

NA = not applicable, insufficient number of samples

See Figure 3-14

1 **3.2.2.16 Tax Parcel: J3-1-6**

2 Tax parcel J3-1-6 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as high-contact recreational exposure. This area, which is an
4 undeveloped swampy area with dense vegetation during the summer months, has been used for
5 hunting and trapping. A utility easement that crosses this parcel and could be used by individuals
6 while walking, hiking, or engaging in related activities. It is approximately 19.6 acres.
7 Approximately 8.2 acres lie within the 10-year floodplain and extend to the riverbank.

8 **Floodplain Soil**

9 Thirty-four floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were
10 taken from this property. Of these samples, 30 had detected PCB concentrations. The maximum
11 detected PCB concentration was 117 mg/kg. This concentration exceeds the recreational high-
12 and low-contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this
13 area was 190 mg/kg. The maximum detected concentration is the EPC because it is less than the
14 95% UCL. A comparison of the EPC against the SRBCs indicates that this area will require
15 further evaluation. Table 3-70 presents the results of the floodplain soil samples collected from
16 tax parcel J3-1-6. Figure 3-14 presents the locations of the floodplain soil samples collected from
17 tax parcel J3-1-6.

18

Table 3-70

**Floodplain Soil PCB Results for Tax Parcel J3-1-6
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 1.17E+02
 Data Distribution: Default (lognormal)
 95% UCL: 1.90E+02
 EPC: 1.17E+02
 High-Contact Recreational SRBC: 5.00E+00
 Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000177	1.07E+01	J	0 - 0.5
FL000178	1.17E+01	J	0 - 0.5
FL000179	4.33E+00	J	0 - 0.5
FL000180	6.46E+01	J	0 - 0.5
FL000171	6.58E+00	J	0 - 0.5
FL000172	1.17E+02	J	0 - 0.5
FL000173	7.80E+01	J	0 - 0.5
FL000174	1.34E+01	J	0 - 0.5
FL000175	8.41E+00	J	0 - 0.5
FL000176	5.89E+00	J	0 - 0.5
FL000748	8.30E-02	J	0 - 0.5
FL000748	5.01E-01	U	0.5 - 1
FL000749	5.03E-01	U	0 - 0.5
FL000749	5.02E-01	U	0.5 - 1
FL001022	3.38E+01	J	0 - 0.5
FL001023	1.59E+01		0 - 0.5
FL001024	1.56E+01		0 - 0.5
FL001025	5.95E+01		0 - 0.5
FL001020	4.52E+01		0 - 0.5
FL001021	3.02E+01		0 - 0.5
FL001303	8.61E+00		0 - 0.5
FL001304	1.89E+01		0 - 0.5
FL001305	4.38E+01		0 - 0.5
FL001306	3.06E+01		0 - 0.5
FL001455	2.75E-01	J	0 - 0.5
FL001455	5.01E-01	UJ	0.5 - 1
FL001456	3.08E-01	J	0 - 0.5
FL001456	5.01E-01	UJ	0.5 - 1
SL0295	9.32E+00		0 - 0.5
SL0296	3.53E+00		0 - 0.5
SL0296*	2.73E+00		0 - 0.5
SL0297	1.53E+01		0 - 0.5
SL0299	2.00E+00		0 - 0.5
SL0300	1.43E+01		0 - 0.5
F0539001	6.00E-01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-14

1 **3.2.2.17 Tax Parcel: K3-1-19**

2 Tax parcel K3-1-19 is owned by the City of Pittsfield Department of Parks and Playgrounds. It is
3 classified as high-contact recreational exposure because of its proximity to residential properties
4 and a network of bike and hiking trails. It was assumed that a recreational visitor could readily
5 come into contact with floodplain soil on this property. Tax parcel K3-1-19 is approximately
6 12.7 acres. Approximately 6.6 acres lie within the 10-year floodplain and extend to the
7 riverbank.

8 **Floodplain Soil**

9 Five floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
10 detected PCB concentrations. The maximum detected PCB concentration was 11.9 mg/kg. This
11 concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5 and 7
12 mg/kg, respectively. The 95% UCL for this area was 9.8 mg/kg. The 95% UCL is the EPC
13 because it is less than the maximum detected concentration. A comparison of the EPC against the
14 SRBCs indicates that this area will require further evaluation. Table 3-71 presents the results of
15 the floodplain soil samples collected from tax parcel K3-1-19. Figure 3-17 presents the locations
16 of the floodplain soil samples collected from tax parcel K3-1-19.

17

Table 3-71

**Floodplain Soil PCB Results for Tax Parcel K3-1-19
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 1.19E+01

Data Distribution: Normal

95% UCL: 9.80E+00

EPC: 9.80E+00

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000704	8.04E+00		0 - 0.5
FL000704	5.44E-01		0.5 - 1
FL001036	1.19E+01	J	0 - 0.5
FL001299	4.43E+00		0 - 0.5
F0641004	4.49E-01	J	0 - 0.5

J = estimated detected value

See Figure 3-17

1 **3.2.2.18 Tax Parcel: J2-2-2**

2 Tax parcel J2-2-2 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. A portion of this area is used for agricultural purposes. This evaluation focuses on areas
4 other than those used for agricultural purposes. The evaluation of the agricultural area is
5 presented in Subsection 3.2.3. This parcel is classified as low-contact recreational exposure. A
6 utility easement crosses this parcel. The remainder of this area is an undeveloped swampy area
7 with dense vegetation during the summer months. Tax parcel J2-2-2 is approximately 115 acres.
8 Approximately 58 acres lie within the 10-year floodplain and extend to the riverbank.

9 **Floodplain Soil**

10 One hundred seventeen floodplain soil samples (0 to 1 ft) and three duplicate floodplain soil
11 samples were taken from the nonagricultural portion of this property. Of these samples, 85 had
12 detected PCB concentrations. The maximum detected PCB concentration was 78.1 mg/kg. This
13 concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5 and 7
14 mg/kg, respectively. The 95% UCL for this area was 16.9 mg/kg. The 95% UCL is the EPC
15 because it is less than the maximum detected concentration. A comparison of the EPC against the
16 SRBC indicates that this property will require further evaluation. Table 3-72 presents the results
17 of the floodplain soil samples collected from tax parcel J2-2-2. Figure 3-16 presents the locations
18 of the floodplain soil samples collected from tax parcel J2-2-2.

19

Table 3-72

**Floodplain Soil PCB Results for Tax Parcel J2-2-2
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 7.81E+01
 Data Distribution: Default (lognormal)
 95% UCL: 1.69E+01
 EPC: 1.69E+01
 High-Contact Recreational SRBC: 5.00E+00
 Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SE001275	9.80E-02	J	0 - 0.17
SE001256	1.20E-01	J	0 - 0.17
SE001256	1.21E-01		0 - 0.17
SE001274	2.50E-01	J	0 - 0.17
SE001274*	3.80E-01	J	0 - 0.17
SE001258	1.20E-01	J	0 - 0.17
SE001258	1.16E-01		0 - 0.17
SL000648	6.28E-01	U	0 - 1
SL000649	6.22E-01	U	0 - 1
SL000650	6.37E-01	U	0 - 1
SL000651*	5.96E-01	U	0 - 1
SL000651	6.05E-01	U	0 - 1
SL000652	6.23E-01	U	0 - 1
SL000653	6.06E-01	U	0 - 1
FL000042	6.80E-01	U	0 - 0.5
FL000043	6.01E-01	U	0 - 0.5
FL000044	5.72E-01	U	0 - 0.5
FL000045	6.04E-01	U	0 - 0.5
FL000046	6.41E-01	U	0 - 0.5
FL000047	6.10E-01	U	0 - 0.5
FL000048	6.84E-01	U	0 - 0.5
FL000049	6.89E-01	U	0 - 0.5
FL000050	1.64E+00	U	0 - 0.5
FL000051	7.82E-01	J	0 - 0.5
FL000052	1.52E+00	U	0 - 0.5
FL000053	1.22E+00	J	0 - 0.5
FL000134	2.81E+00	J	0 - 0.5
FL000135	6.01E+00	J	0 - 0.5
FL000136	5.83E+00	J	0 - 0.5
FL000137	3.49E+00	J	0 - 0.5
FL000138	9.55E-01	UJ	0 - 0.5
FL000139	8.84E+00	J	0 - 0.5
FL000140	3.10E+00	J	0 - 0.5
FL000141	4.64E+00	J	0 - 0.5
FL000142	1.01E+01	J	0 - 0.5
FL000143	1.34E+01	J	0 - 0.5
FL000144	7.12E+00	J	0 - 0.5

Table 3-72

Floodplain Soil PCB Results for Tax Parcel J2-2-2
 (Results in mg/kg; Depth in feet)
 (Continued)

Sample Identification	Result	Qualifier	Depth Interval
FL000145	2.99E+00	J	0 - 0.5
FL000146	3.74E+01	J	0 - 0.5
FL000147	4.83E+00	J	0 - 0.5
FL000148	5.76E+00	J	0 - 0.5
FL000149	1.84E+01	J	0 - 0.5
FL000150	5.75E+01	J	0 - 0.5
FL000151	1.91E+01	J	0 - 0.5
FL000152	1.82E+01	J	0 - 0.5
FL000153	1.42E+01	J	0 - 0.5
FL000154	1.55E+01	J	0 - 0.5
FL000181	1.44E+00	UJ	0 - 0.5
FL000182	2.71E+00	J	0 - 0.5
FL000183	1.24E+01	J	0 - 0.5
FL000184	2.64E+01	J	0 - 0.5
FL000185	7.81E+01	J	0 - 0.5
FL000186	1.93E+01	J	0 - 0.5
FL000187	1.50E+01	J	0 - 0.5
FL000188	1.40E+01	J	0 - 0.5
FL000375	1.50E-01	U	0 - 0.5
FL000376	1.06E+00	UJ	0 - 0.5
FL000381	2.39E+00	J	0 - 0.5
FL000382	1.84E+00	J	0 - 0.5
FL000383	1.43E+00	J	0 - 0.5
FL000384	1.75E+00	J	0 - 0.5
FL000385	2.87E+00	UJ	0 - 0.5
FL000386	2.95E+00	UJ	0 - 0.5
FL000409	2.96E+01	J	0 - 0.5
FL000411	5.40E+00	J	0 - 0.5
FL000412	4.38E+00	J	0 - 0.5
FL000413	1.78E+00	J	0 - 0.5
FL000414	1.38E+00	J	0 - 0.5
FL000415	8.46E-01	J	0 - 0.5
FL000416	4.00E+00		0 - 0.5
FL000417	3.58E+00	J	0 - 0.5
FL000418	2.73E+00	UJ	0 - 0.5
FL000419	2.86E+00	J	0 - 0.5
FL000420	1.01E+00	J	0 - 0.5
FL000421	1.87E+01	J	0 - 0.5
FL001045	9.38E+00		0 - 0.5
FL001026	7.00E+00	J	0 - 0.5
FL001027	3.77E+00	J	0 - 0.5
FL001028	2.80E+00	J	0 - 0.5
FL001029	4.36E+00	J	0 - 0.5
FL001030	4.21E+00	J	0 - 0.5
FL001044	9.61E+00		0 - 0.5

Table 3-72

Floodplain Soil PCB Results for Tax Parcel J2-2-2
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
FL001330	1.07E+00	U	0 - 0.5
FL001331	1.24E+00	J	0 - 0.5
FL001332	1.03E+01		0 - 0.5
FL001333	2.72E+01		0 - 0.5
FL001334	4.04E+00		0 - 0.5
FL001452	5.01E-01	U	0 - 0.5
FL001452	5.00E-01	U	0.5 - 1
FL001453	5.01E-01	U	0.5 - 1
FL001453	5.01E-01	U	0 - 0.5
FL001453*	5.01E-01	U	0 - 0.5
FL001454	5.00E-01	UJ	0.5 - 1
FL001454	5.01E-01	UJ	0 - 0.5
SL0291	2.32E+00		0 - 0.5
SL0292	2.90E+00		0 - 0.5
SL0293	1.06E+00	U	0 - 0.5
SL0294	1.15E+00	U	0 - 0.5
SL0298	1.09E+01		0 - 0.5
F0540001	1.54E+01	J	0 - 0.5
F0540003	3.70E+01	J	0 - 0.5
F0641002	5.80E-01	J	0 - 0.5
F0641003	1.24E+01	J	0 - 0.5
F0642002	6.03E+00	J	0 - 0.5
F0642003	1.10E+01		0 - 0.5
F0489815	1.05E+01		0 - 0.5
F0489815	2.73E+00		0.5 - 1
F0489816	3.66E+01	J	0 - 0.5
F0489816	2.14E+01	J	0.5 - 1
F0489817	5.02E-01	UJ	0 - 0.5
F0489818	8.64E+00	J	0 - 0.5
F0489809	2.42E+00	J	0 - 0.5
F0489809	3.78E-01	J	0.5 - 1
F0489810	5.06E+00	J	0 - 0.5
F0489811	2.02E+01	J	0 - 0.5
F0489811	4.09E+00	J	0.5 - 1
F0489812	7.95E+00	J	0 - 0.5
F0489813	4.32E+01	J	0 - 0.5
F0489813	3.46E+00	J	0.5 - 1
F0489814	2.78E+01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-16

1 **3.2.2.19 Tax Parcel: K3-1-1**

2 Tax parcel K3-1-1 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as high-contact recreational exposure because of its proximity to
4 residential properties. This area is typically mowed once a year and has a network of hiking trails
5 that extend onto the property. It was assumed that a recreational visitor could readily come into
6 contact with floodplain soil. Tax parcel K3-1-1 is approximately 5.5 acres. Approximately 0.45
7 acre lies within the 10-year floodplain and extends to the riverbank.

8 **Floodplain Soil**

9 Nine floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
10 this property. Of these samples, nine had detected PCB concentrations. The maximum detected
11 PCB concentration was 34.1 mg/kg. This concentration exceeds the recreational high- and low-
12 contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this area was
13 25.8 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
14 concentration. A comparison of the EPC against the SRBC indicates that this area will require
15 further evaluation. Table 3-73 presents the results of the floodplain soil samples collected from
16 tax parcel K3-1-1. Figure 3-17 presents the locations of the floodplain soil samples collected
17 from tax parcel K3-1-1.

18

Table 3-73

**Floodplain Soil PCB Results for Tax Parcel K3-1-1
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 3.41E+01

Data Distribution: Normal

95% UCL: 2.58E+01

EPC: 2.58E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000707	3.41E+01		0 - 0.5
FL000707	2.91E+01		0.5 - 1
FL000708	2.91E+01		0 - 0.5
FL000708	1.57E+01		0.5 - 1
FL000709	2.74E+01	J	0 - 0.5
FL000709*	1.60E+01	J	0 - 0.5
FL000709	1.30E+01	J	0.5 - 1
F0642004	1.20E+01	J	0 - 0.5
F0489819	3.48E+00	J	0 - 0.5
F0489819	5.04E-01	UJ	0.5 - 1

* = duplicate sample

J = estimated detected value

UJ = estimated nondetected value

See Figure 3-17

1 **3.2.2.20 Tax Parcel: K2-1-5**

2 Tax parcel K2-1-5 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as a low-contact recreational exposure area because of its relative
4 inaccessibility compared to other recreational properties and the presence of moderate to dense
5 undergrowth throughout the property. Tax parcel K2-1-5 property is approximately 4.2 acres.
6 Approximately 3.2 acres lie within the 10-year floodplain and extend to the riverbank.

7 **Floodplain Soil**

8 Eight floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
9 this property. All of these samples had detected PCB concentrations. The maximum detected
10 PCB concentration was 48.4 mg/kg. This concentration exceeds the recreational high- and low-
11 contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this area was
12 31.5 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
13 concentration. A comparison of the EPC against the SRBC indicates that this property will
14 require further evaluation. Table 3-74 presents the results of the floodplain soil samples collected
15 from tax parcel K2-1-5. Figure 3-18 presents the locations of the floodplain soil samples
16 collected from tax parcel K2-1-5.

17

Table 3-74

**Floodplain Soil PCB Results for Tax Parcel K2-1-5
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 4.84E+01

Data Distribution: Normal

95% UCL: 3.15E+01

EPC: 3.15E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001317	4.84E+01	J	0 - 0.5
FL001317	5.18E+00		0.5 - 1
FL001317*	4.76E+00		0.5 - 1
FL001318	4.47E-01	J	0 - 0.5
FL001318	1.00E-01	J	0.5 - 1
FL001319	3.18E+01		0 - 0.5
FL001319	2.73E+01		0.5 - 1
FL001570	1.84E+01	J	0 - 0.5
FL001570	2.84E+01		0.5 - 1

* = duplicate sample

J = estimated detected value

See Figure 3-18

1 **3.2.2.21 Tax Parcel: K2-1-4**

2 Tax parcel K2-1-4 is owned by the City of Pittsfield Water Department. It is classified as high-
3 contact recreational exposure. A utility easement is located on this property. It was assumed that
4 a recreational visitor could be exposed to floodplain soil while walking, hiking, or engaging in
5 related activities along the easement. It was also assumed that a utility worker could be exposed
6 to floodplain soil during activities such as maintenance or installation of new equipment along
7 the easement. The evaluation of the utility worker exposure is presented in Subsection 3.2.4. This
8 parcel is approximately 0.96 acre. Approximately 0.61 acre lies within the 10-year floodplain
9 and extends to the riverbank.

10 **Floodplain Soil**

11 Five floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, four had
12 detected PCB concentrations. The maximum detected PCB concentration was 67.8 mg/kg. This
13 concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5 and 7
14 mg/kg, respectively. The 95% UCL for this area was much higher than the maximum detected
15 concentration. The maximum detected concentration is the EPC because it is less than the 95%
16 UCL. A comparison of the EPC against the SRBCs indicates that this parcel will require further
17 evaluation. Table 3-75 presents the results of the floodplain soil samples collected from tax
18 parcel K2-1-4. Figure 3-18 presents the locations of the floodplain soil samples collected from
19 tax parcel K2-1-4.

20

Table 3-75

**Floodplain Soil PCB Results for Tax Parcel K2-1-4
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 6.78E+01

Data Distribution: Lognormal

95% UCL: 1.33E+08

EPC: 6.78E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001468	4.71E+00		0 - 0.5
FL001468	6.86E-01	J	0.5 - 1
FL001315	3.77E+01		0 - 0.5
FL001315	6.78E+01		0.5 - 1
F0643006	5.03E-01	UJ	0 - 0.5

J = estimated detected value

UJ = estimated nondetected value

See Figure 3-18

1 **3.2.2.22 Tax Parcel: K2-1-3**

2 Tax parcel K2-1-3 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as low-contact recreational exposure. This parcel is an undeveloped
4 swampy area with dense vegetation during the summer months. Tax parcel K2-1-3 is
5 approximately 1.4 acres. The entire property area lies within the 10-year floodplain and extends
6 to the riverbank.

7 **Floodplain Soil**

8 Six floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, five had
9 detected PCB concentrations. The maximum detected PCB concentration was 47.5 mg/kg. This
10 concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5 and 7
11 mg/kg, respectively. The 95% UCL for this area was much higher than the maximum detected
12 concentration. The maximum detected concentration is the EPC because it is less than the 95%
13 UCL. A comparison of the EPC against the SRBCs indicates that this area will require further
14 evaluation. Table 3-76 presents the results of the floodplain soil samples collected from tax
15 parcel K2-1-3. Figure 3-18 presents the locations of the floodplain soil samples collected from
16 tax parcel K2-1-3.

17

Table 3-76

**Floodplain Soil PCB Results for Tax Parcel K2-1-3
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 4.75E+01

Data Distribution: Lognormal

95% UCL: 8.64E+04

EPC: 4.75E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001469	7.59E+00		0 - 0.5
FL001469	5.01E-01	U	0.5 - 1
FL001316	4.75E+01		0.5 - 1
FL001316	1.38E+01		0 - 0.5
F0643004	8.00E-01	J	0 - 0.5
F0643005	6.02E+00	J	0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 3-18

1 **3.2.2.23 Tax Parcel: K2-1-1**

2 Tax parcel K2-1-1 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as high-contact recreational exposure area because of its proximity to
4 residential properties. Tax parcel K2-1-1 property is approximately 21 acres. Approximately 7.4
5 acres lie within the 10-year floodplain and extend to the riverbank.

6 **Floodplain Soil**

7 Thirteen floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, 10
8 had detected PCB concentrations. The maximum detected PCB concentration was 65.2 mg/kg.
9 This concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5
10 and 7 mg/kg, respectively. The 95% UCL for this area was 829 mg/kg. The maximum detected
11 concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC against
12 the SRBCs indicates that this property will require further evaluation. Table 3-77 presents the
13 results of the floodplain soil samples collected from tax parcel K2-1-1. Figure 3-20 presents the
14 locations of the floodplain soil samples collected from tax parcel K2-1-1.

15

Table 3-77

**Floodplain Soil PCB Results for Tax Parcel K2-1-1
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 6.52E+01
 Data Distribution: Default (Lognormal)
 95% UCL: 8.29E+02
 EPC: 6.52E+01
 High-Contact Recreational SRBC: 5.00E+00
 Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001089	4.25E+00		0 - 0.5
FL001090	1.73E+01		0 - 0.5
FL001091	2.13E+01		0 - 0.5
FL001092	3.47E+01		0 - 0.5
FL001322	2.03E+01		0 - 0.5
FL001470	5.02E+00		0 - 0.5
FL001470	6.93E-01		0.5 - 1
FL001571	4.28E-01	J	0 - 0.5
FL001571	5.01E-01	U	0.5 - 1
FL001572	5.01E-01	U	0 - 0.5
FL001572	5.01E-01	U	0.5 - 1
FL001611	2.84E+01		0 - 0.5
FL001611	6.52E+01		0.5 - 1

J = estimated detected value
 U = not detected at reported value
 See Figure 3-20

1 **3.2.2.24 Tax Parcel: 33-40**

2 Tax parcel 33-40 is a swampy, undeveloped area with dense vegetation during the summer
3 months. It is classified as high-contact recreational exposure. There is a network of horseback
4 riding trails on this parcel. It was assumed that a recreational visitor could use these trails for
5 purposes other than horseback riding, such as walking, hiking, or related activities, and could
6 come in contact with floodplain soil. Tax parcel 33-40 is approximately 70 acres. Approximately
7 30 acres lie within the 10-year floodplain and extend to the riverbank.

8 **Floodplain Soil**

9 Thirty-seven floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples,
10 31 had detected PCB concentrations. The maximum detected PCB concentration was 82.5
11 mg/kg. This concentration exceeds the recreational high- and low-contact floodplain soil SRBCs
12 of 5 and 7 mg/kg, respectively. The 95% UCL for this area was 200 mg/kg. The maximum
13 detected concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC
14 against the SRBCs indicates that this area will require further evaluation. Table 3-78 presents the
15 results of the floodplain soil samples collected from tax parcel 33-40. Figure 3-22 presents the
16 locations of the floodplain soil samples collected from tax parcel 33-40.

17

Table 3-78

**Floodplain Soil PCB Results for Tax Parcel 33-40
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 8.25E+01

Data Distribution: Default (lognormal)

95% UCL: 2.00E+02

EPC: 8.25E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SE000973	5.55E+01		0 - 0.5
FL000541	9.30E+00		0 - 0.5
FL000541	1.80E+00		0.5 - 1
FL000522	5.46E-01	U	0.5 - 1
FL000522	5.69E-01	U	0 - 0.5
FL000523	8.67E-01	U	0.5 - 1
FL000523	8.90E-01	U	0 - 0.5
FL001066	1.53E+01		0 - 0.5
FL001068	1.07E+01		0 - 0.5
FL001069	6.98E+01		0 - 0.5
FL001070	8.25E+01		0 - 0.5
FL001071	5.90E+01		0 - 0.5
FL001072	5.96E+01		0 - 0.5
FL001087	4.18E+01		0 - 0.5
FL001339	1.05E+01		0 - 0.5
FL001349	2.28E+01		0 - 0.5
FL001350	2.36E+00		0 - 0.5
FL001329	1.88E+01		0 - 0.5
FL001351	4.61E+01		0 - 0.5
FL001352	1.51E+01		0 - 0.5
F0747002	3.46E+01	J	0 - 0.5
F0747003	3.50E+01		0 - 0.5
F0848002	8.47E+00	J	0 - 0.5
F0848003	1.50E+01	J	0 - 0.5
F0789910	1.90E+01		0 - 0.5
F0789911	5.03E-01	UJ	0.5 - 1
F0789911	1.11E+01		0 - 0.5
F0789912	1.44E+01	J	0 - 0.5
F0789918	6.06E+01	J	0 - 0.5
F0789919	5.07E-01	UJ	0.5 - 1
F0789919	4.17E-01	J	0 - 0.5
F0789923	2.14E+01		0 - 0.5
F0789924	3.14E+01	J	0 - 0.5
F0789924	5.19E+01		0.5 - 1
F0789926	6.95E+01		0 - 0.5
F0789926	1.19E+00		0.5 - 1
F0789927	3.68E+01		0 - 0.5

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-22

1 **3.2.2.25 Tax Parcel: 29-3**

2 Tax parcel 29-3 is owned by the Commonwealth of Massachusetts. It is classified as high-
3 contact recreational exposure. It is undeveloped and overgrown with dense vegetation during the
4 summer months; however, portions of the property are used extensively by horseback riders and
5 hikers. This area is also used to lesser extent for hunting and trapping. It was assumed that a
6 recreational visitor could readily come into contact with floodplain soil. Tax parcel 29-3 is
7 approximately 83 acres. Approximately 21 acres lie within the 10-year floodplain and extend to
8 the riverbank.

9 **Floodplain Soil**

10 Ninety-three floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were
11 taken from this property. Of these samples, 85 had detected PCB concentrations. The maximum
12 detected PCB concentration was 96.9 mg/kg. This concentration exceeds the recreational high-
13 and low-contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this
14 area was 42.9 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
15 concentration. A comparison of the EPC against the SRBCs indicates that this area will require
16 further evaluation. Table 3-79 presents the results of the floodplain soil samples collected from
17 tax parcel 29-3. Figure 3-24 presents the locations of the floodplain soil samples collected from
18 tax parcel 29-3.

19

Table 3-79

**Floodplain Soil PCB Results for Tax Parcel 29-3
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 9.69E+01

Data Distribution: Default (lognormal)

95% UCL: 4.29E+01

EPC: 4.29E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SE001247	1.80E+01		0 - 0.17
SE001247	8.37E+00		0 - 0.17
SE001267	3.00E+01		0 - 0.17
SE001257	9.40E+01	J	0 - 0.17
SE001257	2.10E+01	J	0 - 0.17
SE001266	1.80E+01		0 - 0.17
SE001264	3.80E+01		0 - 0.17
SE001264	1.33E+01		0 - 0.17
FL000059	7.02E-01	U	0 - 0.5
FL000060	3.28E+00		0 - 0.5
FL000061	7.62E+00		0 - 0.5
FL000062	6.81E+00		0 - 0.5
FL000063	5.31E+00		0 - 0.5
FL000163	8.09E+00	J	0 - 0.5
FL000164	6.82E+00	J	0 - 0.5
FL000165	3.99E-01	J	0 - 0.5
FL000166	1.30E+00	J	0 - 0.5
FL000167	6.76E+00	J	0 - 0.5
FL000197	2.95E+01	J	0 - 0.5
FL000198	1.32E+01	J	0 - 0.5
FL000199	4.26E+01	J	0 - 0.5
FL000200	8.77E+00	J	0 - 0.5
FL000201	2.17E+01	J	0 - 0.5
FL000202	4.16E+01	J	0 - 0.5
FL000203	8.39E+00	J	0 - 0.5
FL000204	4.62E+01	J	0 - 0.5
FL000205	8.05E+01	J	0 - 0.5
FL000206	9.69E+01	J	0 - 0.5
FL000207	2.61E+01	J	0 - 0.5

Table 3-79

**Floodplain Soil PCB Results for Tax Parcel 29-3
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
FL000208	2.26E+01	J	0 - 0.5
FL000209	9.92E+00	J	0 - 0.5
FL000210	4.45E+00	J	0 - 0.5
FL000211	2.01E+01	J	0 - 0.5
FL000212	2.39E+01	J	0 - 0.5
FL000213	5.51E+01	J	0 - 0.5
FL000214	4.37E+01	J	0 - 0.5
FL000215	2.29E+01	J	0 - 0.5
FL000216	1.33E+01	J	0 - 0.5
FL000217	3.88E+01	J	0 - 0.5
FL000218	2.20E+01	J	0 - 0.5
FL000422	4.89E+00	J	0 - 0.5
FL000423	4.21E+00	UJ	0 - 0.5
FL000424	5.55E+00	J	0 - 0.5
FL000425	2.00E+00		0 - 0.5
FL000426	9.03E+00	J	0 - 0.5
FL000427	7.62E-01	J	0 - 0.5
FL000428	1.42E+01	J	0 - 0.5
FL000429	3.31E+01	J	0 - 0.5
FL000430	1.09E+01	J	0 - 0.5
FL000431	2.35E+00	J	0 - 0.5
FL000432	4.71E+00	J	0 - 0.5
FL000433	2.08E+01	J	0 - 0.5
FL000520	5.30E-01	U	0.5 - 1
FL000520	5.58E-01	U	0 - 0.5
FL000603	1.86E+01		0 - 0.5
FL000604	1.89E+01		0 - 0.5
FL000605	3.08E+01		0 - 0.5
FL000615	1.46E+01		0 - 0.5
FL000615*	1.18E+01		0 - 0.5
FL000616	1.37E+01		0 - 0.5
FL000617	1.46E+01	J	0 - 0.5
FL001073	7.74E+01		0 - 0.5
FL001074	3.31E+01		0 - 0.5
FL001075	3.09E+01		0 - 0.5
FL001076	2.83E+01		0 - 0.5

Table 3-79

**Floodplain Soil PCB Results for Tax Parcel 29-3
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
FL001077	2.34E+00		0 - 0.5
FL001078	8.35E+00		0 - 0.5
FL001079	3.38E+01		0 - 0.5
FL001347	7.76E+01		0 - 0.5
SD08RP21	3.61E+01		0 - 0.5
SL0309	5.01E+00		0 - 0.5
SL0310	8.88E+00		0 - 0.5
SL0328	4.93E+00		0 - 0.5
SL0329	3.08E+00		0 - 0.5
SL0330	8.41E-01	U	0 - 0.5
SL0331	1.09E+00	U	0 - 0.5
SL0332	7.89E-01	U	0 - 0.5
SL0333	7.79E-01	U	0 - 0.5
SL0334	1.69E+00		0 - 0.5
SL0335	7.43E-01	U	0 - 0.5
SL0336	1.49E+00		0 - 0.5
SL0301	2.68E+00		0 - 0.5
SL0302	1.41E+01		0 - 0.5
SL0303	1.47E+01		0 - 0.5
SL0304	1.72E+00	J	0 - 0.5
SL0305	1.08E+01		0 - 0.5
SL0306	4.20E+00		0 - 0.5
SL0307	1.03E+01		0 - 0.5
SL0308	3.87E+00		0 - 0.5
F0849002	2.80E+01	J	0 - 0.5
F0849003	2.10E+01	J	0 - 0.5
F0850001	6.71E+01	J	0 - 0.5
F0850002	8.70E+01		0 - 0.5
F0850003	2.00E+01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-24

1 **3.2.2.26 Tax Parcel: 29-9**

2 Tax parcel 29-9 is owned by the Commonwealth of Massachusetts. It is classified as high-
3 contact recreational exposure. This area, which is undeveloped and overgrown with dense
4 vegetation during the summer months, is close to residential areas and may be used for hunting
5 and trapping. It was assumed that a recreational visitor could readily come into contact with
6 floodplain soil. Tax parcel 29-9 is approximately 39 acres. Approximately 15 acres lie within the
7 10-year floodplain and extend to the riverbank.

8 **Floodplain Soil**

9 Twenty floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, 19
10 had detected PCB concentrations. The maximum detected PCB concentration was 126 mg/kg.
11 This concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5
12 and 7 mg/kg, respectively. The 95% UCL for this area was 111 mg/kg. The 95% UCL is the EPC
13 because it is less than the maximum detected concentration. A comparison of the EPC against the
14 SRBCs indicates that this area will require further evaluation. Table 3-80 presents the results of
15 the floodplain soil samples collected from tax parcel 29-9. Figure 3-25 presents the locations of
16 the floodplain soil samples collected from tax parcel 29-9.

17

Table 3-80

**Floodplain Soil PCB Results for Tax Parcel 29-9
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 1.26E+02

Data Distribution: Default (lognormal)

95% UCL: 1.11E+02

EPC: 1.11E+02

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000369	6.62E+01	J	0 - 0.5
FL000370	1.26E+02	J	0 - 0.5
FL000371	6.05E+01	J	0 - 0.5
FL001081	8.33E+01		0 - 0.5
FL001082	1.58E+01		0 - 0.5
FL001083	1.01E+01		0 - 0.5
FL001084	1.53E+01		0 - 0.5
FL001085	1.66E+01		0 - 0.5
FL001086	1.67E+01		0 - 0.5
FL001353	7.09E+01		0 - 0.5
FL001354	1.71E+01		0 - 0.5
FL001355	3.12E+00		0 - 0.5
FL001356	1.01E+01		0 - 0.5
FL001357	2.55E+01		0 - 0.5
FL001358	2.08E+01		0 - 0.5
F0849004	1.11E+01	J	0 - 0.5
F0849005	5.10E-01	UJ	0 - 0.5
F0850004	1.60E+01		0 - 0.5
F0850005	3.59E+01	J	0 - 0.5
F0850006	2.36E+01		0 - 0.5

J = estimated detected value

UJ = estimated nondetected value

See Figure 3-25

1 **3.2.2.27 Tax Parcel: 29-2**

2 Tax parcel 29-2 is owned by the Commonwealth of Massachusetts and includes the John Decker
3 Canoe Launch. It is classified as high-contact recreational exposure. Activities known to occur in
4 this area include the launch and removal of boats, hunting, trapping, hiking, and related
5 activities. It was assumed that a recreational visitor could readily come into contact with
6 floodplain soil. Tax parcel 29-2 is approximately 122 acres. Approximately 102 acres lie within
7 the 10-year floodplain and extend to the riverbank.

8 **Floodplain Soil**

9 Three hundred twelve floodplain soil samples (0 to 1 ft) and 13 duplicate floodplain soil samples
10 were taken from this property. Of these samples, 221 had detected PCB concentrations. The
11 maximum detected PCB concentration was 249 mg/kg. This concentration exceeds the
12 recreational high- and low-contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The
13 95% UCL for this area was 43.9 mg/kg. The 95% UCL is the EPC because it is less than the
14 maximum detected concentration. A comparison of the EPC against the SRBCs indicates that
15 this area will require further evaluation. Table 3-81 presents the results of the floodplain soil
16 samples collected from tax parcel 29-2. Figure 3-26 presents the locations of the floodplain soil
17 samples collected from tax parcel 29-2.

18

Table 3-81

**Floodplain Soil PCB Results for Tax Parcel 29-2
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 2.49E+02

Data Distribution: Default (lognormal)

95% UCL: 4.39E+01

EPC: 4.39E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000054*	1.00E+01		0 - 0.5
FL000054	5.96E+00		0 - 0.5
FL000055	7.07E+00		0 - 0.5
FL000056	6.19E+00		0 - 0.5
FL000057	7.39E+00		0 - 0.5
FL000058	8.36E+00		0 - 0.5
FL000220	4.37E+01	J	0 - 0.5
FL000221	3.74E+01	J	0 - 0.5
FL000222	5.88E+01	J	0 - 0.5
FL000223	4.34E+01	J	0 - 0.5
FL000224	5.40E+01	J	0 - 0.5
FL000225	3.81E+01	J	0 - 0.5
FL000226	1.05E+00	J	0 - 0.5
FL000227	8.21E+01	J	0 - 0.5
FL000228	6.26E+01	J	0 - 0.5
FL000229	1.06E+01	J	0 - 0.5
FL000230	2.98E+01	J	0 - 0.5
FL000231	1.60E+01	J	0 - 0.5
FL000306	1.32E+00	UJ	0 - 0.5
FL000307	7.84E-01	UJ	0 - 0.5
FL000308	7.28E-01	UJ	0 - 0.5
FL000310	4.80E+01	J	0 - 0.5
FL000374	3.63E+01	J	0 - 0.5
FL000397	5.40E+01		0 - 0.5
FL000219	1.38E+01	J	0 - 0.5
FL000232	9.17E+01	J	0 - 0.5
FL000233	3.90E+01	J	0 - 0.5
FL000234	5.42E+01	J	0 - 0.5
FL000235	1.36E+02	J	0 - 0.5
FL000236	5.94E+01	J	0 - 0.5
FL000285	1.38E+00	UJ	0 - 0.5
FL000286	2.82E+01	J	0 - 0.5
FL000287	3.49E+01	J	0 - 0.5
FL000288	1.70E+00	UJ	0 - 0.5
FL000304	9.16E-01	UJ	0 - 0.5
FL000305	5.02E-01	UJ	0 - 0.5
FL000398	3.74E+01	J	0 - 0.5
FL000399	2.83E+01	J	0 - 0.5
FL000400	1.23E+01	J	0 - 0.5
FL000401	7.18E+01	J	0 - 0.5
FL000402	4.14E+00	J	0 - 0.5

Table 3-81

**Floodplain Soil PCB Results for Tax Parcel 29-2
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
FL000403	6.22E+00	J	0 - 0.5
FL000404	7.61E+00	J	0 - 0.5
FL000405	3.96E+01	J	0 - 0.5
FL000406	1.60E+01	J	0 - 0.5
FL000407	8.86E+01	J	0 - 0.5
FL000408	1.96E+01	J	0 - 0.5
FL000410	5.00E+00	J	0 - 0.5
FL000451	4.08E+01	J	0 - 0.5
FL000453	1.22E+02	J	0 - 0.5
FL000454	8.19E+01	J	0 - 0.5
FL000455	2.28E+01	J	0 - 0.5
FL000456	5.70E+01	J	0 - 0.5
FL000670	5.23E-01	U	0 - 0.5
FL000670*	3.87E-01	J	0 - 0.5
FL000671	1.11E+00		0 - 0.5
FL000672	1.76E+01	J	0 - 0.5
FL000672	4.86E+00		0.5 - 1
FL000673	2.24E+01		0 - 0.5
FL000673	1.64E+02		0.5 - 1
FL000674	1.52E+02		0 - 0.5
FL000674	2.10E+01		0.5 - 1
FL000676	9.59E+01		0 - 0.5
FL000676	8.88E+00		0.5 - 1
FL000677	2.20E+01	J	0 - 0.5
FL000677	1.36E+00		0.5 - 1
FL000679	1.80E-02	U	0 - 0.5
FL000680	9.98E+01		0 - 0.5
FL000821	8.83E+00	J	0 - 0.5
FL000821	8.20E+00	J	0.5 - 1
FL000822	5.14E+00	J	0.5 - 1
FL000822	1.02E+00	J	0 - 0.5
FL000823	6.44E+00	J	0 - 0.5
FL000823*	5.63E+00	J	0 - 0.5
FL000823	1.66E+00	J	0.5 - 1
FL000824	1.68E+00	J	0 - 0.5
FL000824	1.35E+00	J	0.5 - 1
FL000825	6.45E+00		0.5 - 1
FL000825	6.20E+01	J	0 - 0.5
FL000665	7.18E+01		0 - 0.5
FL000665	4.23E+01		0.5 - 1
FL000667	4.17E+01	J	0 - 0.5
FL000667	8.96E+00		0.5 - 1
FL000668	5.43E+00		0 - 0.5
FL000668	5.61E+00		0.5 - 1
FL000669	2.50E+00		0.5 - 1
FL000669	4.13E+00		0 - 0.5
FL000681	5.18E-01	U	0 - 0.33
FL000721	5.01E-01	U	0 - 0.5

Table 3-81

**Floodplain Soil PCB Results for Tax Parcel 29-2
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
FL000721	5.07E-01	U	0.5 - 1
FL000722	1.01E+00		0.5 - 1
FL000722	3.11E-01	J	0 - 0.5
FL000723	5.01E-01	U	0 - 0.5
FL000723	5.01E-01	U	0.5 - 1
FL001108	3.83E+01		0 - 0.5
FL001109	1.25E+01		0 - 0.5
FL001110	1.03E+01		0 - 0.5
FL001111	1.89E+01		0 - 0.5
FL001113	1.93E+01		0 - 0.5
FL001114	1.10E+01		0 - 0.5
FL001115	1.21E+02		0 - 0.5
FL001116	2.69E+01		0 - 0.5
FL001118	5.19E+00		0 - 0.5
FL001119	1.10E+01		0 - 0.5
FL001120	2.97E+01		0 - 0.5
FL001121	7.47E+01		0 - 0.5
FL001394	3.78E+01		0 - 0.5
FL001395	8.39E+01		0 - 0.5
FL001396	3.78E+01		0 - 0.5
FL001397	4.73E+01		0 - 0.5
FL001398	1.50E+01		0 - 0.5
FL001399	9.01E+01		0 - 0.5
FL001400	1.02E+02		0 - 0.5
FL001401	1.34E+01		0 - 0.5
FL001427	3.50E+01	J	0 - 0.5
SL0347	1.07E+00	J	0 - 0.5
SL0348	2.22E+00		0 - 0.5
SL0349	1.22E+00		0 - 0.5
SL0350	1.96E+00		0 - 0.5
SL0351	3.37E+00		0 - 0.5
SL0352	3.51E+00		0 - 0.5
SL0353	1.17E+00	U	0 - 0.5
SL0354	8.57E-01	J	0 - 0.5
SL0355	1.40E+00		0 - 0.5
FL000005	1.61E+00	U	0 - 0.5
FL000006	1.66E+00	U	0 - 0.5
FL000007	1.57E+00	U	0 - 0.5
FL000008	1.43E+00	U	0 - 0.5
FL000009	1.61E+00	U	0 - 0.5
FL000010	1.37E+00	U	0 - 0.5
FL000011	8.85E-01	U	0 - 0.5
FL000012	8.04E-01	U	0 - 0.5
FL000013	1.02E+00	U	0 - 0.5
FL000014	9.09E-01	U	0 - 0.5
FL000015	9.19E-01	U	0 - 0.5
SE001251	4.20E+01		0 - 0.17
SE001251	1.65E+01		0 - 0.17

Table 3-81

Floodplain Soil PCB Results for Tax Parcel 29-2
 (Results in mg/kg; Depth in feet)
 (Continued)

Sample Identification	Result	Qualifier	Depth Interval
SL0346	1.21E+00	J	0 - 0.5
FL000001	9.51E-01	U	0 - 0.5
FL000001*	9.48E-01	U	0 - 0.5
FL000002	1.18E+00	U	0 - 0.5
FL000003	1.53E+00	U	0 - 0.5
FL000004	1.49E+00	U	0 - 0.5
FL000252	6.46E-01	UJ	0 - 0.5
FL000253	8.09E-01	J	0 - 0.5
FL000254	4.59E-01	J	0 - 0.5
FL000724	2.10E-02	U	0.5 - 1
FL000724	5.01E-01	U	0 - 0.5
FL000725	5.01E-01	U	0 - 0.5
FL000725	5.01E-01	U	0.5 - 1
FL000726	5.01E-01	U	0.5 - 1
FL000726	4.14E-01	J	0 - 0.5
FL000727	5.01E-01	U	0.5 - 1
FL000727	3.81E-01	J	0 - 0.5
FL000728	8.05E-01		0 - 0.5
FL000728	5.01E-01	U	0.5 - 1
FL000728*	3.29E-01	J	0.5 - 1
FL000816	7.79E-01		0 - 0.5
FL000817	2.91E-01	J	0 - 0.5
FL000818	6.39E-01		0 - 0.5
FL000877	5.33E+01		0 - 0.5
FL000877*	6.11E+01		0 - 0.5
FL000877	2.49E+02		0.5 - 1
FL001176	1.21E+01		0 - 0.5
FL001183	1.66E+00	J	0 - 0.5
FL001183*	1.90E+00	J	0 - 0.5
FL000819	3.27E+00		0 - 0.5
FL000820	7.39E-01		0 - 0.5
FL000871	5.00E-01	U	0 - 0.5
FL000871	4.46E-01	J	0.5 - 1
FL001112	5.06E-01	U	0 - 0.5
FL001123	6.01E+01		0 - 0.5
FL001425	4.52E+01	J	0 - 0.5
FL001426	3.89E+00	J	0 - 0.5
SE001261	4.68E-01		0 - 0.17
SE001261	8.70E-01		0 - 0.17
SE001263	3.60E+00	J	0 - 0.17
SE001263	1.57E+00		0 - 0.17
SE001271*	1.00E-01	U	0 - 0.17
SE001271	1.30E-01	U	0 - 0.17
SE001272	7.50E-01		0 - 0.17
SL0356	7.96E-01	U	0 - 0.5
SL0356*	7.72E-01	U	0 - 0.5
SL0357	9.14E-01	U	0 - 0.5
SL0358	1.17E+00	U	0 - 0.5

Table 3-81

**Floodplain Soil PCB Results for Tax Parcel 29-2
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
SL0359	1.54E+00	U	0 - 0.5
SL0360	7.23E-01	U	0 - 0.5
SL0361	7.74E-01	U	0 - 0.5
SL0362	7.36E-01	U	0 - 0.5
SL0363	1.02E+00	U	0 - 0.5
SL0364	9.91E-01	U	0 - 0.5
SL0365	7.13E-01	U	0 - 0.5
F0851003	3.30E+01	J	0 - 0.5
F0952001	1.49E+00	UJ	0 - 0.5
F0952002	2.34E+01	J	0 - 0.5
F0952003	9.00E+00	J	0 - 0.5
F0954003	2.22E+01	J	0 - 0.5
F1055001	5.07E-01	UJ	0 - 0.5
F1055002	5.08E-01	UJ	0 - 0.5
F1055003	2.30E+01	J	0 - 0.5
F1057001	9.20E-01	J	0 - 0.5
F1057002	4.93E+00	J	0 - 0.5
F1057004	6.71E+00	J	0 - 0.5
F1057005	3.70E+01	J	0 - 0.5
F0851001	2.77E+01	J	0 - 0.5
F0851002	1.01E+02	J	0 - 0.5
F0953001	2.84E+01	J	0 - 0.5
F0953004	7.83E+01	J	0 - 0.5
F0954001	5.17E+00	J	0 - 0.5
F0954002	3.94E+01	J	0 - 0.5
F1056001	4.89E-01	J	0 - 0.5
F1056002	5.05E-01	UJ	0 - 0.5
F1056003	1.20E+01		0 - 0.5
F0890012	2.46E+00		0 - 0.5
F0890012	1.22E+01		0.5 - 1
F0890013	4.70E-01	J	0 - 0.5
F0890014	7.68E-01	U	0 - 0.5
F0890014	7.30E-01	U	0.5 - 1
F0890204	7.52E+01	J	0 - 0.5
F0890205	2.51E+01	J	0 - 0.5
F0890205	6.13E-01	J	0.5 - 1
F0890207	6.97E+01	J	0 - 0.5
F0890207	3.12E+01	J	0.5 - 1
SL0626	8.48E-01	U	0 - 0.5
SL0626	6.93E-01	U	0.5 - 1
SL0627	9.59E-01	U	0 - 0.5
SL0628	9.21E-01	U	0 - 0.5
SL0628	8.05E-01	U	0.5 - 1
SL0634	1.47E+00	U	0 - 0.5
SL0634	1.64E+00	U	0.5 - 1
F0890324	7.27E-01	U	0 - 0.5
F0890324	6.72E-01	U	0.5 - 1
F0890325	8.10E-01	U	0 - 0.5

Table 3-81

Floodplain Soil PCB Results for Tax Parcel 29-2
 (Results in mg/kg; Depth in feet)
 (Continued)

Sample Identification	Result	Qualifier	Depth Interval
F0890325*	8.07E-01	U	0 - 0.5
F0890326	5.33E-01	J	0 - 0.5
F0890326	6.99E-01	U	0.5 - 1
SL0635	6.46E-01	U	0 - 0.5
SL0636	6.02E-01	J	0 - 0.5
SL0636*	3.72E-01	J	0 - 0.5
SL0636	6.26E-01	U	0.5 - 1
SL0637	6.91E-01	U	0 - 0.5
SL0638	6.89E-01	U	0.5 - 1
SL0638	7.30E-01	U	0 - 0.5
SL0639	7.92E-01	U	0 - 0.5
SL0640	7.33E-01	U	0 - 0.5
SL0640	7.00E-01	U	0.5 - 1
SL0641	7.42E-01	U	0 - 0.5
SL0642	7.61E-01	U	0 - 0.5
SL0642	7.19E-01	U	0.5 - 1
F0890002	6.44E+00		0 - 0.5
F0890002	2.11E+01		0.5 - 1
F0890002*	2.55E+01		0.5 - 1
F0890003	1.23E+01		0 - 0.5
F0890004	1.31E+01		0 - 0.5
F0890004	3.13E+00		0.5 - 1
F0890005	4.06E+00		0 - 0.5
F0890006	2.83E+00		0 - 0.5
F0890006	9.44E+00	J	0.5 - 1
F0890007	2.56E+00		0 - 0.5
F0890008	8.92E+00		0 - 0.5
F0890008	4.76E+00		0.5 - 1
F0890009	1.15E+01		0 - 0.5
F0890010	7.72E+00		0 - 0.5
F0890010	5.12E+00		0.5 - 1
F0890011	6.69E+00		0 - 0.5
F0890208	5.34E+01	J	0 - 0.5
F0890209	1.46E+00	J	0.5 - 1
F0890209	1.62E+01	J	0 - 0.5
F0890210	4.67E+01	J	0 - 0.5
F0890211	2.58E+01	J	0 - 0.5
F0890211	2.11E+00	J	0.5 - 1
F0890212	2.68E+01	J	0 - 0.5
F0890213	4.98E+01	J	0 - 0.5
F0890213	4.14E+00	J	0.5 - 1
F0890214	5.43E+01	J	0 - 0.5
F0890215	4.29E+01	J	0 - 0.5
F0890215	1.81E+01	J	0.5 - 1
F0890216	2.86E+01	J	0 - 0.5
F0890216	3.57E+01	J	0.5 - 1
F0890201	5.02E-01	UJ	0 - 0.5
F0890201	5.02E-01	UJ	0.5 - 1

Table 3-81

**Floodplain Soil PCB Results for Tax Parcel 29-2
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
F0890202	2.16E+01	J	0 - 0.5
F0890327	8.12E-01	U	0 - 0.5
F0890328	4.11E-01	J	0 - 0.5
F0890328	6.88E-01	U	0.5 - 1
F0890329	1.93E+00		0 - 0.5
F0890330	4.06E-01	J	0.5 - 1
F0890330	1.51E+00		0 - 0.5
F0890331	7.14E+00		0 - 0.5
F0890332	6.30E+00		0 - 0.5
F0890332	1.82E+01		0.5 - 1
SL0643	7.66E-01	U	0 - 0.5
SL0644	6.77E-01	J	0 - 0.5
SL0644	6.72E-01	U	0.5 - 1
SL0645	6.98E-01	U	0 - 0.5
SL0646	7.13E-01	U	0.5 - 1
SL0646	7.71E-01	U	0 - 0.5
SL0647	7.35E-01	U	0 - 0.5
F0990405	2.67E+01	J	0.5 - 1
F0990405	1.05E+01		0 - 0.5
F0990406	1.84E+01	J	0 - 0.5
F0990407	3.95E+00	J	0 - 0.5
F0990407	6.14E-01	J	0.5 - 1
F0990408	8.48E+00	J	0 - 0.5
F0990409	5.03E-01	UJ	0.5 - 1
F0990409	7.81E+00	J	0 - 0.5
F0990410	1.51E+00		0 - 0.5
F0990411	8.69E+00		0 - 0.5
F0990411	1.75E+00		0.5 - 1
F0990412	5.75E-01	J	0.5 - 1
F0990412	4.87E-01	J	0 - 0.5
F0990413	5.11E-01	U	0 - 0.5
F0990414	5.06E-01	U	0 - 0.5
F0990414	5.05E-01	U	0.5 - 1
F0990415	5.06E-01	U	0 - 0.5
F0990416	5.06E-01	U	0 - 0.5
F0990416	5.05E-01	U	0.5 - 1
F0990416*	5.09E-01	U	0 - 0.5
F0990417	5.06E-01	U	0 - 0.5
F0990418	5.01E-01	UJ	0 - 0.5
F0990418	5.03E-01	UJ	0.5 - 1
F1090501	8.24E+00		0 - 0.5
F1090502	8.97E+00		0 - 0.5
F1090502	2.35E+00		0.5 - 1
F1090503	1.25E+01		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-26

1 **3.2.2.28 Tax Parcel: 29-1**

2 Tax parcel 29-1 is owned by the General Electric Company. It is classified as a low-contact
3 recreational area. It is approximately 79 acres. Approximately 29 acres lie within the 10-year
4 floodplain and extend to the riverbank.

5 **Floodplain Soil**

6 Thirty-six floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
7 from this property. Of these samples, 36 had detected PCB concentrations. The maximum
8 detected PCB concentration was 87.9 mg/kg. This concentration exceeds the recreational low-
9 contact floodplain soil SRBC of 7 mg/kg. The 95% UCL for this area was 58.4 mg/kg. The 95%
10 UCL is the EPC because it is less than the maximum detected concentration. A comparison of
11 the EPC against the SRBC indicates that this area will require further evaluation. Table 3-82
12 presents the results of the floodplain soil samples collected from tax parcel 29-1. Figure 3-27
13 presents the locations of the floodplain soil samples collected from tax parcel 29-1.

14

Table 3-82

**Floodplain Soil PCB Results for Tax Parcel 29-1
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 8.79E+01
 Data Distribution: Default (lognormal)
 95% UCL: 5.84E+01
 EPC: 5.84E+01
 SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000785	5.24E+01		0.5 - 1
FL000785	2.02E+01		0 - 0.5
FL000786	6.13E+01		0.5 - 1
FL000786	2.32E+01		0 - 0.5
FL000786*	2.38E+01		0 - 0.5
FL000787	1.95E+01	J	0 - 0.5
FL000787	3.19E+01	J	0.5 - 1
FL000788	3.67E+01	J	0 - 0.5
FL000788	4.02E+01	J	0.5 - 1
FL000789	9.02E+00	J	0 - 0.5
FL000789	1.84E+01	J	0.5 - 1
FL000790	7.88E+00	J	0 - 0.5
FL000790	1.69E+01	J	0.5 - 1
FL000779	1.95E+01		0 - 0.5
FL000779	2.65E+01		0.5 - 1
FL000780	6.53E+01		0 - 0.5
FL000780	8.79E+01		0.5 - 1
FL000781	8.47E+00		0 - 0.5
FL000781	1.98E+01		0.5 - 1
FL000782	2.25E+01		0 - 0.5
FL000782	5.88E+01		0.5 - 1
FL000783	2.53E+00		0 - 0.5
FL000783	2.42E+00		0.5 - 1
FL000784	8.83E+00		0 - 0.5
FL000784	1.62E+01		0.5 - 1
FL001098	9.53E+00		0 - 0.5
F0851004	1.66E+01	J	0 - 0.5
F0851005	1.70E+01		0 - 0.5
F0851006	3.68E+01	J	0 - 0.5
F0954004	3.05E+01		0 - 0.5
F0952004	3.19E+01	J	0 - 0.5
F0952005	1.70E+01	J	0 - 0.5
F0952006	5.02E-01	U	0 - 0.5
F0953002	2.05E+01	J	0 - 0.5
F0953003	2.68E+01	J	0 - 0.5
F0890001	7.54E+00		0 - 0.5
F0890001	6.24E-01		0.5 - 1

* = duplicate sample
 J = estimated detected value
 U = not detected at reported value
 See Figure 3-27

1 **3.2.2.29 Tax Parcel: 24-7**

2 Tax parcel 24-7 is owned by the Commonwealth of Massachusetts. It is classified as high-
3 contact recreational exposure. This area, which is undeveloped and overgrown with dense
4 vegetation during the summer months, has been used for hunting and trapping. It was assumed
5 that a recreational visitor could readily come into contact with floodplain soil. Tax parcel 24-7 is
6 approximately 18 acres. Approximately 14.5 acres lie within the 10-year floodplain and extend
7 to the riverbank.

8 **Floodplain Soil**

9 Seven floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, five
10 had detected PCB concentrations. The maximum detected PCB concentration was 20 mg/kg.
11 This concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5
12 and 7 mg/kg, respectively. The 95% UCL for this area was 751 mg/kg. The maximum detected
13 concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC against
14 the SRBCs indicates that this area will require further evaluation. Table 3-83 presents the results
15 of the floodplain soil samples collected from tax parcel 24-7. Figure 3-29 presents the locations
16 of the floodplain soil samples collected from tax parcel 24-7.

17

Table 3-83

**Floodplain Soil PCB Results for Tax Parcel 24-7
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 2.00E+01

Data Distribution: Lognormal

95% UCL: 7.51E+02

EPC: 2.00E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000812	3.06E+00	J	0 - 0.5
FL000812	3.29E+00		0.5 - 1
FL001122	5.81E+00		0 - 0.5
FL001433	1.96E+01		0 - 0.5
F1055004	2.00E+01	J	0 - 0.5
F1055005	5.06E-01	UJ	0 - 0.5
F1055006	1.01E+00	UJ	0 - 0.5

J = estimated detected value

UJ = estimated nondetected value

See Figure 3-29

1 **3.2.2.30 Tax Parcel: 19-3**

2 Tax parcel 19-3 is owned by the Commonwealth of Massachusetts. It is classified as high-
3 contact recreational exposure. This parcel is a heavily wooded and swampy area with dense
4 vegetation during the summer months. This area is used for the launch and removal of boats,
5 hunting, trapping, and other activities. It was assumed that a recreational visitor could readily
6 come into contact with floodplain soil. It is approximately 65 acres. Approximately 32 acres lie
7 within the 10-year floodplain and extend to the riverbank.

8 **Floodplain Soil**

9 Ninety-nine floodplain soil samples (0 to 1 ft) and eight duplicate floodplain soil samples were
10 taken from this property. Of these samples, 89 had detected PCB concentrations. The maximum
11 detected PCB concentration was 76.7 mg/kg. This concentration exceeds the recreational high-
12 and low-contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this
13 area was 24 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
14 concentration. A comparison of the EPC against the SRBCs indicates that this area will require
15 further evaluation. Table 3-84 presents the results of the floodplain soil samples collected from
16 tax parcel 19-3. Figure 3-30 presents the locations of the floodplain soil samples collected from
17 tax parcel 19-3.

18

Table 3-84

**Floodplain Soil PCB Results for Tax Parcel 19-3
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 7.67E+01
 Data Distribution: Default (lognormal)
 95% UCL: 2.40E+01
 EPC: 2.40E+01
 High-Contact Recreational SRBC: 5.00E+00
 Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
BS000005	1.33E+00	J	0 - 0.5
FL000255	5.68E+01	J	0 - 0.5
FL000256	5.52E+00	J	0 - 0.5
FL000257	2.97E+01	J	0 - 0.5
FL000258	6.74E+00	J	0 - 0.5
FL000259	1.98E+01	J	0 - 0.5
FL000242	1.17E+01	J	0 - 0.5
FL000243	1.89E+01	J	0 - 0.5
FL000244	2.60E+01	J	0 - 0.5
FL000245	4.64E-01	J	0 - 0.5
FL000246	1.92E+01	J	0 - 0.5
FL000480	2.64E+00	J	0 - 0.5
FL000470	6.80E-01	J	0 - 0.5
FL000471	3.10E-01	J	0 - 0.5
FL000471*	3.00E-01	J	0 - 0.5
FL000472	2.95E+00	J	0 - 0.5
FL000473	3.33E-01	J	0 - 0.5
FL000804	7.67E+01		0 - 0.5
FL000804	6.60E+01		0.5 - 1
FL000805	5.05E-01	U	0.5 - 1
FL000805	5.05E-01	U	0 - 0.5
FL000805*	5.00E-01	U	0 - 0.5
FL000806	3.36E+00		0 - 0.5
FL000806	5.01E-01	U	0.5 - 1
FL000807	1.33E+01		0.5 - 1
FL000807	7.48E+00		0 - 0.5
FL000808	2.04E+00		0.5 - 1
FL000808	6.36E+00		0 - 0.5
FL000926	1.80E+01		0.5 - 1
FL000926	1.61E+01		0 - 0.5
FL000927	1.81E+01		0 - 0.5
FL000927	1.22E+01		0.5 - 1
FL001138	3.11E-01	J	0 - 0.5
FL001139	7.74E+00		0 - 0.5
FL001124	9.72E+00		0 - 0.5
FL001126	1.62E+01	J	0 - 0.5
FL001127	7.58E+00		0 - 0.5
FL001128	7.04E+00		0 - 0.5
FL001133	1.29E+01		0 - 0.5
FL001134	1.29E+01		0 - 0.5
FL001214	5.07E-01	UJ	0 - 0.5
FL001422	1.01E+01	J	0 - 0.5
FL001423	4.07E+01	J	0 - 0.5

Table 3-84

**Floodplain Soil PCB Results for Tax Parcel 19-3
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
FL001424*	9.29E+00	J	0 - 0.5
FL001424	9.67E+00	J	0 - 0.5
FL001418	6.33E+00	J	0 - 0.5
F1056004	1.40E+01	J	0 - 0.5
F1056005	5.05E-01	UJ	0 - 0.5
F1159004	1.36E+01	J	0 - 0.5
F1159005	2.81E+01	J	0 - 0.5
F1159006	6.80E+01	J	0 - 0.5
F1160004	6.21E+00	J	0 - 0.5
F1057003	1.65E+01	J	0 - 0.5
F1058004	1.52E+01	J	0 - 0.5
F1058005	2.88E-01	J	0 - 0.5
F1160005	6.78E+00	J	0 - 0.5
F1160006	5.32E+01	J	0 - 0.5
F1161004	3.67E+01	J	0 - 0.5
F1161005	1.40E+00	J	0 - 0.5
F1090505	3.77E+00		0 - 0.5
F1090506	1.69E+00		0 - 0.5
F1090507	1.58E+00		0 - 0.5
F1090507	5.37E+00		0.5 - 1
F1190702*	3.77E+00		0 - 0.5
F1190702	1.62E+00		0.5 - 1
F1190702	3.43E+00		0 - 0.5
F1190703	1.02E+01		0 - 0.5
SL0530	5.26E-01	U	0 - 0.5
SL0530*	5.27E-01	U	0.5 - 1
SL0530	5.24E-01	U	0.5 - 1
SL0531	8.82E-01	U	0 - 0.5
SL0532	1.02E+00		0 - 0.5
SL0532	5.56E-01	U	0.5 - 1
SL0533	1.22E+00		0 - 0.5
SL0534	3.80E+00		0 - 0.5
SL0549	2.64E+00		0 - 0.5
SL0549	2.60E+01		0.5 - 1
SL0550	2.72E+00		0 - 0.5
SL0551	1.02E+01		0.5 - 1
SL0551	5.72E+00		0 - 0.5
F1090608	5.44E+00		0 - 0.5
F1090609	5.41E+00		0 - 0.5
F1090609	1.34E+01		0.5 - 1
F1190607	7.36E+00		0 - 0.5
F1190607*	6.48E+00		0 - 0.5
F1190607	2.65E+01		0.5 - 1
SL0536	6.72E-01	U	0.5 - 1
SL0536	7.96E-01	U	0 - 0.5
SL0537	1.41E+00	U	0 - 0.5
SL0538	9.75E-01	U	0.5 - 1
SL0538	3.29E+00		0 - 0.5
SL0539	2.65E+00		0 - 0.5

Table 3-84

**Floodplain Soil PCB Results for Tax Parcel 19-3
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
SL0540	3.33E+00		0 - 0.5
SL0540	6.21E-01	U	0.5 - 1
SL0541	5.59E-01	U	0 - 0.5
SL0543	2.84E+00		0 - 0.5
SL0544*	5.52E+00		0 - 0.5
SL0544	2.53E+00		0 - 0.5
SL0545	7.13E+00		0 - 0.5
SL0546	1.21E+00	J	0.5 - 1
SL0546*	1.92E+00		0 - 0.5
SL0546	1.93E+00		0 - 0.5
SL0547	2.72E+00		0 - 0.5
SL0548	1.07E+00		0.5 - 1
SL0548	9.95E-01		0 - 0.5
SL0535	4.39E+00		0.5 - 1
SL0535	6.02E-01	U	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-30

1 **3.2.2.31 Tax Parcel: 19-5**

2 Tax parcel 19-5 is a wooded and swampy area with dense vegetation during the summer months.
3 It is classified as low-contact recreational exposure. It was assumed that a recreational visitor
4 would not come into contact with floodplain soil on as frequent a basis as high-contact
5 recreational properties. Tax parcel 19-5 is approximately 9.4 acres. The entire area lies within the
6 10-year floodplain and extends to the riverbank.

7 **Floodplain Soil**

8 Twelve floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples
9 had detected PCB concentrations. The maximum detected PCB concentration was 49.6 mg/kg.
10 This concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5
11 and 7 mg/kg, respectively. The 95% UCL for this area was 80.5 mg/kg. The maximum detected
12 concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC against
13 the SRBCs indicates that this area will require further evaluation. Table 3-85 presents the results
14 of the floodplain soil samples collected from tax parcel 19-5. Figure 3-31 presents the locations
15 of the floodplain soil samples collected from tax parcel 19-5.

16

Table 3-85

**Floodplain Soil PCB Results for Tax Parcel 19-5
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 4.96E+01

Data Distribution: Lognormal

95% UCL: 8.05E+01

EPC: 4.96E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001129	4.74E+01		0 - 0.5
FL001130	3.72E+01		0 - 0.5
F1057006	1.01E+01	J	0 - 0.5
F1058003	4.96E+01	J	0 - 0.5
F1090504	1.86E+01		0.5 - 1
F1090504	1.17E+01		0 - 0.5
F1190603	3.42E+00		0 - 0.5
F1190603	2.41E+00		0.5 - 1
F1190604	4.92E+00		0 - 0.5
F1190605	1.43E+01		0 - 0.5
F1190605	1.95E+01		0.5 - 1
F1190606	9.72E-01		0 - 0.5

J = estimated detected value

See Figure 3-31

1 **3.2.2.32 Tax Parcel: 18-84**

2 Tax parcel 18-84 is a wooded and swampy area with dense vegetation during the summer
3 months. It is classified as low-contact recreational exposure. It was assumed that a recreational
4 visitor would not come into contact with floodplain soil on as frequent a basis as high-contact
5 recreational properties. Tax parcel 18-84 is approximately 64.3 acres. Approximately 51.2 acres
6 lie within the 10-year floodplain. This property does not border the river; therefore, there is no
7 riverbank soil and sediment associated with this property.

8 **Floodplain Soil**

9 Five floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, two had
10 detected PCB concentrations. The maximum detected PCB concentration was 0.0303 mg/kg.
11 This concentration does not exceed the recreational high- and low-contact floodplain soil SRBCs
12 of 5 and 7 mg/kg, respectively; therefore, this property does not require further evaluation and
13 was eliminated from further consideration. Table 3-86 presents the results of the floodplain soil
14 samples collected from tax parcel 18-84. Figure 3-31 presents the locations of the floodplain soil
15 samples collected from tax parcel 18-84.

16

Table 3-86

**Floodplain Soil PCB Results for Tax Parcel 18-84
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 3.03E-02

Low-Contact Recreational SRBC: 7.00E+00

High-Contact Recreational SRBC: 5.00 E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000576	3.03E-02	J	0 - 0.5
FL000577	3.18E-02	U	0.5 - 1
FL000577	1.72E-02	J	0 - 0.5
FL000878	5.13E-01	U	0 - 0.5
FL000878	5.11E-01	U	0.5 - 1

J = estimated detected value

U = not detected at reported value

See Figure 3-31

1 **3.2.2.33 Tax Parcel: 19-2**

2 Tax parcel 19-2 is owned by the Commonwealth of Massachusetts. It is classified as high-
3 contact recreational exposure. This area has been used for hunting and trapping. It was assumed
4 that a recreational visitor could readily come into contact with floodplain soil. Tax parcel 19-2 is
5 approximately 2.2 acres. Approximately 1.9 acres lie within the 10-year floodplain and extend to
6 the riverbank.

7 **Floodplain Soil**

8 Three floodplain soil samples (0 to 1 ft) were taken from this property. One of these samples had
9 a detected PCB concentration. The detected PCB concentration was 3.92 mg/kg. This
10 concentration does not exceed the recreational high-contact floodplain soil SRBC of 5 mg/kg.
11 Even though the maximum detected PCB concentration was less than the recreational high-
12 contact floodplain soil SRBC, tax parcel 19-2 will require further evaluation given the PCB
13 contamination on the adjacent property, tax parcel 19-3. Table 3-87 presents the results of the
14 floodplain soil samples collected from tax parcel 19-2. Figure 3-30 presents the locations of the
15 floodplain soil samples collected from tax parcel 19-2.

16

17

Table 3-87

**Floodplain Soil PCB Results for Tax Parcel 19-2
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 3.92E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
F1262004	3.92E+00	J	0 - 0.5
F1262005	5.01E-01	UJ	0 - 0.5
F1262006	5.05E-01	UJ	0 - 0.5

J = estimated detected value

UJ = estimated nondetected value

See Figure 3-30

1 **3.2.2.34 Tax Parcel: 19-1**

2 Tax parcel 19-1 is owned by the Commonwealth of Massachusetts. It is classified as high-
3 contact recreational exposure. This parcel, which is a heavily wooded and swampy area with
4 dense vegetation during the summer months, has been used for hunting and trapping. A duck
5 blind area is located on this parcel. It was assumed that a recreational visitor could readily come
6 into contact with floodplain soil. Tax parcel 19-1 is approximately 70 acres. The entire property
7 area lies within the 10-year floodplain and extends to the riverbank.

8 **Floodplain Soil**

9 One hundred forty-two floodplain soil samples (0 to 1 ft) and nine duplicate floodplain soil
10 samples were taken from this property. Of these samples, 85 had detected PCB concentrations.
11 The maximum detected PCB concentration was 93.7 mg/kg. This concentration exceeds the
12 recreational high- and low-contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The
13 95% UCL for this area was 11.9 mg/kg. The 95% UCL is the EPC because it is less than the
14 maximum detected concentration. A comparison of the EPC against the SRBCs indicates that
15 this area will require further evaluation. Table 3-88 presents the results of the floodplain soil
16 samples collected from tax parcel 19-1. Figure 3-33 presents the locations of the floodplain soil
17 samples collected from tax parcel 19-1.

18

Table 3-88

**Floodplain Soil PCB Results for Tax Parcel 19-1
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 9.37E+01
 Data Distribution: Default (lognormal)
 95% UCL: 1.19E+01
 EPC: 1.19E+01
 High-Contact Recreational SRBC: 5.00E+00
 Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
BS000025	3.60E+00		0.5 - 1
BS000025	3.00E+00		0 - 0.5
BS000034	7.00E+01	J	0 - 0.5
BS000034	5.57E+01		0.5 - 1
FL000290	1.76E+00	J	0 - 0.5
FL000291	9.75E-01	UJ	0 - 0.5
FL000292	2.27E+00	UJ	0 - 0.5
FL000293	1.06E+00	UJ	0 - 0.5
FL000294	1.38E+00	UJ	0 - 0.5
FL000372	2.18E+00	J	0 - 0.5
FL000373	2.59E+00	J	0 - 0.5
FL000387	1.05E+00	UJ	0 - 0.5
FL000388	4.51E+00	J	0 - 0.5
FL000389	2.18E+00	UJ	0 - 0.5
FL000390	1.95E+00	UJ	0 - 0.5
FL000598	1.40E+00		0 - 0.5
FL000598	8.70E-01		0.5 - 1
FL000599	1.20E-01		0 - 0.5
FL000599	3.40E-01		0.5 - 1
FL000599*	2.70E-01		0.5 - 1
FL000391	1.12E+00	J	0 - 0.5
FL000392	2.22E+00	J	0 - 0.5
FL000526	5.30E+01		0 - 0.5
FL001135*	7.76E+00		0 - 0.5
FL001135	9.29E+00		0 - 0.5
FL001136	1.32E+01		0 - 0.5
FL001136*	1.23E+01		0 - 0.5
FL001137	1.50E+00		0 - 0.5
FL001137*	1.59E+00		0 - 0.5
FL001140	9.91E+00		0 - 0.5
FL001177	5.56E+00		0 - 0.5
FL001402	3.17E+01		0 - 0.5
FL001413	3.75E+01	J	0 - 0.5
FL000897	5.86E+01		0 - 0.5
FL000897	7.71E+01		0.5 - 1
FL000898	9.37E+01		0.5 - 1
FL000898	3.37E+00		0 - 0.5
FL000900	7.42E-01	J	0 - 0.5
FL000900	7.31E-01	U	0.5 - 1
FL001131	1.31E+01		0 - 0.5
FL001132	1.62E+01		0 - 0.5
FL001414	2.50E+01	J	0 - 0.5

Table 3-88

**Floodplain Soil PCB Results for Tax Parcel 19-1
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
FL001415	4.19E+01	J	0 - 0.5
FL001416	3.65E+00	J	0 - 0.5
FL001417	4.46E+00	J	0 - 0.5
FL001419	3.46E+01	J	0 - 0.5
FL001420	3.06E+01	J	0 - 0.5
FL001421	2.31E+01	J	0 - 0.5
SL0373	8.42E-01	U	0 - 0.5
SL0374	8.91E-01	U	0 - 0.5
SL0375	8.87E-01	U	0 - 0.5
SL0382	1.40E+01		0 - 0.5
SL0383	4.58E+00		0 - 0.5
SL0384	1.46E+00	U	0 - 0.5
SL0385	2.15E+00		0 - 0.5
SL0386	9.88E-01	U	0 - 0.5
SL0387	1.05E+00	U	0 - 0.5
SL0388	8.29E-01	U	0 - 0.5
SL0366	8.09E-01	U	0 - 0.5
SL0367	9.75E-01	U	0 - 0.5
SL0368	8.77E-01	U	0 - 0.5
SL0369	9.42E-01	U	0 - 0.5
SL0370	7.80E-01	U	0 - 0.5
SL0370*	8.11E-01	U	0 - 0.5
SL0371	8.73E-01	U	0 - 0.5
SL0372	8.37E-01	U	0 - 0.5
SL0391	7.72E-01	U	0 - 0.5
SL0496	1.00E+00	U	0 - 0.5
SL0497	1.10E+00	U	0 - 0.5
F1160001	6.00E+01	J	0 - 0.5
F1160002	4.41E-01	J	0 - 0.5
F1160003	4.08E+01	J	0 - 0.5
F1161001	1.05E+00	J	0 - 0.5
F1158001	6.47E+01	J	0 - 0.5
F1158002	2.63E+01	J	0 - 0.5
F1159002	2.66E+01	J	0 - 0.5
F1159003	1.40E+01	J	0 - 0.5
F1161002	5.87E-01	J	0 - 0.5
F1161003	6.71E+01	J	0 - 0.5
F1262001	7.28E-01	J	0 - 0.5
F1262002	2.50E+00	J	0 - 0.5
F1262003	2.06E+01	J	0 - 0.5
F1190601	1.03E+01		0 - 0.5
F1190602	1.14E+01		0 - 0.5
F1190602	4.95E+00		0.5 - 1
F1190704	1.33E+01		0 - 0.5
F1190704	1.21E+01		0.5 - 1
F1190705	6.22E+00		0 - 0.5
F1190706	1.39E+01		0 - 0.5
F1190706	8.30E-01	U	0.5 - 1
F1190707	3.16E+00		0 - 0.5

Table 3-88

**Floodplain Soil PCB Results for Tax Parcel 19-1
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
F1190708	6.38E+00		0 - 0.5
F1190708	3.93E-01	J	0.5 - 1
F1190709	6.43E-01	U	0 - 0.5
F1190710	4.86E+00		0.5 - 1
F1190710	7.45E+00		0 - 0.5
F1190711	4.44E+00		0 - 0.5
F1190712	1.01E+00	J	0 - 0.5
F1190712	1.14E+00	U	0.5 - 1
F1190713	6.39E-01	U	0 - 0.5
F1190714	6.55E-01	U	0 - 0.5
F1190714*	5.85E-01	U	0 - 0.5
F1190714	6.08E-01	U	0.5 - 1
SL0590	3.80E+00	J	0 - 0.5
SL0591	1.49E+00	U	0 - 0.5
SL0591	1.55E+00		0.5 - 1
SL0592	5.11E+00		0 - 0.5
SL0592*	3.20E+00		0 - 0.5
SL0593	1.02E+00	U	0.5 - 1
SL0593	1.66E+00	U	0 - 0.5
SL0594	7.85E-01		0 - 0.5
SL0554	1.45E+00		0 - 0.5
SL0554	5.01E-01	J	0.5 - 1
SL0555	4.19E+00		0 - 0.5
SL0556	8.01E-01	U	0 - 0.5
SL0556	6.74E-01	U	0.5 - 1
SL0557	1.03E+00	U	0 - 0.5
SL0558	9.82E-01	U	0 - 0.5
SL0558*	7.04E-01	U	0 - 0.5
SL0558	7.12E-01	U	0.5 - 1
SL0559	9.11E-01	U	0 - 0.5
SL0560	1.01E+00	U	0 - 0.5
SL0560	6.99E-01	U	0.5 - 1
F1190715	8.43E-01	U	0 - 0.5
F1190716	1.30E+00		0 - 0.5
F1190716	7.25E-01	U	0.5 - 1
F1190717	6.28E-01	J	0 - 0.5
F1190718	9.07E-01	U	0 - 0.5
F1190718	7.42E-01	U	0.5 - 1
F1190719	9.44E-01	U	0 - 0.5
F1190720	8.27E-01	U	0.5 - 1
F1190720	1.03E+00	U	0 - 0.5
SL0552	3.05E+00		0 - 0.5
SL0552	2.77E+00		0.5 - 1
SL0553	5.77E-01	J	0 - 0.5
SL0585	8.80E-01	U	0 - 0.5
SL0585	7.85E-01	U	0.5 - 1
SL0586	8.48E-01	J	0 - 0.5
SL0587	1.57E+00		0 - 0.5
SL0587	8.18E-01	U	0.5 - 1

Table 3-88

**Floodplain Soil PCB Results for Tax Parcel 19-1
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
SL0588	1.56E+00	U	0 - 0.5
SL0589	1.52E+00	U	0.5 - 1
SL0589	1.62E+00	U	0 - 0.5
SL0561	1.18E+00	U	0 - 0.5
SL0562	8.98E-01	U	0 - 0.5
SL0562	6.83E-01	U	0.5 - 1
SL0563	9.76E-01	U	0 - 0.5
SL0564	9.55E-01	U	0 - 0.5
SL0564	7.11E-01	U	0.5 - 1
SL0564*	7.06E-01	U	0.5 - 1
SL0565	1.61E+00	U	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-33

1 **3.2.2.35 Tax Parcel: 14-4**

2 Tax parcel 14-4 is owned by the Town of Lenox. It is classified as high-contact recreational
3 exposure. This parcel, which is a heavily wooded and swampy area with dense vegetation during
4 the summer months, is used for hunting and trapping. It was assumed that a recreational visitor
5 could readily come into contact with floodplain soil. Tax parcel 14-4 is approximately 87 acres.
6 The entire property area lies within the 10-year floodplain and extends to the riverbank.

7 **Floodplain Soil**

8 Eighty-five floodplain soil samples (0 to 1 ft) and five duplicate floodplain soil samples were
9 taken from this property. Of these samples, 43 had detected PCB concentrations. The maximum
10 detected PCB concentration was 80 mg/kg. This concentration exceeds the recreational high- and
11 low-contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this area
12 was 18.1 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
13 concentration. A comparison of the EPC against the SRBCs indicates that this area will require
14 further evaluation. Table 3-89 presents the results of the floodplain soil samples collected from
15 tax parcel 14-4. Figure 3-36 presents the locations of the floodplain soil samples collected from
16 tax parcel 14-4.

17

Table 3-89

**Floodplain Soil PCB Results for Tax Parcel 14-4
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 8.00E+01
 Data Distribution: Default (lognormal)
 95% UCL: 1.81E+01
 EPC: 1.81E+01
 High-Contact Recreational SRBC: 5.00E+00
 Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
BS000031	4.15E+00	J	0 - 0.5
BS000031	1.40E+01	J	0.5 - 1
BS000032	6.97E-01	U	0.5 - 1
BS000032	2.67E+00	J	0 - 0.5
BS000033	6.80E+01		0.5 - 1
BS000033	1.15E+01		0 - 0.5
FL000540	3.40E+01		0 - 0.5
FL000532	1.80E+01		0 - 0.5
FL000533	2.30E+01		0 - 0.5
FL001142	7.36E+00		0 - 0.5
FL001143	9.66E+00		0 - 0.5
FL001146	5.21E+01		0 - 0.5
FL001149	1.33E+01		0 - 0.5
FL001150	1.57E+01		0 - 0.5
FL001151	1.28E+01		0 - 0.5
FL000901	2.45E+01		0 - 0.5
FL000902	6.26E-01		0 - 0.5
FL001152	2.04E+01		0 - 0.5
FL001153	1.30E+01	J	0 - 0.5
FL001154*	1.74E+01		0 - 0.5
FL001154	1.37E+01		0 - 0.5
FL001155	7.08E+00		0 - 0.5
FL001390	2.48E+01	J	0 - 0.5
FL001391	8.37E+00		0 - 0.5
FL001392	2.88E+01		0 - 0.5
FL001392*	2.79E+01		0 - 0.5
FL001371	1.47E+01		0 - 0.5
FL001372	1.01E+01		0 - 0.5
FL001373	1.46E+01		0 - 0.5
FL001374	3.53E+01		0 - 0.5
FL001375	4.84E+01		0 - 0.5
FL001393	4.91E+01		0 - 0.5
SL0499	1.30E+00	U	0 - 0.5
SL0500	9.00E-01	U	0 - 0.5
SL0501	7.80E-01	U	0 - 0.5
SL0502	1.70E+00	U	0 - 0.5
SL0503	1.50E+00	U	0 - 0.5
SL0504	1.34E+00	U	0 - 0.5
SL0505	1.32E+00	U	0 - 0.5
SL0505*	1.28E+00	U	0 - 0.5
SL0506	1.47E+00	U	0 - 0.5
SL0507	1.34E+00	U	0 - 0.5
SL0508	1.23E+00	U	0 - 0.5
SL0509	1.57E+00	U	0 - 0.5

Table 3-89

Floodplain Soil PCB Results for Tax Parcel 14-4
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
SL0510	1.19E+00	U	0 - 0.5
SL0491	1.10E+00	U	0 - 0.5
SL0492	1.40E+00	U	0 - 0.5
SL0493	1.30E+00	U	0 - 0.5
SL0494	1.20E+00	U	0 - 0.5
SL0495	9.40E-01	U	0 - 0.5
SL0498	1.50E+00	U	0 - 0.5
F1263001	8.34E-01	J	0 - 0.5
F1263002	1.20E+00	J	0 - 0.5
F1263003	6.62E+01	J	0 - 0.5
F1264001	5.33E-01	J	0 - 0.5
F1264002	8.07E+00	J	0 - 0.34
F1264003	4.00E+01	J	0 - 0.5
F1265001	9.07E-01	J	0 - 0.5
F1265002	4.78E+00	J	0 - 0.5
F1265003	8.00E+01	J	0 - 0.5
F1391121	1.56E+00	U	0 - 0.5
F1391121	9.26E-01	U	0.5 - 1
F1391121*	8.50E-01	U	0.5 - 1
F1391122	9.85E-01	U	0 - 0.5
F0991011	1.13E+00	U	0 - 0.5
F0991012	7.00E-01	U	0.5 - 1
F0991012	1.06E+00	U	0 - 0.5
F0991013	1.12E+00	U	0 - 0.5
F0991013	7.79E-01	U	0.5 - 1
F0991014	1.00E+00	U	0 - 0.5
F0991015	6.86E-01	U	0.5 - 1
F0991015	9.40E-01	U	0 - 0.5
F0991016	8.79E-01	U	0 - 0.5
F0991017	7.44E-01	U	0.5 - 1
F0991017	1.21E+00	U	0 - 0.5
F0991018	1.24E+00	U	0 - 0.5
F0991019	8.89E-01	U	0.5 - 1
F0991019	1.62E+00	U	0 - 0.5
F0991020	1.64E+00	U	0 - 0.5
F0991021	1.45E+00	U	0 - 0.5
F0991021	1.10E+00	U	0.5 - 1
F1391006	8.82E-01	U	0 - 0.5
F1391007	1.51E+00		0.5 - 1
F1391007*	9.46E-01	U	0 - 0.5
F1391007	1.03E+00	U	0 - 0.5
F1391008	1.03E+00		0 - 0.5
F1391009	1.34E+00	J	0.5 - 1
F1391009	1.62E+00	U	0 - 0.5
F1391010	1.52E+00	U	0 - 0.5
F1391120	1.63E+00	U	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-36

1 **3.2.2.36 Tax Parcel: 13-2**

2 Tax parcel 13-2 is owned by the Town of Lenox. It is classified as high-contact recreational
3 exposure. Activities at this property include hunting, hiking, and biking. It was assumed that a
4 recreational visitor could readily come into contact with floodplain soil. Tax parcel 13-2 is
5 approximately 195 acres. Approximately 68 acres lie within the 10-year floodplain. Tax parcel
6 13-2 does not border the river; therefore, there is no riverbank soil and sediment associated with
7 this property.

8 **Floodplain Soil**

9 Thirty-nine floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were
10 taken from this property. Of these samples, five had detected PCB concentrations. The maximum
11 detected PCB concentration was 0.0188 mg/kg. This concentration does not exceed the
12 recreational high-contact floodplain soil SRBC of 5 mg/kg; therefore, this property does not
13 require further evaluation and was eliminated from further consideration. Table 3-90 presents the
14 results of the floodplain soil samples collected from tax parcel 13-2. Figure 3-35 presents the
15 locations of the floodplain soil samples collected from tax parcel 13-2.

16

Table 3-90

**Floodplain Soil PCB Results for Tax Parcel 13-2
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 1.88E-02

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000544	1.69E-02	U	0 - 0.5
FL000544	9.22E-03	J	0.5 - 1
FL000545	7.53E-03	J	0 - 0.5
FL000546	1.11E-02	J	0 - 0.5
FL000547	1.88E-02		0 - 0.5
FL000547	1.42E-02	J	0.5 - 1
FL000886	8.35E-01	U	0 - 0.5
FL000886	7.39E-01	U	0.5 - 1
FL000888	1.78E+00	U	0 - 0.5
FL000888	1.00E+00	UJ	0.5 - 1
FL000889	1.00E+00	UJ	0 - 0.5
FL000889	7.44E-01	UJ	0.5 - 1
FL000891	3.10E-02	U	0.5 - 1
FL000891	9.53E-01	UJ	0 - 0.5
FL001172	1.18E+00	U	0 - 0.5
FL001173	5.11E-01	UJ	0 - 0.5
FL001174	1.33E+00	UJ	0 - 0.5
FL001434	1.05E+00	U	0 - 0.5
FL001437	1.67E+00	U	0 - 0.5
F1391026	1.47E+00	U	0 - 0.5
F1391026	1.49E+00	U	0.5 - 1
F1391027	1.53E+00	U	0 - 0.5
F1391028	1.51E+00	U	0 - 0.5
F1391028	1.49E+00	U	0.5 - 1
F1391029	1.53E+00	U	0 - 0.5
F1391030	1.62E+00	U	0 - 0.5
F1391030	1.38E+00	U	0.5 - 1
F1391031	1.64E+00	U	0 - 0.5
F1391032	1.44E+00	U	0.5 - 1
F1391032	1.55E+00	U	0 - 0.5
F1391024	1.47E+00	U	0 - 0.5
F1391024*	1.62E+00	U	0 - 0.5
F1391024	1.31E+00	U	0.5 - 1
F1391025	1.42E+00	U	0 - 0.5
F1391125	8.53E-01	U	0 - 0.5
F1391125	6.75E-01	U	0.5 - 1
F1391126	8.85E-01	U	0 - 0.5
F1391127	8.72E-01	U	0 - 0.5
F1391127	7.47E-01	U	0.5 - 1
F1391128	7.06E-01	U	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-35

1 **3.2.2.37 Tax Parcel: 18-86**

2 Tax parcel 18-86 is a wooded and swampy area with dense vegetation during the summer
3 months. It is classified as low-contact recreational exposure. It was assumed that a recreational
4 visitor would not come into contact with floodplain soil on as frequent a basis as high-contact
5 recreational areas. Tax parcel 18-86 is approximately 66 acres. Approximately 2.1 acres lie
6 within the 10-year floodplain. This property does not border the river; therefore, there is no
7 riverbank soil and sediment associated with this property.

8 **Floodplain Soil**

9 One floodplain soil sample (0 to 0.5 ft) was taken from this property. This sample did not have a
10 detected PCB concentration. Based on this result, this property does not require further
11 evaluation and was eliminated from further consideration. Table 3-91 presents the results of the
12 floodplain soil samples collected from tax parcel 18-86. Figure 3-34 presents the locations of the
13 floodplain soil samples collected from tax parcel 18-86.

Table 3-91

**Floodplain Soil PCB Results for Tax Parcel 18-86
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: ND

SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
F1391033	1.20E+00	U	0 - 0.5

ND = not detected

U = not detected at reported value

See Figure 3-34

1 **3.2.2.38 Tax Parcel: 13-1**

2 Tax parcel 13-1 is a wooded and swampy area with dense vegetation during the summer months.
3 It is classified as low-contact recreational exposure. It was assumed that a recreational visitor
4 would not come into contact with floodplain soil on as frequent a basis as high-contact
5 recreational areas, although the area is used for hunting and other recreational activities. Tax
6 parcel 13-1 is approximately 35 acres. Approximately 8.6 acres lie within the 10-year floodplain.
7 This property does not border the river; therefore, there is no riverbank soil and sediment
8 associated with this property.

9 **Floodplain Soil**

10 Two floodplain soil samples (0 to 1 ft) were taken from this property. Neither of these samples
11 had detected PCB concentrations. Based on these results, this property does not require further
12 evaluation and was eliminated from further consideration. Table 3-92 presents the results of the
13 floodplain soil samples collected from tax parcel 13-1. Figure 3-34 presents the locations of the
14 floodplain soil samples collected from tax parcel 13-1.

15

Table 3-92

**Floodplain Soil PCB Results for Tax Parcel 13-1
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: ND

SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000890	1.00E+00	UJ	0 - 0.5
FL000890	1.90E+00	UJ	0.5 - 1

ND = not detected

UJ = estimated nondetected value

See Figure 3-34

1 **3.2.2.39 Tax Parcel: 1-4**

2 Tax parcel 1-4 is owned by the Commonwealth of Massachusetts. Two boat access areas along
3 October Mountain Road are located on this parcel. It is classified as high-contact recreational
4 exposure. This parcel is a heavily wooded and swampy area with dense vegetation during the
5 summer months. This area is used for the launch and removal of boats, and hunting and trapping.
6 It was assumed that a recreational visitor could readily come into contact with floodplain soil.
7 Tax parcel 1-4 is approximately 14.5 acres. Approximately 13.1 acres lie within the 10-year
8 floodplain and extend to the riverbank.

9 **Floodplain Soil**

10 Forty-two floodplain soil samples (0 to 1 ft) and one duplicate floodplain sample were taken
11 from this property. Of these samples, 36 had detected PCB concentrations. The maximum
12 detected PCB concentration was 334 mg/kg. This concentration exceeds the recreational high-
13 and low-contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this
14 area was 142 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
15 concentration. A comparison of the EPC against the SRBC indicates that this area will require
16 further evaluation. Table 3-93 presents the results of the floodplain soil samples collected from
17 tax parcel 1-4. Figure 3-36 presents the locations of the floodplain soil samples collected from
18 tax parcel 1-4.

19

Table 3-93

**Floodplain Soil PCB Results for Tax Parcel 1-4
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 3.34E+02
 Data Distribution: Lognormal
 95% UCL: 1.42E+02
 EPC: 1.42E+02
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
BS000001	5.03E-01	UJ	0 - 0.5
BS000002	2.36E+00	J	0 - 0.5
FL000067	1.17E+00	U	0 - 0.5
FL000068	7.40E-01	U	0 - 0.5
FL000074	1.64E+00	U	0 - 0.5
FL000074	1.64E+00	U	0.5 - 1
FL000331	6.80E+00	J	0 - 0.5
FL000481	3.03E+01	J	0 - 0.5
FL000482	9.18E+00	J	0 - 0.5
FL000483	3.90E+01	J	0 - 0.5
FL000484	3.34E+02	J	0 - 0.5
FL000485	3.57E+00	J	0 - 0.5
FL000486	1.70E-01	J	0 - 0.5
FL000487	6.53E-01	J	0 - 0.5
FL000488	1.01E+00	J	0 - 0.5
FL000489	5.00E-01	UJ	0 - 0.5
FL000490	3.10E-01		0 - 0.5
FL000491	1.51E+00	J	0 - 0.5
FL000319	9.81E+00	J	0 - 0.5
FL000320	5.48E+00	J	0 - 0.5
FL000321	7.17E+00	J	0 - 0.5
FL000474	5.03E-01	UJ	0 - 0.5
FL000475	9.77E-01	J	0 - 0.5
FL000476	9.76E+00	J	0 - 0.5
FL000477	1.60E+00	J	0 - 0.5
FL000478	1.40E+00	J	0 - 0.5
FL000479	1.03E+00	J	0 - 0.5
FL001144	3.01E+01		0 - 0.5
FL001145	1.16E+01		0 - 0.5
FL001387	6.73E+01		0 - 0.5
FL001388	1.07E+02		0 - 0.5
FL001389	6.36E+01		0 - 0.5
FL001147	1.04E+01		0 - 0.5
FL001148	1.56E+01		0 - 0.5
FL001215	1.59E+00	J	0 - 0.5
FL001216	3.66E+00	J	0 - 0.5
FL001370	4.20E+01		0 - 0.5
FL001376	7.58E+01		0 - 0.5
F1263006	5.90E-02	J	0 - 0.5
F1264004	1.81E+02	J	0 - 0.5
F1264005	1.24E+02	J	0 - 0.5
F1264006	1.20E-01	J	0 - 0.5
F1264006*	2.40E-01	J	0 - 0.5

* = duplicate sample
 J = estimated detected value
 U = not detected at reported value
 UJ = estimated nondetected value
 See Figure 3-36

1 **3.2.2.40 Tax Parcel: 1-3**

2 Tax parcel 1-3 is owned by the Commonwealth of Massachusetts. It is classified as high-contact
3 recreational exposure. This area has been used for hunting and trapping. It was assumed that a
4 recreational visitor could readily come into contact with floodplain soil during recreational
5 activities. It is approximately 20.9 acres. Approximately 18.4 acres lie within the 10-year
6 floodplain and extend to the riverbank.

7 **Floodplain Soil**

8 Thirty-four floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were
9 taken from this property. Of these samples, 10 had detected PCB concentrations. The maximum
10 detected PCB concentration was 94 mg/kg. This concentration exceeds the recreational high- and
11 low-contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this area
12 was 10.1 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
13 concentration. A comparison of the EPC against the SRBCs indicates that this area will require
14 further evaluation. Table 3-94 presents the results of the floodplain soil samples collected from
15 tax parcel 1-3. Figure 3-37 presents the locations of the floodplain soil samples collected from
16 tax parcel 1-3.

17

Table 3-94

**Floodplain Soil PCB Results for Tax Parcel 1-3
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 9.40E+01

Data Distribution: Default (lognormal)

95% UCL: 1.01E+01

EPC: 1.01E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000065	8.60E-01	U	0 - 0.5
FL000066	9.75E-01	U	0 - 0.5
FL000064	7.45E-01	U	0 - 0.5
FL001156	9.40E+01		0 - 0.5
FL001157	1.48E+01		0 - 0.5
FL001175	1.42E+01	J	0 - 0.5
FL001377	4.26E+01		0 - 0.5
F1365004	1.75E+01	J	0 - 0.5
F1365005	7.99E+00	J	0 - 0.5
F1365006	5.03E-01	UJ	0 - 0.5
F1391104	7.23E-01	U	0 - 0.5
F1391105	6.82E-01	U	0.5 - 1
F1391105	7.44E-01	U	0 - 0.5
F1391106	7.77E-01	U	0 - 0.5
F1391107	7.70E-01	U	0 - 0.5
F1391107	7.28E-01	U	0.5 - 1
F1391108	9.11E-01	U	0 - 0.5
F1391109	9.70E-01	U	0 - 0.5
F1391109	8.26E-01	U	0.5 - 1
F1391109*	8.33E-01	U	0.5 - 1
F1391110	1.02E+00	U	0 - 0.5
F1391111	1.15E+00	U	0 - 0.5
F1391111	8.20E-01	U	0.5 - 1
F1391112	1.48E+00	U	0 - 0.5
F1391113	1.49E+00	U	0 - 0.5
F1391113	1.62E+00	U	0.5 - 1
F1391114	1.30E+00	U	0 - 0.5
F1391115	1.50E+00	U	0.5 - 1
F1391115	1.52E+00	U	0 - 0.5
F1391116	1.41E+00	U	0 - 0.5
F1391117	1.66E+00	U	0 - 0.5
F1391117	8.59E-01	J	0.5 - 1
F1391118	2.24E+00		0 - 0.5
F1391119	1.06E+00	J	0 - 0.5
F1391119	2.15E+01		0.5 - 1

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-37

1 **3.2.2.41 Tax Parcel: 1-1**

2 Tax parcel 1-1 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. It is classified as high-contact recreational exposure. This parcel, which is a heavily
4 wooded and swampy area with dense vegetation during the summer months, has been used for
5 hunting and trapping. A duck blind area is located on this parcel. It was assumed that a
6 recreational visitor could readily come into contact with floodplain soil. Tax parcel 1-1 is
7 approximately 22.8 acres. Approximately 13.8 acres are within the 10-year floodplain and extend
8 to the riverbank.

9 **Floodplain Soil**

10 Twenty-seven floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were
11 taken from this property. Of these samples, 21 had detected PCB concentrations. The maximum
12 detected PCB concentration was 101 mg/kg. This concentration exceeds the recreational high-
13 and low-contact floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this
14 area was 39.7 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
15 concentration. A comparison of the EPC against the SRBCs indicates that this area will require
16 further evaluation. Table 3-95 presents the results of the floodplain soil samples collected from
17 tax parcel 1-1. Figure 3-37 presents the locations of the floodplain soil samples collected from
18 tax parcel 1-1.

19

Table 3-95

**Floodplain Soil PCB Results for Tax Parcel 1-1
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 1.01E+02

Data Distribution: Lognormal

95% UCL: 3.97E+01

EPC: 3.97E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000276	2.28E+00	J	0 - 0.5
FL000278	3.22E+00	J	0 - 0.5
FL000280	4.42E+00	J	0 - 0.5
FL000281	2.77E+00	J	0 - 0.5
FL000282	2.16E+00	J	0 - 0.5
FL000283	5.37E+00	J	0 - 0.5
FL000284	2.21E+00	J	0 - 0.5
FL001168	1.21E+01		0 - 0.5
FL001169	1.23E+00	U	0 - 0.5
FL001170	1.31E+00	U	0 - 0.5
FL001171	1.08E+01		0 - 0.5
FL001159	2.15E+01		0 - 0.5
FL001160	3.63E+01		0 - 0.5
FL001161	3.85E+01		0 - 0.5
FL001378	5.66E+00		0 - 0.5
FL001365	1.43E+01		0 - 0.5
FL001366	5.03E-01	U	0 - 0.5
FL001367	6.23E+01		0 - 0.5
FL001368	2.33E+01		0 - 0.5
FL001369	1.01E+02		0 - 0.5
F1366004	1.31E+01	J	0 - 0.5
F1366005	2.60E-01		0 - 0.5
F1367004	7.20E+01	J	0 - 0.5
F1367005	5.40E-01	J	0 - 0.5
F1491202*	1.02E+00	U	0.5 - 1
F1491202	1.26E+00	U	0 - 0.5
F1491202	9.72E-01	U	0.5 - 1
F1491203	1.45E+00	U	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-37

1 **3.2.2.42 Tax Parcel: 2-8**

2 Tax parcel 2-8 is classified as high-contact recreational exposure. Tax parcel 2-8 is
3 approximately 12.3 acres. Approximately 0.2 acre lies within the 10-year floodplain and extends
4 to the riverbank.

5 **Floodplain Soil**

6 One floodplain soil sample (0 to 0.5 ft) was taken from this property. The detected PCB
7 concentration was 68.2 mg/kg. This concentration exceeds the recreational high- and low-contact
8 floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this area was not
9 calculated because of the sample size; therefore, the maximum detected concentration is the
10 EPC. A comparison of the EPC against the SRBC indicates that this area will require further
11 evaluation. Table 3-96 presents the results of the floodplain soil samples collected from tax
12 parcel 2-8. Figure 3-37 presents the locations of the floodplain soil samples collected from tax
13 parcel 2-8.

14

Table 3-96

**Floodplain Soil PCB Results for Tax Parcel 2-8
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 6.82E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001364	6.82E+01		0 - 0.5

See Figure 3-37

1 **3.2.2.43 Tax Parcel: 2-4**

2 Tax parcel 2-4 is classified as high-contact recreational exposure. The Woods Pond Boat Launch
3 recreational area is located on this parcel. It was assumed a recreational visitor may be exposed
4 to floodplain soil during the launch and removal of boats and related activities. Tax parcel 2-4 is
5 approximately 14.4 acres. Approximately 0.09 acre lies within the 10-year floodplain and
6 extends to the riverbank.

7 **Floodplain Soil**

8 Twenty-eight floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples,
9 20 had detected PCB concentrations. The maximum detected PCB concentration was 102 mg/kg.
10 This concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5
11 and 7 mg/kg, respectively. The 95% UCL for this area was 90.1 mg/kg. The 95% UCL is the
12 EPC because it is less than the maximum detected concentration. A comparison of the EPC
13 against the SRBCs indicates that this area will require further evaluation. Table 3-97 presents the
14 results of the floodplain soil samples collected from tax parcel 2-4. Figure 3-38 presents the
15 locations of the floodplain soil samples collected from tax parcel 2-4.

16

Table 3-97

**Floodplain Soil PCB Results for Tax Parcel 2-4
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 1.02E+02

Data Distribution: Default (lognormal)

95% UCL: 9.01E+01

EPC: 9.01E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000332	1.60E+00	J	0 - 0.5
FL000333	7.98E+00	J	0 - 0.5
FL000334	4.56E+00	J	0 - 0.5
FL000335	3.10E+00	J	0 - 0.5
FL000348	5.05E-01	UJ	0 - 0.5
FL000502	7.57E-01	J	0 - 0.5
FL000503	1.30E+00		0 - 0.5
FL000831	4.07E+01		0.5 - 1
FL000831	4.94E+01		0 - 0.5
FL000832	3.22E+00		0.5 - 1
FL000832	5.26E+01		0 - 0.5
FL000833	9.18E-01		0.5 - 1
FL000833	6.26E+00		0 - 0.5
FL001167	1.02E+02		0 - 0.5
FL000492	5.05E-01	UJ	0 - 0.5
FL000493	3.94E-01	J	0 - 0.5
FL000494	3.42E-01	J	0 - 0.5
FL000495	5.02E-01	UJ	0 - 0.5
FL000496	5.02E-01	UJ	0 - 0.5
FL000497	7.04E-01	J	0 - 0.5
FL000498	5.01E-01	UJ	0 - 0.5
FL000499	5.03E-01	UJ	0 - 0.5
FL000500	5.04E-01	UJ	0 - 0.5
FL000501	1.09E+00	UJ	0 - 0.5
FL001363	8.53E-01	J	0 - 0.5
F1367504	1.57E+01		0 - 0.5
F1367505	8.69E+01		0 - 0.5
F1367506	3.57E+01		0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 3-38

1 **3.2.2.44 Tax Parcel: 9-16**

2 Tax parcel 9-16 is classified as high-contact recreational exposure. It is used as a boat launch
3 area. It was assumed that a recreational visitor could be exposed to floodplain soil during the
4 launching and removal of boats and during related activities. Tax parcel 9-16 is approximately
5 0.94 acre. The entire area lies within the 10-year floodplain and extends to the riverbank.

6 **Floodplain Soil**

7 Eleven floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, 10
8 had detected PCB concentrations. The maximum detected PCB concentration was 38.9 mg/kg.
9 This concentration exceeds the recreational high- and low-contact floodplain soil SRBCs of 5
10 and 7 mg/kg, respectively. The 95% UCL for this area was 19.8 mg/kg. The 95% UCL is the
11 EPC because it is less than the maximum detected concentration. A comparison of the EPC
12 against the SRBCs indicates that this area will require further evaluation. Table 3-98 presents the
13 results of the floodplain soil samples collected from tax parcel 9-16. Figure 3-38 presents the
14 locations of the floodplain soil samples collected from tax parcel 9-16.

15

Table 3-98

**Floodplain Soil PCB Results for Tax Parcel 9-16
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 3.89E+01

Data Distribution: Normal

95% UCL: 1.98E+01

EPC: 1.98E+01

High-Contact Recreational SRBC: 5.00E+00

Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001166	1.91E+01		0 - 0.5
FL000347	1.60E+01	J	0 - 0.5
FL000349	5.64E-01	J	0 - 0.5
FL000350	5.04E-01	UJ	0 - 0.5
FL000351	1.68E+00	J	0 - 0.5
FL000352	1.60E+01	J	0 - 0.5
FL000791	3.89E+01	J	0 - 0.5
FL000791	9.61E+00	J	0.5 - 1
F1367501	1.01E+00		0 - 0.5
F1367502	1.25E+01		0 - 0.5
F1367503	2.78E+01		0 - 0.5

J = estimated detected value

UJ = estimated nondetected value

See Figure 3-38

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1 **3.2.3 Agricultural Land Use**

2 Farmers tilling, planting, maintaining, or harvesting crops may be directly exposed to PCB-
3 contaminated floodplain soil. Concentrations of PCBs in agricultural areas were screened against
4 the agricultural floodplain soil SRBC of 2 mg/kg. As noted in Section 2, this SRBC is considered
5 protective of direct contact exposures during farming activities. Potential exposure through
6 consumption of vegetables, crops, or other products will be evaluated separately in Phase 2.

7 Four tax parcels in Reaches 5 and 6 have agricultural exposure. Of the four tax parcels with
8 agricultural exposure, three had detected concentrations (maximum detected concentration and
9 EPC) of PCBs that exceeded the agricultural floodplain soil SRBC of 2 mg/kg. Table 3-99
10 presents the tax parcel ID number, the town in which the tax parcel is located, the table and
11 figure references, and the results of the screening evaluation.

12 Riverbank soil and sediment exposure were not evaluated at the four agricultural tax parcels
13 because it was assumed that farmers would have limited contact with riverbank soil and sediment
14 in their typical daily activities. Riverbank soil and sediment at these parcels will be evaluated in
15 Phase 2, assuming a recreational exposure scenario.

1
2
3

Table 3-99

Summary of the Agricultural Floodplain Soil Phase 1 Screening Results

Tax Parcel ID	Town	Table/Figure Reference	Screening Result
K4-6-28	Pittsfield	Table 3-100; Figure 3-10	Retained
J3-2-1	Pittsfield	Table 3-101; Figure 3-13	Retained
J2-2-2	Pittsfield	Table 3-102; Figure 3-16	Eliminated
K1-1-10	Pittsfield	Table 3-103; Figure 3-21	Retained

4
5

Eliminated—Eliminated from further consideration.
Retained—Retained for further evaluation in Phase 2.

1 **3.2.3.1 Tax Parcel: K4-6-28**

2 Tax parcel K4-6-28 is zoned agricultural/horticultural. It was assumed that a farmer could be
3 exposed to floodplain soil during typical farming activities. Tax parcel K4-6-28 property is
4 approximately 37 acres. Approximately 17 acres lie within the 10-year floodplain and extend to
5 the riverbank.

6 **Floodplain Soil**

7 Ten floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, seven
8 had detected PCB concentrations. The maximum detected PCB concentration was 58.3 mg/kg.
9 This concentration exceeds the agricultural floodplain soil SRBC of 2 mg/kg. The 95% UCL for
10 this property was 481 mg/kg. The maximum detected concentration is the EPC because it is less
11 than the 95% UCL. A comparison of the EPC against the SRBC indicates that this property will
12 require further evaluation. Table 3-100 presents the results of the floodplain soil samples
13 collected from tax parcel K4-6-28. Figure 3-10 presents the locations of the floodplain soil
14 samples collected from tax parcel K4-6-28.

Table 3-100

**Floodplain Soil PCB Results for Tax Parcel K4-6-28
(Results in mg/kg; Depth in feet)**

Agricultural Area

Maximum Detected Concentration: 5.83E+01

Data Distribution: Default (lognormal)

95% UCL: 4.81E+02

EPC: 5.83E+01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000837	2.20E-01		0 - 0.5
FL000837	5.01E-01	U	0.5 - 1
FL000838	5.02E-01	U	0 - 0.5
FL000838	5.02E-01	U	0.5 - 1
FL000839	8.35E-01		0.5 - 1
FL000839	1.01E+00		0 - 0.5
FL000959	1.34E+01		0 - 0.5
FL000960	5.83E+01		0 - 0.5
FL001298	4.17E+00		0 - 0.5
F0436004	1.13E+01	J	0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 3-10

1 **3.2.3.2 Tax Parcel: J3-2-1**

2 Tax parcel J3-2-1 is zoned agricultural/horticultural. It was assumed that a farmer could be
3 exposed to floodplain soil during typical farming activities. Tax parcel J3-2-1 is approximately
4 44.3 acres. Approximately 23.7 acres lie within the floodplain and extend to the riverbank.

5 **Floodplain Soil**

6 Forty-two floodplain soil samples (0 to 1 ft) and two duplicate floodplain soil samples were
7 taken from this property. Of these samples, 36 had detected PCB concentrations. The maximum
8 detected PCB concentration was 91.3 mg/kg. This concentration exceeds the agricultural
9 floodplain soil SRBC of 2 mg/kg. The 95% UCL for this area was 45.4 mg/kg. The 95% UCL is
10 the EPC because it is less than the maximum detected concentration. A comparison of the EPC
11 against the SRBC indicates that this property will require further evaluation. Table 3-101
12 presents the results of the floodplain soil samples collected from tax parcel J3-2-1. Figure 3-13
13 presents the locations of the floodplain soil samples collected from tax parcel J3-2-1.

Table 3-101

**Floodplain Soil PCB Results for Tax Parcel J3-2-1
(Results in mg/kg; Depth in feet)**

Agricultural Area

Maximum Detected Concentration: 9.13E+01
 Data Distribution: Default (lognormal)
 95% UCL: 4.54E+01
 EPC: 4.54E+01
 SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000799	5.33E+00		0.5 - 1
FL000799	5.60E+00		0 - 0.5
FL000800	4.34E+00		0.5 - 1
FL000800	4.27E+00		0 - 0.5
FL000801*	5.02E-01	U	0 - 0.5
FL000801	5.02E-01	U	0.5 - 1
FL000801	5.02E-01	U	0 - 0.5
FL000841*	3.62E+00		0 - 0.5
FL000841	3.88E+00		0.5 - 1
FL000841	3.58E+00		0 - 0.5
FL000842	5.33E+00		0.5 - 1
FL000842	5.72E+00		0 - 0.5
FL000843	1.36E+00		0 - 0.5
FL000843	1.93E+00		0.5 - 1
FL000844	2.57E+00		0.5 - 1
FL000844	2.18E+00		0 - 0.5
FL000845	4.39E+00		0.5 - 1
FL000845	6.22E+00		0 - 0.5
FL000846	5.02E-01	U	0 - 0.5
FL000846	5.03E-01	U	0.5 - 1
FL000856	5.01E-01	U	0 - 0.5
FL000857	4.13E+00		0 - 0.5
FL000858	3.72E+00		0 - 0.5
FL001037	2.03E+01		0 - 0.5
FL001038	1.24E+01		0 - 0.5
FL001039	1.12E+01		0 - 0.5
FL001040	1.69E+01		0 - 0.5
FL001041	1.87E+01		0 - 0.5
FL001042	1.33E+01		0 - 0.5
FL001043	2.03E+01		0 - 0.5
FL001302	1.73E+01	J	0 - 0.5
FL001325	1.83E+01		0 - 0.5
FL001326	1.83E+01		0 - 0.5
F0437004	5.04E-01	UJ	0 - 0.5
F0538005	9.13E+01	J	0 - 0.5
F0539004	1.80E+01	J	0 - 0.5
F0539005	8.13E-01	J	0 - 0.5

Table 3-101

**Floodplain Soil PCB Results for Tax Parcel J3-2-1
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
F0539006	5.01E-01	UJ	0 - 0.5
F0540004	3.43E+01	J	0 - 0.5
F0540005	9.06E+01	J	0 - 0.5
F0540006	3.10E-01	J	0 - 0.5
F0489733	1.15E+01	J	0 - 0.5
F0489733	1.21E+01	J	0.5 - 1
F0489734	5.24E+01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-13

1 **3.2.3.3 Tax Parcel: J2-2-2**

2 Tax parcel J2-2-2 is owned by the Commonwealth of Massachusetts Division of Fisheries and
3 Wildlife. A fraction of this area is used for agricultural purposes. This evaluation focuses on
4 cultivated areas. It was assumed that a farmer could be exposed to floodplain soil during typical
5 farming activities. Tax parcel J2-2-2 is approximately 115 acres. Approximately 58 acres lie
6 within the 10-year floodplain and extend to the riverbank. The evaluation of this tax parcel based
7 on recreational exposure is included in Subsection 3.2.2.

8 **Floodplain Soil**

9 Forty-one floodplain soil samples (0 to 1 ft) were taken from the area used for agricultural
10 purposes on this property. Of these samples, 16 had detected PCB concentrations. The maximum
11 detected PCB concentration was 2.84 mg/kg. This concentration exceeds the agricultural
12 floodplain soil SRBC of 2 mg/kg. The 95% UCL for this area was 0.548 mg/kg. The 95% UCL
13 is the EPC because it is less than the maximum detected concentration. A comparison of the EPC
14 against the SRBC indicates that this property will not require further evaluation based on
15 agricultural activities. Table 3-102 presents the results of the floodplain soil samples collected
16 from the agricultural area on tax parcel J2-2-2. Figure 3-16 presents the locations of the
17 floodplain soil samples collected from the agricultural area on tax parcel J2-2-2.

Table 3-102

**Floodplain Soil PCB Results for Tax Parcel J2-2-2
(Results in mg/kg; Depth in feet)**

Agricultural Area

Maximum Detected Concentration: 2.84E+00
 Data Distribution: Default (lognormal)
 95% UCL: 5.48E-01
 EPC: 5.48E-01
 SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SL000654	6.05E-01	U	0 - 1
SL000655	6.11E-01	U	0 - 1
SL000656	6.10E-01	U	0 - 1
FL000729	3.24E-01	J	0 - 0.5
FL000729	5.02E-01	U	0.5 - 1
FL000730	2.84E+00		0 - 0.5
FL000730	1.85E+00		0.5 - 1
FL000731	2.78E+00		0 - 0.5
FL000731	1.22E+00		0.5 - 1
FL000732	9.02E-01		0 - 0.5
FL000732	9.09E-01		0.5 - 1
FL000733	5.00E-01	U	0.5 - 1
FL000733	3.52E-01	J	0 - 0.5
FL000734	3.28E-01	J	0 - 0.5
FL000734	3.36E-01	J	0.5 - 1
FL000735	2.96E-01	J	0.5 - 1
FL000735	3.77E-01	J	0 - 0.5
FL000736	2.64E-01	J	0 - 0.5
FL000736	2.72E-01	J	0.5 - 1
FL000737	5.05E-01	UJ	0 - 0.5
FL000737	5.05E-01	UJ	0.5 - 1
FL000738	9.30E-02		0 - 0.5
FL000738	5.07E-01	UJ	0.5 - 1
FL000795	5.03E-01	U	0 - 0.5
FL000795	5.04E-01	U	0.5 - 1
FL000796	5.04E-01	U	0 - 0.5
FL000796	5.03E-01	U	0.5 - 1
FL000834	5.02E-01	U	0.5 - 1
FL000834	5.01E-01	U	0 - 0.5
FL000835	5.00E-01	U	0 - 0.5
FL000835	5.00E-01	U	0.5 - 1
FL000836	5.03E-01	U	0 - 0.5
FL000836	5.01E-01	U	0.5 - 1
F0642001	5.06E-01	UJ	0 - 0.5
F0641001	9.30E-02	J	0 - 0.5
F0489805	5.03E-01	UJ	0 - 0.5
F0489805	5.04E-01	UJ	0.5 - 1
F0489806	5.04E-01	UJ	0 - 0.5
F0489807	5.05E-01	UJ	0 - 0.5
F0489807	5.06E-01	UJ	0.5 - 1
F0489808	5.04E-01	U	0 - 0.5

J = estimated detected value
 U = not detected at reported value
 UJ = estimated nondetected value

See Figure 3-16

1 **3.2.3.4 Tax Parcel: K1-1-10**

2 Tax parcel K1-1-10 is zoned residential but is currently used for agricultural purposes. It was
3 assumed that a farmer could be exposed to floodplain soil during typical farming activities. Tax
4 parcel K1-1-10 is approximately 25 acres. Approximately 8.5 acres lie within the floodplain and
5 extend to the riverbank.

6 **Floodplain Soil**

7 Thirty-three floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were
8 taken from this property. All of these samples had detected PCB concentrations. The maximum
9 detected PCB concentration was 68.8 mg/kg. This concentration exceeds the agricultural and the
10 residential floodplain soil SRBC of 2 mg/kg. The 95% UCL for this property was 36.9 mg/kg.
11 The 95% UCL is the EPC because it is less than the maximum detected concentration. A
12 comparison of the EPC against the SRBC indicates that this property will require further
13 evaluation. Table 3-103 presents the results of the floodplain soil samples collected from tax
14 parcel K1-1-10. Figure 3-21 presents the locations of the floodplain soil samples collected from
15 tax parcel K1-1-10.

Table 3-103

**Floodplain Soil PCB Results for Tax Parcel K1-1-10
(Results in mg/kg; Depth in feet)**

Agricultural Area

Maximum Detected Concentration: 6.88E+01
 Data Distribution: Default (lognormal)
 95% UCL: 3.69E+01
 EPC: 3.69E+01
 SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000582	2.80E+01		0 - 0.5
FL000582	1.20E+01		0.5 - 1
FL000583	2.10E+01		0 - 0.5
FL000583	2.60E+01		0.5 - 1
FL000584*	1.10E+01		0 - 0.5
FL000584	2.50E-01		0.5 - 1
FL000584	1.20E+01		0 - 0.5
FL000585	4.30E+01		0 - 0.5
FL000585	1.50E+01		0.5 - 1
FL000586	3.20E+00		0.5 - 1
FL000586	5.70E+00		0 - 0.5
FL000587	9.90E+00		0 - 0.5
FL000587	1.30E+01		0.5 - 1
FL000860	5.46E+00		0 - 0.5
FL000860	4.97E+00		0.5 - 1
FL000861	3.16E+01		0 - 0.5
FL000861	1.55E+01		0.5 - 1
FL000862	3.66E+01		0 - 0.5
FL000862	3.22E+01		0.5 - 1
FL000882	5.90E+00		0 - 0.5
FL000883	4.16E+01	J	0 - 0.5
FL000884	3.86E+01	J	0 - 0.5
F0746001	2.00E+01		0 - 0.5
F0746004	3.37E+01	J	0 - 0.5
F0746005	1.71E+01	J	0 - 0.5
F0644004	6.88E+01	J	0 - 0.5
F0745004	4.55E+01	J	0 - 0.5
F0745006	3.67E+00	J	0 - 0.5
F0789902	7.64E+00	J	0 - 0.5
F0789903	7.88E+00	J	0 - 0.5
F0789903	7.37E+00	J	0.5 - 1
F0789904	6.98E+00	J	0 - 0.5
F0789905	9.21E+00	J	0 - 0.5
F0789906	1.38E+01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 3-21

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1 **3.2.4 Commercial/Industrial Land Use**

2 Two types of commercial/industrial land uses were considered in the Phase 1 assessment: utility
3 worker and groundskeeper exposures. A number of areas within the floodplain have utility
4 easements. Utility workers may be exposed to floodplain soil during activities such as
5 installation or maintenance of new equipment along utility easements. Groundskeepers may be
6 involved in activities such as lawn or garden maintenance in floodplain soil. Concentrations of
7 PCBs in these areas were screened against the commercial/industrial floodplain soil SRBC of 20
8 mg/kg. This subsection provides the screening evaluation of the properties with
9 commercial/industrial floodplain soil exposure.

10 There are 13 utility easements in Reaches 5 and 6. Of the 13 utility easements, 6 had detected
11 concentrations (maximum detected concentration and EPC) of PCBs that exceeded the
12 commercial/industrial floodplain soil SRBC of 20 mg/kg. Table 3-104 presents the type of utility
13 easement, the town in which the easement is located, the tax parcel IDs the easement is located
14 on, the table and figure references, and the results of the screening evaluation. Figure 3-39
15 provides an overview of all the utility easements in Reaches 5 and 6 and identifies the more
16 detailed figure reference.

17 There are three tax parcels used for commercial/industrial purposes in Reaches 5 and 6 that
18 represent groundskeeper exposure. Two commercial/industrial tax parcels had maximum
19 detected concentrations or EPCs of PCBs that exceeded the commercial/industrial floodplain soil
20 SRBC of 20 mg/kg. Table 3-105 presents the tax parcel ID number, the town in which the tax
21 parcel is located, the table and figure references, and the results of the screening evaluation.

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Table 3-104

Summary of the Utility Easement Floodplain Soil Phase 1 Screening Results

Utility Easement	Type of Easement	Town	Tax Parcel IDs	Table/Figure Reference	Screening Result
1	Sewer	Pittsfield	H6-4-5, H6-4-13	Table 3-106; Figure 3-40	Eliminated
2	Electric	Pittsfield	I6-1-41	Table 3-107 Figure 3-40	Retained
3	Sewer	Pittsfield	I6-1-41, I6-1-1, I6-2-1, I6-3-13, I6-3-1	Table 3-108; Figure 3-40	Eliminated
4	Sewer	Pittsfield	J6-2-2	Table 3-109; Figure 3-40	Eliminated
5	Sewer	Pittsfield	J5-2-110, J5-2-105, J5-2-11, J5-2-4, J4-3-13, J4-3-7, J4-3-8, J4-3-9, J4-3-10, J4-3-11, J3-1-14, J3-1-13, J3-1-12, J3-1-11, J3-1-10, J3-1-9, J3-1-8, J3-1-6, J2-2-2	Table 3-110; Figure 3-41	Eliminated
6	Gas	Pittsfield	J4-3-13	Table 3-111; Figure 3-41	Retained
7	Sewer	Pittsfield	J4-3-12	Table 3-112; Figure 3-41	Retained
8	Water	Pittsfield	K2-1-4	Table 3-113; Figure 3-42	Retained
9	Electric	Lenox	K1-1-10, 34-1, 33-40	Table 3-114; Figure 3-42	Retained
10	Electric	Lenox	34-1, 33-40, 29-3	Table 3-115; Figure 3-42	Retained
11	Electric	Lenox	18-84, 18-85, 13-2	Table 3-116; Figure 3-43	Eliminated
12	AT&T	Lenox	19-1, 19-3	Table 3-117; Figure 3-43	Eliminated
13	Electric	Lenox	9-17, 9-18, 2-4	Table 3-118; Figure 3-44	Eliminated

4 Eliminated—Eliminated from further consideration.
5 Retained—Retained for further evaluation in Phase 2.
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Table 3-105

Summary of the Commercial/Industrial Floodplain Soil Phase 1 Screening Results

Tax Parcel ID	Town	Table/Figure Reference	Screening Result
J2-2-1	Pittsfield	Table 3-119; Figure 3-19	Retained
34-1	Pittsfield	Table 3-120; Figure 3-23	Retained
9-14	Lenox	Table 3-121; Figure 3-38	Eliminated

4

1 **3.2.4.1 Utility Easement 1**

2 Utility Easement 1 is a sewer easement that crosses tax parcels H6-4-5 and H6-4-13. These tax
3 parcels are known as the Paintball Recreational Area. In addition to industrial exposure to
4 floodplain soil during typical maintenance operations, there is recreational exposure associated
5 with this easement because it is likely that a recreational visitor could be exposed to floodplain
6 soil while walking, hiking, or engaging in related activities. The recreational exposure scenario is
7 evaluated in Subsection 3.2.2. This evaluation focuses on industrial exposure only.

8 **Floodplain Soil**

9 Seven floodplain soil samples (0 to 4 ft) were taken from Utility Easement 1. Of these samples,
10 four had detected PCB concentrations. The maximum detected PCB concentration was 7.39
11 mg/kg. This concentration does not exceed the industrial floodplain soil SRBC of 20 mg/kg;
12 therefore, this easement does not require further evaluation for commercial/industrial exposure.
13 Table 3-106 presents the results of the floodplain soil samples collected from Utility Easement 1.
14 Figure 3-40 presents the locations of the floodplain soil samples collected from Utility
15 Easement 1.

Table 3-106

Floodplain Soil PCB Results for Utility Easement 1*
(Results in mg/kg; Depth in feet)

Utility Easement Area

Maximum Detected Concentration: 7.39E+00

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000718	1.93E+00		0 - 0.5
FL000718	3.70E-01	J	0.5 - 1
FL000718	7.39E+00	J	1 - 4
FL000719	5.02E-01	U	0 - 0.5
FL000719	5.63E-01	U	0.5 - 1
FL000719	5.63E-01	U	1 - 3
F0389407	2.73E+00		0 - 0.5

* This sewer easement crosses tax parcels H6-4-5 and H6-4-13.

J = estimated detected value

U = not detected at reported value

See Figure 3-40

1 **3.2.4.2 Utility Easement 2**

2 Utility Easement 2 is an electric easement that transects tax parcel I6-1-41. In addition to
3 industrial exposure to floodplain soil during typical maintenance operations, there is high-contact
4 recreational exposure associated with this easement because a recreational visitor could be
5 exposed to floodplain soil while walking, hiking, or engaging in related activities. The
6 recreational exposure scenario is evaluated in Subsection 3.2.2. This evaluation focuses on
7 industrial exposure only.

8 **Floodplain Soil**

9 Six floodplain soil samples (0 to 0.5 ft) and one duplicate floodplain soil sample were taken from
10 Utility Easement 2. All of these samples had detected PCB concentrations. The maximum
11 detected PCB concentration was 100 mg/kg. This concentration exceeds the industrial floodplain
12 soil SRBC of 20 mg/kg. The 95% UCL for this easement was 150 mg/kg. The maximum
13 detected concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC
14 against the SRBC indicates that this easement will require further evaluation for industrial
15 exposure. Table 3-107 presents the results of the floodplain soil samples collected from Utility
16 Easement 2. Figure 3-40 presents the locations of the floodplain soil samples collected from
17 Utility Easement 2.

Table 3-107

**Floodplain Soil PCB Results for Utility Easement 2*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: 1.00E+02

Data Distribution: Default (lognormal)

95% UCL: 1.50E+02

EPC: 1.00E+02

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
SL0441	1.07E+01		0 - 0.5
F0331005	1.00E+02		0 - 0.5
F0321204	1.28E+01		0 - 0.5
F0321205**	1.19E+01		0 - 0.5
F0321205	1.05E+01		0 - 0.5
F0321206	1.25E+01		0 - 0.5
F0330005	8.48E+00	J	0 - 0.5

* This electric easement crosses tax parcel I6-1-41.

** = duplicate sample

J = estimated detected value

See Figure 3-40

1 **3.2.4.3 Utility Easement 3**

2 Utility Easement 3 is a sewer easement that crosses tax parcels I6-1-41, I6-1-1, I6-2-1, I6-3-13,
3 and I6-3-1. In addition to industrial exposure to floodplain soil during typical maintenance
4 operations, there is residential and recreational exposure associated with this easement because a
5 resident and a recreational visitor could be exposed to floodplain soil while walking, hiking, or
6 engaging in related activities. The residential and recreational exposure scenarios are evaluated
7 by individual tax parcel in Subsections 3.2.1 and 3.2.2, respectively. This evaluation focuses on
8 industrial exposure only.

9 **Floodplain Soil**

10 Sixteen floodplain soil samples (0 to 4 ft) and one duplicate floodplain soil sample were taken
11 from Utility Easement 3. Of these samples, 14 had detected PCB concentrations. The maximum
12 detected PCB concentration was 9.29 mg/kg. This concentration does not exceed the industrial
13 floodplain soil SRBC of 20 mg/kg; therefore, this easement does not require further evaluation
14 for industrial exposure. Table 3-108 presents the results of the floodplain soil samples collected
15 from this Utility Easement 3. Figure 3-40 presents the locations of the floodplain soil samples
16 collected from Utility Easement 3.

Table 3-108

**Floodplain Soil PCB Results for Utility Easement 3*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: 9.29E+00

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001266	1.48E+00		0 - 0.5
FL001266	5.01E-01	U	0.5 - 1
FL001268	9.29E+00		0 - 0.5
FL001268	1.22E+00		0.5 - 1
FL001461	1.41E+00		0 - 0.5
FL001461	5.00E-01	U	0.5 - 1
FL001254	4.28E-01	J	0 - 0.5
FL001254	5.01E-01	U	0.5 - 1
FL001462	2.22E+00		0 - 0.5
FL001462	1.66E+00		0.5 - 1
FL001629	1.40E+00		0 - 0.5
FL001629	2.60E+00		0.5 - 1
FL001629**	2.50E+00		0.5 - 1
F0332005	3.70E-01	J	2 - 2.5
F0332005	4.48E-01	J	1 - 1.5
F0332005	1.40E+00	J	0 - 0.5
F0389507	1.14E+00	J	0 - 0.5

* This sewer easement crosses tax parcels I6-1-41, I6-1-1, I6-2-1, I6-3-13 and I6-3-1.

** = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-40

1 **3.2.4.4 Utility Easement 4**

2 Utility Easement 4 is a sewer easement that transects tax parcel J6-2-2. In addition to industrial
3 exposure to floodplain soil from typical maintenance operations, there is high-contact residential
4 exposure associated with this easement because a resident could be exposed to floodplain soil
5 during daily activities on their properties or on recreational areas. The high-contact residential
6 exposure scenario is evaluated in Subsection 3.2.1.1. This evaluation focuses on industrial
7 exposure only.

8 **Floodplain Soil**

9 Two floodplain soil samples (0 to 1 ft) were taken from Utility Easement 4. Neither of these
10 samples had detected PCB concentrations. Based on these results, this easement does not require
11 further evaluation for industrial exposure. Table 3-109 presents the results of the floodplain soil
12 samples collected from Utility Easement 4. Figure 3-40 presents the locations of the floodplain
13 soil samples collected from Utility Easement 4.

Table 3-109

**Floodplain Soil PCB Results for Utility Easement 4*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: ND

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000741	5.03E-01	UJ	0 - 0.5
FL000741	5.00E-01	UJ	0.5 - 1

* This sewer easement crosses tax parcel J6-2-2.

ND = not detected

UJ = estimated nondetected value

See Figure 3-40

1 **3.2.4.5 Utility Easement 5**

2 Utility Easement 5 is a sewer easement that begins at Holmes Road and proceeds downstream
3 parallel to the river to the Pittsfield Wastewater Treatment Plant. In addition to industrial
4 exposure to floodplain soil from typical maintenance operations, there is recreational and low-
5 contact residential exposures associated with this easement because a resident and a recreational
6 visitor could be exposed to floodplain soil while walking, hiking, or engaging in related activities
7 on their properties or on recreational areas. The low-contact residential and recreational exposure
8 scenarios are evaluated in Subsections 3.2.1.2 and 3.2.2, respectively. This evaluation focuses on
9 industrial exposure only.

10 **Floodplain Soil**

11 Ninety-one floodplain soil samples (0 to 4 ft) and five duplicate floodplain soil samples were
12 taken from Utility Easement 5. Of these samples, 62 had detected PCB concentrations. The
13 maximum detected PCB concentration was 31.9 mg/kg. This concentration exceeds the industrial
14 floodplain soil SRBC of 20 mg/kg. The 95% UCL for the easement was 4.18. A comparison of
15 the EPC against the SRBC indicates that this easement does not require further evaluation for
16 industrial exposure. Table 3-110 presents the results of the floodplain soil samples collected from
17 Utility Easement 5. Figure 3-41 presents the locations of the floodplain soil samples collected
18 from Utility Easement 5.

Table 3-110

**Floodplain Soil PCB Results for Utility Easement 5*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: 3.19E+01

Data Distribution: Default (lognormal)

95% UCL: 4.18E+00

EPC: 4.18E+00

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000589	1.60E+01		0 - 0.5
FL000589	6.80E+00		0.5 - 1
FL000589	3.90E+00		1 - 5
FL000590	2.00E-02	U	1 - 1.5
FL000590	1.70E-01		0 - 0.5
FL000590	1.80E-02	U	0.5 - 1
FL000591	6.00E-02		0 - 0.5
FL000591	1.90E-02	U	0.5 - 1
FL000591	1.90E-02	U	1 - 3
FL000592	2.30E-01		0 - 0.5
FL000592**	2.20E-01		0 - 0.5
FL000592	4.00E-02		0.5 - 1
FL000592	1.20E-01		1 - 2
FL000593	3.90E-01		0 - 0.5
FL000593	1.80E+00		0.5 - 1
FL000593	1.70E-01		1 - 2.5
FL000748	8.30E-02		0 - 0.5
FL000748	5.01E-01	U	0.5 - 1
FL000764	1.44E+00		0 - 0.5
FL000764	4.69E-01	J	0.5 - 1
FL000767	2.46E-01	J	0 - 0.5
FL000767	5.02E-01	U	0.5 - 1
FL000768	7.04E-01		0 - 0.5
FL000768	2.19E+00		0.5 - 1
FL000578	1.30E+00		1 - 6
FL000578	2.24E+01	J	0 - 0.5
FL000578	5.15E-01		0.5 - 1
FL000578**	1.36E+00	J	1 - 6
FL000579	5.15E+00		0 - 0.5
FL000579	3.95E+00		0.5 - 1
FL000579	6.76E-01	J	1 - 2
FL000580	5.31E+00		0 - 0.5
FL000580	4.13E-01	J	0.5 - 1
FL000580	2.50E-01	J	1 - 4.5
FL000581	1.10E+00	J	0 - 0.5
FL000581	6.33E-01	J	0.5 - 1
FL000581	1.99E-01		1 - 6
FL000749	5.03E-01	U	0 - 0.5
FL000749	5.02E-01	U	0.5 - 1
FL000750	5.01E-01	U	0.5 - 1
FL000750	5.02E-01	U	0 - 0.5
FL000751	5.02E-01	U	0 - 0.5
FL000751	5.01E-01	U	0.5 - 1

Table 3-110

Floodplain Soil PCB Results for Utility Easement 5*
 (Results in mg/kg; Depth in feet)
 (Continued)

Sample Identification	Result	Qualifier	Depth Interval
FL000752	5.02E-01	U	0 - 0.5
FL000752**	5.02E-01	U	0 - 0.5
FL000752	5.01E-01	U	0.5 - 1
FL000753	5.01E-01	U	0.5 - 1
FL000753	1.40E-01		0 - 0.5
FL000754	5.48E-01		0.5 - 1
FL000754	5.01E-01	U	0 - 0.5
FL000755	5.01E-01	U	0 - 0.5
FL000755	5.16E-01	U	0.5 - 1
FL001289	2.00E+00	J	0 - 0.5
FL001289	9.47E-01	J	0.5 - 1
FL001290	5.02E-01	UJ	0 - 0.5
FL001290	5.01E-01	UJ	0.5 - 1
FL001452	5.01E-01	U	0 - 0.5
FL001452	5.00E-01	U	0.5 - 1
FL001453**	5.01E-01	U	0 - 0.5
FL001453	5.01E-01	U	0 - 0.5
FL001453	5.01E-01	U	0.5 - 1
FL001454	5.01E-01	UJ	0 - 0.5
FL001454	5.00E-01	UJ	0.5 - 1
FL001455	2.75E-01	J	0 - 0.5
FL001455	5.01E-01	UJ	0.5 - 1
FL001456	3.08E-01	J	0 - 0.5
FL001456	5.01E-01	UJ	0.5 - 1
FL001460	3.19E+01	J	0 - 0.5
FL001460	2.00E+00	J	0.5 - 1
FL001463	4.60E+00		0 - 0.5
FL001463	5.00E-01	U	0.5 - 1
FL001463**	4.73E+00		0 - 0.5
FL001464	1.10E+01		0 - 0.5
FL001464	5.08E+00		0.5 - 1
FL001471	5.38E+00	J	0 - 0.5
FL001471	1.27E+00	J	0.5 - 1
FL001685	1.22E-01	J	0 - 0.5
FL001685	3.40E-02		0.5 - 1
FL001686	1.68E+01	J	0.5 - 1
FL001686	8.60E+00		0 - 0.5
FL001687	2.53E+00		0 - 0.5
FL001687	3.42E+00		0.5 - 1
FL001690	4.60E-01		0 - 0.5
FL001690	5.00E-02		0.5 - 1
FL001691	4.10E-01	J	0 - 0.5
FL001691	4.40E-02		0.5 - 1
FL001693	6.81E-01	J	0 - 0.5
FL001693	3.00E-02		0.5 - 1
F0437001	1.21E+01	J	0 - 0.5
F0437001	1.82E+00	J	1 - 1.5
F0437001	5.04E-01	UJ	2 - 2.5
F0539001	1.80E-01	J	1 - 1.5

Table 3-110

**Floodplain Soil PCB Results for Utility Easement 5*
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
F0539001	1.24E+01	J	2 - 2.5
F0539001	6.00E-01	J	0 - 0.5
F0489702	5.00E-01	UJ	0 - 0.5
F0489702	5.01E-01	UJ	0.5 - 1

* This sewer easement begins at Holmes Road and proceeds downstream to the Pittsfield Wastewater Treatment Plant.

** = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-41

1 **3.2.4.6 Utility Easement 6**

2 Utility Easement 6 is a Tennessee Gas easement that transects tax parcel J4-3-13. In addition to
3 industrial exposure to floodplain soil from typical maintenance operations, there is recreational
4 exposure associated with this easement because a recreational visitor could be exposed to
5 floodplain soil while hiking, hunting, trapping, or engaging in related activities. The recreational
6 exposure scenario is evaluated in Subsection 3.2.2. This evaluation focuses on industrial
7 exposures only.

8 **Floodplain Soil**

9 Thirteen floodplain soil samples (0 to 6 ft) and one duplicate floodplain soil sample were taken
10 from Utility Easement 6. Of these samples, 12 had detected PCB concentrations. The maximum
11 detected PCB concentration was 49.1 mg/kg. This concentration exceeds the industrial
12 floodplain soil SRBC of 20 mg/kg. The 95% UCL for this easement was 267 mg/kg. The
13 maximum detected concentration is the EPC because it is less than the 95% UCL. A comparison
14 of the EPC against the SRBC indicates that this easement will require further evaluation for
15 industrial exposure. Table 3-111 presents the results of the floodplain soil samples collected from
16 Utility Easement 6. Figure 3-41 presents the locations of the floodplain soil samples collected
17 from Utility Easement 6.

Table 3-111

**Floodplain Soil PCB Results for Utility Easement 6*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: 4.91E+01

Data Distribution: Lognormal

95% UCL: 2.67E+02

EPC: 4.91E+01

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000111	2.22E+01	J	0 - 0.5
FL000683	2.54E+01	J	0 - 0.5
FL000683	4.91E+01		0.5 - 1
FL000683	4.33E+01		1 - 4
FL000684	3.88E+00		0 - 0.5
FL000684	4.76E-01	J	0.5 - 1
FL000684	1.80E+00		1 - 4
FL000685	3.16E+00		0.5 - 1
FL000685	5.08E-01	U	1 - 6
FL000685	1.24E+00	J	0 - 0.5
FL000686	1.28E+01		0 - 0.5
FL000686	9.19E+00		0.5 - 1
FL000686**	1.08E+01		0.5 - 1
FL000686	5.19E-01	U	1 - 6

* This easement crosses tax parcel J4-3-13.

** = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-41

1 **3.2.4.7 Utility Easement 7**

2 Utility Easement 7 is a sewer easement that crosses tax parcel J4-3-12. In addition to industrial
3 exposure to floodplain soil from typical maintenance operations, there is recreational exposure
4 associated with this easement because a recreational visitor could be exposed to floodplain soil
5 while walking, hiking, or engaging in related activities. The recreational exposure scenario is
6 evaluated in Subsection 3.2.2. This evaluation focuses on industrial exposure only.

7 **Floodplain Soil**

8 Ten floodplain soil samples (0 to 1 ft) were taken from Utility Easement 7. All of these samples
9 had detected PCB concentrations. The maximum detected PCB concentration was 43.7 mg/kg.
10 This concentration exceeds the industrial floodplain soil SRBC of 20 mg/kg. The 95% UCL for
11 this easement was 58.6. The maximum detected concentration is the EPC because it is less than
12 the 95% UCL. A comparison of the EPC against the SRBC indicates that this easement will
13 require further evaluation for industrial exposure. Table 3-112 presents the results of the
14 floodplain soil samples collected from Utility Easement 7. Figure 3-41 presents the locations of
15 the floodplain soil samples collected from Utility Easement 7.

Table 3-112

**Floodplain Soil PCB Results for Utility Easement 7*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: 4.37E+01

Data Distribution: Lognormal

95% UCL: 5.86E+01

EPC: 4.37E+01

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001457	1.39E+00	J	0 - 0.5
FL001457	3.90E-01	J	0.5 - 1
FL001458	2.77E-01	J	0 - 0.5
FL001458	3.46E-01	J	0.5 - 1
FL001459	1.52E+00	J	0 - 0.5
FL001459	6.18E+00	J	0.5 - 1
FL001695	3.51E+00	J	0 - 0.5
FL001695	3.25E+00	J	0.5 - 1
F0489715	4.03E+00	J	0 - 0.5
F0489715	4.37E+01	J	0.5 - 1

* This sewer easement crosses tax parcel J4-3-12.

J = estimated detected value

See Figure 3-41

1 **3.2.4.8 Utility Easement 8**

2 Utility Easement 8 is a water easement that transects tax parcel K2-1-4. In addition to industrial
3 exposure to floodplain soil from typical maintenance operations, there is recreational exposure
4 associated with this easement because a recreational visitor could be exposed to floodplain soil
5 while hiking, hunting, trapping, or engaging in related activities. The recreational exposure
6 scenario is evaluated in Subsection 3.2.2. This evaluation focuses on industrial exposure only.

7 **Floodplain Soil**

8 Six floodplain soil samples (0 to 1.1 ft) were taken from Utility Easement 8. Of these samples,
9 four had detected PCB concentrations. The maximum detected PCB concentration was 67.8
10 mg/kg. This concentration exceeds the industrial floodplain soil SRBC of 20 mg/kg. The 95%
11 UCL for this easement was much higher than the maximum value. The maximum detected
12 concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC against
13 the SRBC indicates that this easement will require further evaluation for industrial exposure.
14 Table 3-113 presents the results of the floodplain soil samples collected from Utility Easement 8.
15 Figure 3-42 presents the locations of the floodplain soil samples collected from Utility
16 Easement 8.

Table 3-113

**Floodplain Soil PCB Results for Utility Easement 8*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: 6.78E+01

Data Distribution: 2.59E+07

95% UCL: Lognormal

EPC: 6.78E+01

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001315	3.77E+01		0 - 0.5
FL001315	6.78E+01		0.5 - 1
FL001468	4.71E+00		0 - 0.5
FL001468	6.86E-01	J	0.5 - 1
F0643006	5.03E-01	UJ	1 - 1.1
F0643006	5.03E-01	UJ	0 - 0.5

* This water easement crosses tax parcel K2-1-4.

J = estimated detected value

UJ = estimated nondetected value

See Figure 3-42

1 **3.2.4.9 Utility Easement 9**

2 Utility Easement 9 is an electric easement that crosses tax parcels K1-1-10, 34-1, and 33-40. In
3 addition to industrial exposure to floodplain soil from typical maintenance operations, there is
4 recreational exposure associated with this easement because a recreational visitor could be
5 exposed to floodplain soil while walking, hiking, or engaging in related activities. The
6 recreational exposure scenarios are evaluated in Subsection 3.2.2.

7 **Floodplain Soil**

8 Eighteen floodplain soil samples (0 to 1 ft) were taken from Utility Easement 9. Of these
9 samples, 15 had detected PCB concentrations. The maximum detected PCB concentration was
10 24 mg/kg. This concentration exceeds the industrial floodplain soil SRBC of 20 mg/kg. The 95%
11 UCL for this easement was 47.4 mg/kg. The maximum detected concentration is the EPC
12 because it is less than the 95% UCL. A comparison of the EPC against the SRBC indicates that
13 this easement will require further evaluation for industrial exposure. Table 3-114 presents the
14 results of the floodplain soil samples collected from Utility Easement 9. Figure 3-42 presents the
15 locations of the floodplain soil samples collected from Utility Easement 9.

Table 3-114

**Floodplain Soil PCB Results for Utility Easement 9*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: 2.40E+01
 Data Distribution: Default (lognormal)
 95% UCL: 4.74E+01
 EPC: 2.40E+01
 SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000523	8.90E-01	U	0 - 0.5
FL000523	8.67E-01	U	0.5 - 1
FL000524	1.65E+00		0 - 0.5
FL000524	1.06E+00		0.5 - 1
FL000541	9.30E+00		0 - 0.5
FL000541	1.80E+00		0.5 - 1
FL000588	1.90E+01		0 - 0.5
FL000588	2.40E+01		0.5 - 1
F0747004	8.75E+00	J	0 - 0.5
F0747005	7.92E+00	J	0 - 0.5
F0747006	2.00E+00		0 - 0.5
F0789907	9.74E+00	J	0 - 0.5
F0789907	1.05E+01	J	0.5 - 1
F0789908	1.46E+01	J	0 - 0.5
F0789910	1.90E+01		0 - 0.5
F0789911	5.03E-01	UJ	0.5 - 1
F0789911	1.11E+01		0 - 0.5
F0789912	1.44E+01	J	0 - 0.5

* This electric easement crosses tax parcels K1-1-10, 34-1, and 33-40.

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-42

1 **3.2.4.10 Utility Easement 10**

2 Utility Easement 10 is an electric easement that crosses tax parcels 34-1, 33-40, and 29-3. In
3 addition to industrial exposure to floodplain soil from typical maintenance operations, there is
4 recreational exposure associated with this easement because a recreational visitor could be
5 exposed to floodplain soil while walking, hiking, or engaging in related activities. The
6 recreational exposure scenarios are evaluated by individual tax parcel in Subsection 3.2.2. This
7 evaluation focuses on industrial exposure only.

8 **Floodplain Soil**

9 Fourteen floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
10 from Utility Easement 10. Of these samples, eight had detected PCB concentrations. The
11 maximum detected PCB concentration was 29.5 mg/kg. This concentration exceeds the industrial
12 floodplain soil SRBC of 20 mg/kg. The 95% UCL for this easement was 62.2 mg/kg. The
13 maximum detected concentration is the EPC because it is less than the 95% UCL. A comparison
14 of the EPC against the SRBC indicates that this easement will require further evaluation for
15 industrial exposure. Table 3-115 presents the results of the floodplain soil samples collected from
16 Utility Easement 10. Figure 3-42 presents the locations of the floodplain soil samples collected
17 from Utility Easement 10.

Table 3-115

**Floodplain Soil PCB Results for Utility Easement 10*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: 2.95E+01
 Data Distribution: Default (lognormal)
 95% UCL: 6.22E+01
 EPC: 2.95E+01
 SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000197	2.95E+01	J	0 - 0.5
FL000520	5.58E-01	U	0 - 0.5
FL000520	5.30E-01	U	0.5 - 1
FL000522	5.69E-01	U	0 - 0.5
FL000522	5.46E-01	U	0.5 - 1
FL000427	7.62E-01	J	0 - 0.5
FL000615	1.46E+01		0 - 0.5
FL000615**	1.18E+01		0 - 0.5
SL0332	7.89E-01	U	0 - 0.5
SL0333	7.79E-01	U	0 - 0.5
SL0334	1.69E+00		0 - 0.5
SL0335	7.43E-01	U	0 - 0.5
SL0336	1.49E+00		0 - 0.5
F0848005	2.00E+01	J	0 - 0.5
F0850003	2.00E+01	J	0 - 0.5

* This electric easement crosses tax parcels 34-1, 33-40, and 29-3.

** = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-42

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1 **3.2.4.11 Utility Easement 11**

2 Utility Easement 11 is an electric easement that crosses tax parcels 18-84, 18-85, and 13-2. In
3 addition to industrial exposure to floodplain soil from typical maintenance operations, there is
4 recreational exposure associated with this easement because a recreational visitor could be
5 exposed to floodplain soil while walking, hiking, or engaging in related activities. The
6 recreational exposure scenarios are evaluated by individual tax parcel in Subsection 3.2.2. This
7 evaluation focuses on industrial exposure only.

8 **Floodplain Soil**

9 Forty-eight floodplain soil samples (0 to 1 ft) and three duplicate floodplain soil samples were
10 taken from Utility Easement 11. Of these samples, 15 had detected PCB concentrations. The
11 maximum detected PCB concentration was 0.301 mg/kg. This concentration does not exceed the
12 industrial floodplain soil SRBC of 20 mg/kg; therefore, this easement does not require further
13 evaluation for industrial exposure. Table 3-116 presents the results of the floodplain soil samples
14 collected from Utility Easement 11. Figure 3-43 presents the locations of the floodplain soil
15 samples collected from Utility Easement 11.

Table 3-116

**Floodplain Soil PCB Results for Utility Easement 11*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: 3.10E-01

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000544	1.69E-02	U	0 - 0.5
FL000544	9.22E-03	J	0.5 - 1
FL000545	7.53E-03	J	0 - 0.5
FL000546	1.11E-02	J	0 - 0.5
FL000547	1.88E-02		0 - 0.5
FL000547	1.42E-02	J	0.5 - 1
FL000548	8.65E-03	J	0 - 0.5
FL000571	9.83E-03	J	0.5 - 1
FL000571	3.10E-01		0 - 0.5
FL000572	2.48E-02	J	0 - 0.5
FL000573	4.18E-02	J	0 - 0.5
FL000573	2.46E-02	J	0.5 - 1
FL000574	2.85E-02	J	0 - 0.5
FL000575	1.20E-02	J	0 - 0.5
FL000575	2.19E-02	U	0.5 - 1
FL000576	3.03E-02	J	0 - 0.5
FL000577	3.18E-02	U	0.5 - 1
FL000577	1.72E-02	J	0 - 0.5
F1190735	1.41E+00	U	0 - 0.5
F1190736	7.50E-01	U	0.5 - 1
F1190736	9.19E-01	U	0 - 0.5
F1190737	1.66E+00	U	0 - 0.5
F1190737**	1.41E+00	U	0 - 0.5
F1190738	1.48E+00	U	0 - 0.5
F1190738	7.27E-01	U	0.5 - 1
F1391024	1.47E+00	U	0 - 0.5
F1391024**	1.62E+00	U	0 - 0.5
F1391024	1.31E+00	U	0.5 - 1
F1391025	1.42E+00	U	0 - 0.5
F1391026	1.47E+00	U	0 - 0.5
F1391026	1.49E+00	U	0.5 - 1
F1391027	1.53E+00	U	0 - 0.5
SL0606	9.97E-01	U	0 - 0.5
SL0606	1.51E+00	U	0.5 - 1
SL0607	1.66E+00	U	0 - 0.5
SL0607**	1.64E+00	U	0 - 0.5
SL0608	1.38E+00	U	0 - 0.5
SL0608	1.28E+00	U	0.5 - 1
SL0609	1.67E+00	U	0 - 0.5
SL0571	9.36E-01	U	0 - 0.5
SL0571	6.94E-01	U	0.5 - 1
SL0572	1.52E+00	U	0 - 0.5
SL0573	1.41E+00	U	0.5 - 1
SL0573	1.65E+00	U	0 - 0.5
SL0574	1.37E+00	U	0 - 0.5
F1391125	8.53E-01	U	0 - 0.5

Table 3-116

**Floodplain Soil PCB Results for Utility Easement 11*
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
F1391125	6.75E-01	U	0.5 - 1
F1391126	8.85E-01	U	0 - 0.5
F1391127	8.72E-01	U	0 - 0.5
F1391127	7.47E-01	U	0.5 - 1
F1391128	7.06E-01	U	0 - 0.5

* This electric easement crosses tax parcels 18-84, 18-85, and 13-2.

** = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-43

1 **3.2.4.12 Utility Easement 12**

2 Utility Easement 12 is an AT&T easement that crosses tax parcels 19-1 and 19-3. In addition to
3 industrial exposure to floodplain soil during typical maintenance operations, there is recreational
4 exposure associated with this easement because a recreational visitor could be exposed to
5 floodplain soil while hunting, trapping, and engaging in related activities. The recreational
6 exposure scenarios are evaluated in Subsection 3.2.2. This evaluation focuses on industrial
7 exposure only.

8 **Floodplain Soil**

9 Nine floodplain soil samples (0 to 6 ft) and one duplicate floodplain soil sample were taken from
10 Utility Easement 12. All of these samples had detected PCB concentrations. The maximum
11 detected PCB concentration was 3.6 mg/kg. This concentration does not exceed the industrial
12 floodplain soil SRBC of 20 mg/kg; therefore, this easement does not require further evaluation
13 for industrial exposure. Table 3-117 presents the results of the floodplain soil samples collected
14 from Utility Easement 12. Figure 3-43 presents the locations of the floodplain soil samples
15 collected from Utility Easement 12.

Table 3-117

**Floodplain Soil PCB Results for Utility Easement 12*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: 3.60E+00

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
BS000025	3.00E+00		0 - 0.5
BS000025	3.60E+00		0.5 - 1
BS000025	5.90E-01		1 - 6
FL000598	1.20E-01		1 - 6
FL000598	1.40E+00		0 - 0.5
FL000598	8.70E-01		0.5 - 1
FL000599	1.20E-01		0 - 0.5
FL000599	3.40E-01		0.5 - 1
FL000599**	2.70E-01		0.5 - 1
FL000599	1.30E-01		1 - 4

* This easement crosses tax parcels 19-1 and 19-3.

** = duplicate sample

See Figure 3-43

1 **3.2.4.13 Utility Easement 13**

2 Utility Easement 13 is an electric easement that crosses tax parcels 9-17, 9-18, and 2-4. In
3 addition to industrial exposure to floodplain soil during typical maintenance operations, there is
4 recreational exposure associated with this easement because a recreational visitor could be
5 exposed to floodplain soil while walking, hiking, or engaging in related activities. The
6 recreational exposure scenarios are evaluated by individual tax parcel in Subsection 3.2.2. This
7 evaluation focuses on industrial exposure only.

8 **Floodplain Soil**

9 Three floodplain soil samples (0 to 1 ft) were taken from Utility Easement 13. One of these
10 samples had a detected PCB concentration. The detected PCB concentration was 0.853 mg/kg.
11 This concentration does not exceed the industrial floodplain soil SRBC of 20 mg/kg; therefore,
12 this easement does not require further evaluation for industrial exposure. Table 3-118 presents
13 the results of the floodplain soil samples collected from Utility Easement 13. Figure 3-44
14 presents the locations of the floodplain soil samples collected from Utility Easement 13.

Table 3-118

**Floodplain Soil PCB Results for Utility Easement 13*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: 8.53E-01

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001363	8.53E-01	J	0 - 0.5
F1491204	1.47E+00	U	0 - 0.5
F1491204	6.48E-01	U	0.5 - 1

* This electric easement crosses tax parcels 9-17, 9-18, and 2-8.

J = estimated detected value

U = not detected at reported value

See Figure 3-44

1 **3.2.4.14 Tax Parcel: J2-2-1**

2 Tax parcel J2-2-1 is the site of the Pittsfield Waste Water Treatment Plant (WWTP) and is an
3 industrial land use. It was assumed that a site worker could contact floodplain soil during typical
4 daily activities. This property is approximately 122 acres. Approximately 31 acres are within the
5 10-year floodplain and extend to the riverbank.

6 **Floodplain Soil**

7 Thirty floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
8 detected PCB concentrations. The maximum detected PCB concentration was 201 mg/kg. This
9 concentration exceeds the industrial floodplain soil SRBC of 20 mg/kg. The 95% UCL for this
10 area was 91.6 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
11 concentration. A comparison of the EPC against the SRBC indicates that this property will
12 require further evaluation. Table 3-119 presents the results of the floodplain soil samples
13 collected from tax parcel J2-2-1. Figure 3-19 presents the locations of the floodplain soil samples
14 collected from tax parcel J2-2-1.

Table 3-119

**Floodplain Soil PCB Results for Tax Parcel J2-2-1
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Area

Maximum Detected Concentration: 2.01E+02
 Data Distribution: Default (lognormal)
 95% UCL: 9.16E+01
 EPC: 9.16E+01
 SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000159	2.62E+01	J	0 - 0.5
FL000160	3.74E+01	J	0 - 0.5
FL000161	1.32E+02	J	0 - 0.5
FL000162	8.44E+01	J	0 - 0.5
FL000155	1.07E+01	J	0 - 0.5
FL000156	1.16E+01	J	0 - 0.5
FL000157	8.80E+00	J	0 - 0.5
FL000158	3.38E+01	J	0 - 0.5
FL001046	3.64E+01		0 - 0.5
FL001047	3.25E+00		0 - 0.5
FL001048	3.62E+01		0 - 0.5
FL001049	1.45E+01		0 - 0.5
FL001063	9.55E+00		0 - 0.5
FL001064	1.10E+01		0 - 0.5
FL001065	1.35E+01		0 - 0.5
FL001340	4.60E+01		0 - 0.5
FL001341	2.82E+01		0 - 0.5
FL001342	2.73E+01		0 - 0.5
FL001343	1.16E+01		0 - 0.5
FL001344	1.92E+01		0 - 0.5
FL001345	1.86E+01		0 - 0.5
FL001346	2.29E+01		0 - 0.5
F0644001	2.74E-01	J	0 - 0.5
F0644002	2.29E+00	J	0 - 0.5
F0644003	2.01E+02	J	0 - 0.5
F0745003	9.03E+01	J	0 - 0.5
F0643003	2.50E+01	J	0 - 0.5
F0746002	6.99E+01	J	0 - 0.5
F0746003	2.50E+01	J	0 - 0.5
F0746006	6.61E+01	J	0 - 0.5

J = estimated detected value
 See Figure 3-19

1 **3.2.4.15 Tax Parcel: 34-1**

2 Tax parcel 34-1 is owned by the Electric Power Research Institute (EPRI) and is considered an
3 industrial land use. It was assumed that a site worker could contact floodplain soil during typical
4 daily activities. This property is about 36 acres. Approximately 14 acres lie within the 10-year
5 floodplain and extend to the riverbank.

6 **Floodplain Soil**

7 Twenty-six floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples
8 had detected PCB concentrations. The maximum detected PCB concentration was 53 mg/kg.
9 This concentration exceeds the industrial floodplain soil SRBC of 20 mg/kg. The 95% UCL for
10 this area was 42.5 mg/kg. The 95% UCL is the EPC because it is less than the maximum
11 detected concentration. A comparison of the EPC against the SRBC indicates that this property
12 will require further evaluation. Table 3-120 presents the results of the floodplain soil samples
13 collected from tax parcel 34-1. Figure 3-23 presents the locations of the floodplain soil samples
14 collected from tax parcel 34-1.

Table 3-120

**Floodplain Soil PCB Results for Tax Parcel 34-1
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Area

Maximum Detected Concentration: 5.30E+01

Data Distribution: Default (lognormal)

95% UCL: 4.25E+01

EPC: 4.25E+01

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000524	1.65E+00		0 - 0.5
FL000524	1.06E+00		0.5 - 1
FL000588	1.90E+01		0 - 0.5
FL000588	2.40E+01		0.5 - 1
FL000859	1.56E+01		0 - 0.5
FL000859	1.72E+01		0.5 - 1
FL000881	1.83E+01		0 - 0.5
FL001088	1.62E+01		0 - 0.5
F0747004	8.75E+00	J	0 - 0.5
F0747005	7.92E+00	J	0 - 0.5
F0747006	2.00E+00		0 - 0.5
F0848001	7.60E+00	J	0 - 0.5
F0848004	3.09E+01	J	0 - 0.5
F0848005	2.00E+01	J	0 - 0.5
F0848006	4.07E+01	J	0 - 0.5
F0789915	3.26E+01	J	0 - 0.5
F0789915	1.69E+01	J	0.5 - 1
F0789916	4.27E+01	J	0 - 0.5
F0789917	3.84E+01	J	0 - 0.5
F0789917	5.30E+01	J	0.5 - 1
F0789907	1.05E+01	J	0.5 - 1
F0789907	9.74E+00	J	0 - 0.5
F0789908	1.46E+01	J	0 - 0.5
F0789913	3.78E+00		0 - 0.5
F0789913	7.80E-01	J	0.5 - 1
F0789914	7.57E+00	J	0 - 0.5

J = estimated detected value

See Figure 3-23

1 **3.2.4.16 Tax Parcel: 9-14**

2 Tax parcel 9-14 is owned by the Housatonic Track Company, Inc., and is classified as
3 commercial/industrial land use. It is approximately 1.8 acres. Approximately 0.9 acre lies within
4 the 10-year floodplain.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Neither of these samples
7 had detected PCB concentrations. Based on these results, this property does not require further
8 evaluation and was eliminated from further consideration. Table 3-121 presents the results of the
9 floodplain soil samples collected from tax parcel 9-14. Figure 3-38 presents the locations of the
10 floodplain soil samples collected from tax parcel 9-14.

Table 3-121

**Floodplain Soil PCB Results for Tax Parcel 9-14
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Area

Maximum Detected Concentration: ND

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000353	5.04E-01	UJ	0 - 0.5
FL000354	5.01E-01	UJ	0 - 0.5

ND = not detected

UJ = estimated nondetected value

See Figure 3-38

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1 **3.3 RIVERBANK SOIL AND SEDIMENT EXPOSURE**

2 As previously noted, riverbank soil and sediment were screened on an exposure-area basis. The
3 following subsections present the results of the riverbank soil and sediment screening by land
4 use. Because exposure areas often include both residential and recreational exposure, especially
5 in the upper region of Reach 5, these land uses are combined in this section. The sediment data
6 used in this evaluation were from samples located close to the riverbank where human contact
7 would most likely occur and did not typically include data from samples located in the middle of
8 the river channel or impoundment areas. Figure 3-45 shows the location along the river of the
9 more specific riverbank soil and sediment exposure areas.

10 **3.3.1 Residential and Recreational Land Use**

11 Residents may be exposed to riverbank soil and sediment during certain activities on their
12 properties. Recreational visitors may be exposed to riverbank soil and sediment through such
13 activities as hunting, fishing, trapping, canoeing, dirtbiking, wading, hiking, horseback riding,
14 and picnicking. Residential properties and recreational land use areas were classified as having
15 high- or low-contact exposure and were screened against the appropriate SRBCs.

16 Because only two exposure areas were assumed to be high-contact residential land use areas for
17 both riverbank soil and sediment exposure, these areas are evaluated separately in Subsection
18 3.3.1.1. All other exposure areas were assumed to be low-contact residential areas or either low-
19 or high-contact recreational areas. The similarity of the SRBCs for these land uses simplifies this
20 analysis:

- 21 ▪ Low-contact riverbank soil SRBC for residential and recreational land use is 7 mg/kg.
- 22 ▪ Low-contact sediment SRBC for residential and recreational land use is 5 mg/kg.
- 23 ▪ High-contact sediment SRBC for residential and recreational land use is 3 mg/kg.

24 These areas are evaluated in Subsection 3.3.1.2.

25 **3.3.1.1 High-Contact Residential Land Use**

26 Riverbank soil concentrations of PCBs in areas considered as high-contact residential exposure
27 areas were screened against the residential high-contact riverbank soil SRBC of 2 mg/kg.
28 Sediment concentrations of PCBs in locations considered high-contact residential exposure areas

1 were screened against the residential high-contact sediment SRBC of 3 mg/kg. The two exposure
2 areas that represent high-contact residential riverbank soil and sediment exposures are presented
3 in Table 3-122. Reach 5 and 6 riverbank soil and sediment exposure areas were delineated and
4 numbered starting at the most upstream location of the study area and proceeded downstream. In
5 using this approach, the first high-contact residential exposure areas are numbers 4 and 5,
6 respectively; therefore, the evaluation of Exposure Areas 4 and 5 is presented first as shown in
7 Table 3-122. This table also presents the identification of each of these exposure areas, the town
8 in which the exposure area is located, the riverbank location (east or west bank), the ID numbers
9 of the tax parcels that are located within each exposure area, the table and figure references, and
10 the results of the screening evaluation. Since these riverbanks are considered extensions of the
11 high-contact residential property, they are treated in a similar fashion as the high-contact
12 residential floodplain properties, i.e., those with concentrations greater than 2 mg/kg will be
13 transferred to GE for further evaluation.

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Table 3-122
Summary of the High-Contact Residential
Riverbank Soil and Sediment Phase 1 Screening Results

Exposure Area	Exposure Area Description	Town	Riverbank Location	Tax Parcel IDs	Table/Figure Reference	Riverbank Soil Screening Result	Sediment Screening Result
4	Pomeroy Avenue Bridge downstream to the Holmes Road Bridge	Pittsfield	East	J6-2-1, J6-2-2, J6-2-3	Table 3-123; Figure 3-49	Transferred to GE*	Retained
5	Pomeroy Avenue Bridge downstream to the Holmes Road Bridge	Pittsfield	West	J6-3-1	Table 3-124; Figure 3-50	Transferred to GE	Retained

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10

Retained — Retained for further evaluation in Phase 2.

* Tax parcels J6-2-1 and J6-2-2 are considered to have high-contact residential riverbank soil. Detected PCB concentrations in riverbank soil on these parcels exceed the residential high-contact riverbank soil SRBC of 2 mg/kg and were transferred to GE for further evaluation. Tax parcel J6-2-3 is considered low-contact residential riverbank soil. All detected PCB concentrations in riverbank soil at J6-2-3 exceed the residential low-contact riverbank soil SRBC of 7 mg/kg; therefore, riverbank soil associated with J6-2-3 was retained for further evaluation.

1 **3.3.1.1.1 Exposure Area 4**

2 Exposure Area 4 consists of tax parcels J6-2-1, J6-2-2, and J6-2-3 and are located between the
3 Pomeroy Avenue and Holmes Road bridges along the east bank of the river. Because the river
4 flows west to east through this exposure area, it could also be called the north bank. Floodplain
5 soil associated with tax parcels J6-2-1 and J6-2-2 is considered high-contact residential and as
6 such, exposure to riverbank soil is evaluated as high-contact residential. Tax parcel J6-2-3 was
7 not evaluated based on floodplain soil exposure because of the lack of area in the 10-year
8 floodplain and the lack of floodplain soil data. Exposure to riverbank soil at tax parcel J6-2-3
9 was assumed to be low-contact residential. Exposure to sediment along this stretch of the river
10 was assumed to be high-contact residential.

11 **Riverbank Soil**

12 Twenty riverbank soil samples (0 to 1 ft) and two duplicate riverbank soil samples were taken
13 from the exposure area. All of these samples had detected PCB concentrations. The maximum
14 detected PCB concentrations for the high-contact residential areas were 7.55 mg/kg for tax parcel
15 J6-2-1 and 89.5 mg/kg for tax parcel J6-2-2. These concentrations exceed the residential high-
16 contact riverbank soil SRBC of 2 mg/kg; therefore, the high-contact residential riverbank areas
17 will be transferred to GE for further evaluation. This is appropriate because the riverbank on
18 these properties is an extension of the lawn area and is not an inundated wetland or steep slope or
19 bank.

20 An evaluation of the riverbank soil data associated with tax parcel J6-2-3 indicates that every
21 PCB concentration exceeded the residential low-contact riverbank soil SRBC of 7 mg/kg. The
22 detected PCB concentrations ranged from 9.45 mg/kg to 38.9 mg/kg; therefore, the riverbank soil
23 associated with tax parcel J6-2-3 will be retained for further evaluation. Table 3-123 presents the
24 results of the riverbank soil samples collected from Exposure Area 4. Figure 3-49 presents the
25 locations of the riverbank soil samples collected from Exposure Area 4.

1 **Sediment**

2 Five sediment samples (0 to 0.5 ft) were taken from this exposure area. All of these samples had
3 detected PCB concentrations. The maximum detected PCB concentration was 104 mg/kg. This
4 concentration exceeds the residential high-contact sediment SRBC of 3 mg/kg. The 95% UCL
5 for this area was 1,010 mg/kg. The maximum detected concentration is the EPC because it is less
6 than the 95% UCL. A comparison of the EPC against the SRBC indicates that this exposure area
7 will require further evaluation. Table 3-123 presents the results of the sediment samples collected
8 from Exposure Area 4. Figure 3-49 presents the locations of the sediment samples collected from
9 Exposure Area 4.

Table 3-123

**PCB Results for Exposure Area 4
(Results in mg/kg; Depth in feet)**

High-Contact Residential Riverbank Soil

Maximum Detected Concentration: 8.95E+01

SRBC: 2.00E+00

High-Contact Residential Sediment

Maximum Detected Concentration: 1.04E+02

Data Distribution: Default (lognormal)

95% UCL: 1.01E+03

EPC: 1.04E+02

SRBC: 3.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BS000082	9.13E+00		0 - 0.5
BS000082	8.49E+00		0.5 - 1
BS000083	9.32E+00		0 - 0.5
BS000083	4.41E+01		0.5 - 1
BS000084	8.95E+01		0.5 - 1
BS000084	4.62E+01		0 - 0.5
BS000085	3.17E+01	J	0.5 - 1
BS000085	2.99E+01		0 - 0.5
BS000086	2.38E+00		0 - 0.5
BS000086	1.88E+00		0.5 - 1
BS000087	7.55E+00		0 - 0.5
BS000087	1.69E+00		0.5 - 1
BS000145*	1.26E+01		0 - 0.5
BS000145	9.45E+00		0 - 0.5
BS000145	1.12E+01		0.5 - 1
BS000098	3.27E+01	J	0 - 0.5
BS000098	3.60E+01	J	0.5 - 1
BS000099	7.36E+00		0 - 0.5
BS000099	1.52E+01		0.5 - 1
BS000100	1.67E+01		0 - 0.5
BS000100	3.89E+01	J	0.5 - 1
BS000100*	3.75E+01		0.5 - 1
<i>Sediment</i>			
SE000846	7.91E+00	J	0 - 0.5
SE000049	5.55E+00	J	0 - 0.5
SE000718	9.32E+00		0 - 0.5
SE001366	5.87E+00		0 - 0.5
SD048963	1.04E+02	J	0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 3-49

1 **3.3.1.1.2 Exposure Area 5**

2 Exposure Area 5 consists of tax parcel J6-3-1 and is located between the Pomeroy Avenue and
3 Holmes Road bridges along the west bank of the river. Because the river flows west to east
4 through this exposure area, it could also be called the south bank. The floodplain soil associated
5 with J6-3-1 was considered high-contact residential. Exposure to riverbank soil and sediment
6 along this stretch of river was assumed to be high-contact residential.

7 **Riverbank Soil**

8 Four riverbank soil samples (0 to 1 ft) were taken from this exposure area. All of these samples
9 had detected PCB concentrations. The maximum detected PCB concentration was 71 mg/kg.
10 This concentration exceeds the residential high-contact riverbank soil SRBC of 2 mg/kg;
11 therefore, the high-contact residential riverbank area will be transferred to GE for further
12 evaluation. Table 3-124 presents the results of the riverbank soil samples collected from
13 Exposure Area 5. Figure 3-50 presents the locations of the riverbank soil samples collected from
14 Exposure Area 5.

15 **Sediment**

16 Twenty-nine sediment samples (0 to 0.5 ft) were taken from this exposure area. All of these
17 samples had detected PCB concentrations. The maximum detected PCB concentration was 290
18 mg/kg. This concentration exceeds the residential high-contact sediment SRBC of 3 mg/kg. The
19 95% UCL for this area was 78.6 mg/kg. The 95% UCL is the EPC because it is less than the
20 maximum detected concentration. A comparison of the EPC against the SRBC indicates that this
21 exposure area will require further evaluation. Table 3-124 presents the results of the sediment
22 samples collected from Exposure Area 5. Figure 3-50 presents the locations of the sediment
23 samples collected from Exposure Area 5.

Table 3-124

**PCB Results for Exposure Area 5
(Results in mg/kg; Depth in feet)**

High-Contact Residential Riverbank Soil

Maximum Detected Concentration: 7.10E+01
SRBC: 2.00E+00

High-Contact Residential Sediment

Maximum Detected Concentration: 2.90E+02
Data Distribution: Lognormal
95% UCL: 7.86E+01
EPC: 7.86E+01
SRBC: 3.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BS000146	2.57E+01		0.5 - 1
BS000146	7.10E+01		0 - 0.5
BS000147	1.66E+01		0.5 - 1
BS000147	3.07E+01		0 - 0.5
<i>Sediment</i>			
SE000786	8.48E+00		0 - 0.5
SE000050	1.54E+00	J	0 - 0.5
SE000191	4.80E+01		0 - 0.5
SE000296	5.18E+00		0 - 0.5
SE000297	2.87E+01		0 - 0.5
SE000298	1.66E+01		0 - 0.5
SE000311	5.12E+00		0 - 0.5
SE000312	2.90E+02		0 - 0.5
SE000639	4.55E+00		0 - 0.5
SE000640	3.28E+00		0 - 0.5
SE000641	8.94E+01		0 - 0.5
SE000642	4.86E+00	J	0 - 0.5
SE000643	1.49E+00		0 - 0.5
SE000644	5.84E+00		0 - 0.5
SE000645	2.41E+01		0 - 0.5
SE000646	2.39E+02		0 - 0.5
SE000647	9.93E+01		0 - 0.5
SE000648	4.81E+00		0 - 0.5
SE000649	1.57E+01		0 - 0.5
SE000650	1.38E+01		0 - 0.5
SE000719	3.10E+00		0 - 0.5
SE000720	3.91E+01		0 - 0.5
SE000721	8.00E+00	J	0 - 0.5
SEEC0012	1.38E+00		0 - 0.5
SEEC0013	1.42E+01		0 - 0.5
SEEC0014	3.17E+01	J	0 - 0.5
SEEC0015	3.57E+00		0 - 0.5
SD048961	2.80E+01	J	0 - 0.5
SD048962	3.76E+00	J	0 - 0.5

NA = not applicable, insufficient number of samples

J = estimated detected value

See Figure 3-50

1 **3.3.1.2 Low-Contact Residential and High-/Low-Contact Recreational Land Use**

2 Riverbank soil concentrations of PCBs in locations considered high-contact recreational
3 exposure areas were screened against the recreational high-contact riverbank soil SRBC of 5
4 mg/kg. Residential and recreational areas that were not classified as representing high-contact
5 riverbank soil exposure were evaluated as low-contact riverbank soil exposures. Concentrations
6 of PCBs in locations considered to represent low-contact riverbank soil exposure were screened
7 against the low-contact riverbank soil SRBC of 7 mg/kg.

8 Sediment concentrations of PCBs in recreational locations considered high-contact exposure
9 areas were screened against the high-contact sediment SRBC of 3 mg/kg. Sediment
10 concentrations of PCBs in residential and recreational locations considered low-contact exposure
11 areas were screened against the low-contact sediment SRBC of 5 mg/kg. Table 3-125 presents
12 the identification of each of these exposure areas, the town in which the exposure area is located,
13 the riverbank location (east or west bank), the ID numbers of the tax parcels that are located
14 within each exposure area, the table and figure references, and the results of the screening
15 evaluation.

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4

Table 3-125

Summary of the Residential Low-Contact and Recreational High-/Low-Contact Riverbank Soil and Sediment Phase 1 Screening Results

Exposure Area	Exposure Area Description	Town	Riverbank Location	Tax Parcel IDs	Table/Figure Reference	Riverbank Soil Screening Result	Sediment Screening Result
1	Confluence downstream to the Pomeroy Avenue Bridge	Pittsfield	East	I6-1-41, I6-1-1, I6-2-1, I6-3-13, I6-3-1	Table 3-126; Figure 3-46	Retained	Retained
2	Paintball Area	Pittsfield	West	H6-4-5, H6-4-13	Table 3-127; Figure 3-47	Retained	Retained
3	Paintball Area downstream to the Pomeroy Avenue Bridge	Pittsfield	West	I5-1-1	Table 3-128; Figure 3-48	No data available	Retained
6	Canoe Meadows	Pittsfield	East	J6-4-2	Table 3-129; Figure 3-51	Retained	Retained
7	Holmes Road Bridge downstream to tax parcel J5-2-4	Pittsfield	West	J5-2-110, J5-2-11, J5-2-4, J5-2-105	Table 3-130; Figure 3-52	Retained	Retained
8	Tax parcels J4-3-13 and J4-3-12	Pittsfield	West	J4-3-13, J4-3-12	Table 3-131; Figure 3-53	Retained	Retained
9	Tax parcel J3-1-13 downstream to tax parcel J3-1-7	Pittsfield	West	J3-1-13, J3-1-12, J3-1-11, J3-1-7	Table 3-132; Figure 3-54	Retained	Retained
10	Tax parcels J3-1-6 and J2-2-2	Pittsfield	West	J3-1-6, J2-2-2	Table 3-133; Figure 3-55	Retained	Retained
11	Tax parcel J3-2-2 downstream to tax parcel J3-2-6	Pittsfield	East	J3-2-2, J3-2-3, J3-2-4, J3-2-5, J3-2-6	Table 3-134; Figure 3-56	Retained	Retained
12	Tax parcel K3-1-19 downstream to tax parcel K2-1-1	Pittsfield	East	K3-1-19, K3-1-2, K3-1-1, K2-1-10, K2-1-5, K2-1-4, K2-1-3, K2-1-1	Table 3-135; Figure 3-57	Retained	Retained
13	Pittsfield WWTP	Pittsfield	East	J2-2-1	Table 3-136; Figure 3-58	NA	Retained

Table 3-125

**Summary of the Residential Low-Contact and Recreational High-/Low-Contact
Riverbank Soil and Sediment Phase 1 Screening Results
(Continued)**

Exposure Area	Exposure Area Description	Town	Riverbank Location	Tax Parcel IDs	Table/Figure Reference	Riverbank Soil Screening Result	Sediment Screening Result
14	EPRI	Lenox	West	34-1	Table 3-137; Figure 3-59	NA	Retained
15	Tax parcel 33-40 downstream to the New Lenox Road Bridge	Lenox	West	33-40, 29-3	Table 3-138; Figure 3-60	Retained	Retained
16	Tax parcel 29-9	Lenox	East	29-9	Table 3-139; Figure 3-61	Retained	Retained
17	Tax parcel 29-2	Lenox	West	29-2	Table 3-140; Figure 3-62	Retained	Retained
18	Tax parcel 29-1	Lenox	East	29-1	Table 3-141; Figure 3-63	No data available	Retained
19	Tax parcel 24-7 downstream to Tax parcel 24-1	Lenox	East	24-7, 24-6, 24-5, 24-4, 24-3, 24-1	Table 3-142; Figure 3-64	No data available	Retained
20	Tax parcel 19-3 and 19-2	Lenox	East	19-3, 19-2	Table 3-143; Figure 3-65	Retained	Retained
21	Tax parcel 19-5 and 19-1	Lenox	West	19-5, 19-1	Table 3-144; Figure 3-66	Retained	Retained
22	Tax parcel 14-4 downstream to the Woods Pond Dam	Lenox	West	14-4, 9-18, 9-17, 9-16	Table 3-145; Figure 3-67	No data available	Retained
23	Tax parcel 1-4 downstream to the Woods Pond Dam	Lenox	East	1-4, 1-3, 1-1, 2-8, 2-4	Table 3-146; Figure 3-68	Retained	Retained

- 1
- 2 Retained — Retained for further evaluation in Phase 2.
- 3 Eliminated — eliminated from further consideration.
- 4 NA — Not applicable; exposure to riverbank soil in this area is assumed to be commercial/industrial and is evaluated in Subsection 3.3.2.

1 **3.3.1.2.1 Exposure Area 1**

2 Exposure Area 1 begins at the confluence of the East and West Branches of the Housatonic River
3 and extends downstream to the Pomeroy Avenue Bridge along the east bank of the river.
4 Because the river flows west to east through this exposure area, it could also be called the north
5 bank. This area includes residential properties and government-owned lands. Exposure to
6 riverbank soil and sediment along this stretch of river was assumed to be low contact.

7 **Riverbank Soil**

8 Twelve riverbank soil samples (0 to 1 ft) were taken from this exposure area. Of these samples,
9 11 had detected PCB concentrations. The maximum detected PCB concentration was 32.8
10 mg/kg. This concentration exceeds the low-contact riverbank soil SRBC of 7 mg/kg. The 95%
11 UCL for this area was 53.7 mg/kg. The maximum detected concentration is the EPC because it is
12 less than the 95% UCL. A comparison of the EPC against the SRBC indicates that this exposure
13 area will require further evaluation. Table 3-126 presents the results of the riverbank soil samples
14 collected from Exposure Area 1. Figure 3-46 presents the locations of the riverbank soil samples
15 collected from Exposure Area 1.

16 **Sediment**

17 Fifty-two sediment samples (0 to 0.5 ft) and three duplicate sediment samples were taken from
18 this exposure area. Of these samples, 54 had detected PCB concentrations. The maximum
19 detected PCB concentration was 113 mg/kg. This concentration exceeds the low-contact
20 sediment SRBC of 5 mg/kg. The 95% UCL for this area was 30.7 mg/kg. The 95% UCL is the
21 EPC because it is less than the maximum detected concentration. A comparison of the EPC
22 against the 95% UCL indicates that this exposure area will require further evaluation. Table 3-
23 126 presents the results of the sediment samples collected from Exposure Area 1. Figure 3-46
24 presents the locations of the sediment samples collected from Exposure Area 1.

Table 3-126

**PCB Results for Exposure Area 1
(Results in mg/kg; Depth in feet)**

Low-Contact Riverbank Soil

Maximum Detected Concentration: 3.28E+01
 Data Distribution: Lognormal
 95% UCL: 5.37E+01
 EPC: 3.28E+01
 SRBC: 7.00E+00

Low-Contact Sediment

Maximum Detected Concentration: 1.13E+02
 Data Distribution: Default (lognormal)
 95% UCL: 3.07E+01
 EPC: 3.07E+01
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BS000144	3.28E+01		0 - 0.5
BS000144	1.17E+01		0.5 - 1
BS000094	4.66E+00		0 - 0.5
BS000094	8.57E-01		0.5 - 1
BS000095	5.02E-01	U	0.5 - 1
BS000095	5.95E+00		0 - 0.5
BS000096	4.55E+00		0 - 0.5
BS000096	2.77E+00		0.5 - 1
BS000097	9.77E+00		0 - 0.5
BS000097	1.12E+01		0.5 - 1
BS000143	1.08E+01		0.5 - 1
BS000143	1.88E+01		0 - 0.5
<i>Sediment</i>			
SE000784	2.98E+01		0 - 0.5
SE000785	7.72E+00		0 - 0.5
SE000299	7.39E+00		0 - 0.5
SE000300	6.74E+00		0 - 0.5
SE000301	3.25E+00		0 - 0.5
SE000192	6.90E+01		0 - 0.5
SE000193	8.80E+00		0 - 0.5
SE000325	1.06E+01		0 - 0.5
SE000326	9.32E+00		0 - 0.5
SE000327	1.33E+01	J	0 - 0.5
SE000328	1.13E+02	J	0 - 0.5
SE000329	5.82E+00		0 - 0.5
SE000330	7.87E+00	J	0 - 0.5
SE000350	7.89E+00		0 - 0.5
SE000351	6.62E+00		0 - 0.5
SE000352	9.38E+00		0 - 0.5
SE000353	9.51E+00		0 - 0.5
SE000356	3.36E+01		0 - 0.5
SE000357	1.67E+01		0 - 0.5
SE000395	7.51E+00		0 - 0.5
SE000422	1.77E+00		0 - 0.5
SE000423	3.42E+00		0 - 0.5

Table 3-126

PCB Results for Exposure Area 1
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
SE000331	1.06E+02		0 - 0.5
SE000332	6.67E+00		0 - 0.5
SE000335	9.52E+00		0 - 0.5
SE000336	1.18E+01		0 - 0.5
SE000342	1.57E+01	J	0 - 0.5
SE000342*	6.43E+00	J	0 - 0.5
SE000343	4.94E+01	J	0 - 0.5
SE000364	2.07E+01		0 - 0.5
SE000365	4.58E+01		0 - 0.5
SE000365*	6.13E+01		0 - 0.5
SE000919	3.96E+01	J	0 - 0.5
SE000920	2.99E+00	J	0 - 0.5
SE000922	6.35E+01		0 - 0.5
SE000923	1.41E+01		0 - 0.5
SE001134	3.28E-01	J	0 - 0.5
SE001149	1.16E+01		0 - 0.5
SE001151	1.46E+00		0 - 0.5
SE000899	1.40E+01		0 - 0.5
SE000900	4.21E+00	J	0 - 0.5
SE000901	5.59E+00		0 - 0.5
SE000902	3.15E+00		0 - 0.5
SE000916	4.96E+00		0 - 0.5
SE000916*	4.14E+00		0 - 0.5
SE001133	3.06E+00		0 - 0.5
SD033102	2.50E+01	J	0 - 0.5
SD033103	5.06E-01	UJ	0 - 0.5
SD033003	1.10E+01	J	0 - 0.5
SD033202	9.33E+00	J	0 - 0.5
SD033203	3.94E+01	J	0 - 0.5
SD033302	3.33E+00	J	0 - 0.5
SD033303	9.84E+00	J	0 - 0.5
SD038952	3.56E+00	J	0 - 0.5
SD038953	1.04E+01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-46

1 **3.3.1.2.2 Exposure Area 2**

2 Exposure Area 2 includes the Paintball Recreational Area located on the west bank of the river.
3 This unofficial name was given to this property because of the presence of spent paintball
4 cartridges and related materials. Exposure to riverbank soil and sediment along this stretch of
5 river was assumed to be low contact.

6 **Riverbank Soil**

7 Seventeen riverbank soil samples (0 to 1 ft) were taken from this exposure area. Of these
8 samples, 10 had detected PCB concentrations. The maximum detected PCB concentration was
9 117 mg/kg. This concentration exceeds the low-contact riverbank soil SRBC of 7 mg/kg. The
10 95% UCL for this area was 803 mg/kg. The maximum detected concentration is the EPC because
11 it is less than the 95% UCL. A comparison of the EPC against the SRBC indicates that this
12 exposure area will require further evaluation. Table 3-127 presents the results of the riverbank
13 soil samples collected from Exposure Area 2. Figure 3-47 presents the locations of the riverbank
14 soil samples collected from Exposure Area 2.

15 **Sediment**

16 Twenty-four sediment samples (0 to 0.5 ft) were taken from this exposure area. Of these
17 samples, 19 had detected PCB concentrations. The maximum detected PCB concentration was
18 277 mg/kg. This concentration exceeds the low-contact sediment SRBC of 5 mg/kg. The 95%
19 UCL for this area was 65.9 mg/kg. The 95% UCL is the EPC because it is less than the
20 maximum detected concentration. A comparison of the EPC against the SRBC indicates that this
21 exposure area will require further evaluation. Table 3-127 presents the results of the sediment
22 samples collected from Exposure Area 2. Figure 3-47 presents the locations of the sediment
23 samples collected from Exposure Area 2.

Table 3-127

**PCB Results for Exposure Area 2
(Results in mg/kg; Depth in feet)**

Low-Contact Riverbank Soil

Maximum Detected Concentration: 1.17E+02
 Data Distribution: Default (lognormal)
 95% UCL: 8.03E+02
 EPC: 1.17E+02
 SRBC: 7.00E+00

Low-Contact Sediment

Maximum Detected Concentration: 2.77E+02
 Data Distribution: Default (lognormal)
 95% UCL: 6.59E+01
 EPC: 6.59E+01
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BW0082A	2.40E+01		0.0 - 0.08
BS000069	1.89E+01	J	0 - 0.5
BS000069	1.21E+00		0.5 - 1
BS000070	8.07E+00		0.5 - 1
BS000070	1.50E+01		0 - 0.5
BS000071	9.94E+00		0 - 0.5
BS000071	9.44E+00		0.5 - 1
BS000072	9.10E-02	J	0 - 0.5
BS000072	5.03E-01	U	0.5 - 1
BS000073	5.03E-01	U	0 - 0.5
BS000073	5.39E-01	U	0.5 - 1
BS000074	5.32E-01	U	0.5 - 1
BS000074	5.03E-01	U	0 - 0.5
BS000075	5.08E-01	U	0 - 0.5
BS000075	5.03E-01	U	0.5 - 1
BS000076	4.11E+01		0 - 0.5
BS000076	1.17E+02		0.5 - 1
<i>Sediment</i>			
FL000450	1.12E+00	UJ	0 - 0.5
FL000457	1.66E+00	J	0 - 0.5
FL000458	5.02E-01	UJ	0 - 0.5
FL000459	1.58E+00	J	0 - 0.5
FL000460	4.00E-01	J	0 - 0.5
FL000461	6.19E-01	J	0 - 0.5
SE000458	4.50E-01	J	0 - 0.5
SE000459	2.47E+00		0 - 0.5
SE000460	5.01E-01	U	0 - 0.5
SE000461	8.06E+01		0 - 0.5
SE000462	5.02E-01	U	0 - 0.5

Table 3-127

PCB Results for Exposure Area 2
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
SE000463	4.69E-01	J	0 - 0.5
SE000464	1.03E+01		0 - 0.5
SE000465	2.77E+02		0 - 0.5
SE000344	7.30E+00		0 - 0.5
SE000345	1.42E+01		0 - 0.5
SE000449	1.25E+01		0 - 0.5
SE000450	4.83E+00		0 - 0.5
SE000466	5.01E-01	U	0 - 0.5
SE000467	3.78E+00		0 - 0.5
SE000468	1.42E+00		0 - 0.5
SE000469	4.46E-01	J	0 - 0.5
SE000903	5.14E-01		0 - 0.5
SD033002	1.02E+01	J	0 - 0.5

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-47

1 **3.3.1.2.3 Exposure Area 3**

2 Exposure Area 3 begins at the Paintball Recreational Area and extends downstream to the
3 Pomeroy Avenue Bridge along the west bank of the river. Because the river flows west to east
4 through this exposure area, it could also be called the south bank. Exposure to riverbank soil was
5 not evaluated for Exposure Area 3 because of the absence of a clearly defined riverbank.
6 Riverbank soil samples were collected only from areas where a clearly defined riverbank was
7 present. Exposure to sediment in this area was assumed to be low contact.

8 **Sediment**

9 Sixteen sediment samples (0 to 0.5 ft) and two duplicate sediment samples were taken from this
10 exposure area. All of these samples had detected PCB concentrations. The maximum detected
11 PCB concentration was 77.5 mg/kg. This concentration exceeds the low-contact sediment SRBC
12 of 5 mg/kg. The 95% UCL for this area was 73.2 mg/kg. The 95% UCL is the EPC because it is
13 less than the maximum detected concentration. A comparison of the EPC against the SRBC
14 indicates that this exposure area will require further evaluation. Table 3-128 presents the results
15 of the sediment samples collected from Exposure Area 3. Figure 3-48 presents the locations of
16 the sediment samples collected from Exposure Area 3.

Table 3-128

**PCB Results for Exposure Area 3
(Results in mg/kg; Depth in feet)**

Low-Contact Sediment

Maximum Detected Concentration: 7.75E+01

Data Distribution: Default (lognormal)

95% UCL: 7.32E+01

EPC: 7.32E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Sediment</i>			
SE000354	1.16E+01		0 - 0.5
SE000355	1.55E+01		0 - 0.5
SE000358	1.44E+01		0 - 0.5
SE000359	1.15E+01		0 - 0.5
SE000424	9.93E+00		0 - 0.5
SE000333	1.33E+01		0 - 0.5
SE000334*	1.43E+01		0 - 0.5
SE000334	1.94E+01		0 - 0.5
SE000360	1.37E+01		0 - 0.5
SE000361	1.55E+01		0 - 0.5
SE000362	7.68E+00		0 - 0.5
SE000362*	7.63E+00		0 - 0.5
SE000363	7.34E+00		0 - 0.5
SE000921	5.18E+01		0 - 0.5
SE000917	7.41E+00		0 - 0.5
SD033101	7.75E+01	J	0 - 0.5
SD033201	1.50E-01	J	0 - 0.5
SD038951	6.33E+00	J	0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 3-48

1 **3.3.1.2.4 Exposure Area 6**

2 Exposure Area 6 consists of tax parcel J6-4-2, also known as Canoe Meadows, which is owned
3 by the Massachusetts Audubon Society and is located along the east bank of the river. Exposure
4 to riverbank soil and sediment along this stretch of river was assumed to be low contact.

5 **Riverbank Soil**

6 Twelve riverbank soil samples (0 to 1 ft) were taken from this exposure area. Of these samples,
7 11 had detected PCB concentrations. The maximum detected PCB concentration was 40.8
8 mg/kg. This concentration exceeds the low-contact riverbank soil SRBC of 7 mg/kg. The 95%
9 UCL for this area was 782 mg/kg. The maximum detected concentration is the EPC because it is
10 less than the 95% UCL. A comparison of the EPC against the SRBC indicates that this exposure
11 area will require further evaluation. Table 3-129 presents the results of the riverbank soil samples
12 collected from Exposure Area 6. Figure 3-51 presents the locations of the riverbank soil samples
13 collected from Exposure Area 6.

14 **Sediment**

15 Seventy-six sediment samples (0 to 0.5 ft) and one duplicate sediment sample were taken from
16 this exposure area. Of these samples, 74 had detected PCB concentrations. The maximum
17 detected PCB concentration was 215 mg/kg. This concentration exceeds the low-contact
18 sediment SRBC of 5 mg/kg. The 95% UCL for this area was 33.3 mg/kg. The 95% UCL is the
19 EPC because it is less than the maximum detected concentration. A comparison of the EPC
20 against the SRBC indicates that this exposure area will require further evaluation. Table 3-129
21 presents the results of the sediment samples collected from Exposure Area 6. Figure 3-51
22 presents the locations of the sediment samples collected from Exposure Area 6.

Table 3-129

**PCB Results for Exposure Area 6
(Results in mg/kg; Depth in feet)**

Low-Contact Riverbank Soil

Maximum Detected Concentration: 4.08E+01
 Data Distribution: Default (lognormal)
 95% UCL: 7.82E+02
 EPC: 4.08E+01
 SRBC: 7.00E+00

Low-Contact Sediment

Maximum Detected Concentration: 2.15E+02
 Data Distribution: Lognormal
 95% UCL: 3.33E+01
 EPC: 3.33E+01
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BS000152	1.05E+00		0 - 0.5
BS000152	2.59E-01	J	0.5 - 1
BS000153	4.08E+01		0.5 - 1
BS000153	3.55E+01		0 - 0.5
BS000046	1.58E+01		0 - 0.5
BS000046	3.92E+01		0.5 - 1
BS000047	2.76E+01	J	0.5 - 1
BS000047	3.92E+01		0 - 0.5
BS000048	5.98E+00	J	0.5 - 1
BS000048	1.39E+01		0 - 0.5
BS000049	5.71E-01	U	0.5 - 1
BS000049	7.46E+00	J	0 - 0.5
<i>Sediment</i>			
FL000300	1.10E+00	UJ	0 - 0.5
FL000301	1.06E+00	UJ	0 - 0.5
FL000302	1.81E+00	UJ	0 - 0.5
FL000303	5.05E+00	J	0 - 0.5
SE000498	2.99E+01		0 - 0.5
SE000499	1.85E+01		0 - 0.5
SE000500	2.60E+01	J	0 - 0.5
SE000501	3.60E+01	J	0 - 0.5
SE000502	2.80E+00	J	0 - 0.5
SE000503	8.20E+00	J	0 - 0.5
SE000504	1.95E+00	J	0 - 0.5
SE000790	4.28E+01	J	0 - 0.5
SE000913	4.54E+01		0 - 0.5
SE000928	1.31E+01		0 - 0.5
SE001144	5.98E+00	J	0 - 0.5
SD043402	4.55E+00	J	0 - 0.5
SD043403	1.03E+01	J	0 - 0.5
SD043502	1.13E+01	J	0 - 0.5
SD043503	1.44E+01	J	0 - 0.5
SD043602	6.08E+00	J	0 - 0.5
SD043603	6.73E+00	J	0 - 0.5
SE000052	3.35E+01	J	0 - 0.5

Table 3-129

PCB Results for Exposure Area 6
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
SE000053	2.43E+00	J	0 - 0.5
SE000055	4.11E+00	J	0 - 0.5
SE000056	7.22E+00	J	0 - 0.4
SE000058	2.74E+00	J	0 - 0.25
SE000059	7.58E+00	J	0 - 0.5
SE000060	2.15E+02	J	0 - 0.5
SE000061	2.23E+00	J	0 - 0.5
SE000062	6.45E+01	J	0 - 0.5
SE000063	5.51E+01	J	0 - 0.5
SE000064	3.19E+00	J	0 - 0.5
SE000065	3.24E+01	J	0 - 0.5
SE000066	5.45E+00	J	0 - 0.5
SE000067	4.80E+01	J	0 - 0.5
SE000068	1.78E+01	J	0 - 0.5
SE000069	1.27E+01	J	0 - 0.5
SE000190	2.70E+01		0 - 0.5
SE000313	1.35E+01		0 - 0.5
SE000314	1.29E+01		0 - 0.5
SE000319	1.69E+01		0 - 0.5
SE000320	1.67E+01		0 - 0.5
SE000321	9.83E+00		0 - 0.5
SE000322	8.05E+00		0 - 0.5
SE000323	1.88E+01	J	0 - 0.5
SE000324	1.69E+01		0 - 0.5
SE000377	1.29E+01		0 - 0.5
SE000378	1.55E+01		0 - 0.5
SE000379*	1.60E+01		0 - 0.5
SE000379	1.19E+01		0 - 0.5
SE000380	1.40E+01		0 - 0.5
SE000394	9.33E+00		0 - 0.5
SE000425	7.82E+00		0 - 0.5
SE000426	1.41E+00		0 - 0.5
SE000490	6.53E+00		0 - 0.5
SE000491	6.62E+01		0 - 0.5
SE000492	3.93E+00		0 - 0.5
SE000660	9.71E+00		0 - 0.5
SE000661	4.07E+01		0 - 0.5
SE000662	8.27E+01		0 - 0.5
SE000663	4.29E+00		0 - 0.5
SE000664	1.12E+02		0 - 0.5
SE000665	1.43E+01		0 - 0.5
SE000666	2.64E+00		0 - 0.5
SE000667	9.18E+01		0 - 0.5
SE000668	3.39E+01		0 - 0.5
SE000669	3.22E+01		0 - 0.5
SE000670	3.66E+00		0 - 0.5
SE000671	1.83E+01		0 - 0.5
SE000787	2.95E+00		0 - 0.5
SE000788	1.19E+01		0 - 0.5

Table 3-129

PCB Results for Exposure Area 6
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
SE000789	5.36E+00		0 - 0.5
SE000847	2.49E+00	J	0 - 0.5
SE000912	1.03E+00		0 - 0.5
SE000926	2.39E+00		0 - 0.5
SE000927	1.05E+01		0 - 0.5
SE000929	5.44E+01		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-51

1 **3.3.1.2.5 Exposure Area 7**

2 Exposure Area 7 extends from the Holmes Road Bridge downstream to and including tax parcel
3 J5-2-4 along the west bank of the river. This area includes residential properties. Exposure to
4 riverbank soil and sediment along this stretch of river was assumed to be low contact.

5 **Riverbank Soil**

6 Twenty riverbank soil samples (0 to 1 ft) and one duplicate riverbank soil sample were taken
7 from this exposure area. All of these samples had detected PCB concentrations. The maximum
8 detected PCB concentration was 41.9 mg/kg. This concentration exceeds the low-contact
9 riverbank soil SRBC of 7 mg/kg. The 95% UCL for this area was 24.7 mg/kg. The 95% UCL is
10 the EPC because it is less than the maximum detected concentration. A comparison of the EPC
11 against the SRBC indicates that this exposure area will require further evaluation. Table 3-130
12 presents the results of the riverbank soil samples collected from Exposure Area 7. Figure 3-52
13 presents the locations of the riverbank soil samples collected from Exposure Area 7.

14 **Sediment**

15 Fifteen sediment samples (0 to 0.5 ft) were taken from this exposure area. All of these samples
16 had detected PCB concentrations. The maximum detected PCB concentration was 52.5 mg/kg.
17 This concentration exceeds the low-contact sediment SRBC of 5 mg/kg. The 95% UCL for this
18 area was 20.3 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
19 concentration. A comparison of the EPC against the SRBC indicates that this exposure area will
20 require further evaluation. Table 3-130 presents the results of the sediment samples collected
21 from Exposure Area 7. Figure 3-52 presents the locations of the sediment samples collected from
22 Exposure Area 7.

Table 3-130

**PCB Results for Exposure Area 7
(Results in mg/kg; Depth in feet)**

Low-Contact Riverbank Soil

Maximum Detected Concentration: 4.19E+01
 Data Distribution: Lognormal
 95% UCL: 2.47E+01
 EPC: 2.47E+01
 SRBC: 7.00E+00

Low-Contact Sediment

Maximum Detected Concentration: 5.25E+01
 Data Distribution: Default (lognormal)
 95% UCL: 2.03E+01
 EPC: 2.03E+01
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BS000148	4.32E+00		0.5 - 1
BS000148	6.03E+00		0 - 0.5
BS000149	1.72E+01		0 - 0.5
BS000149	2.77E+01		0.5 - 1
BS000150	1.08E+01		0 - 0.5
BS000150	9.84E+00		0.5 - 1
BS000151	1.61E+01		0 - 0.5
BS000151	2.23E+01		0.5 - 1
BS000022	2.10E+01		0.5 - 1
BS000022	1.20E+01		0 - 0.5
BS000050	4.19E+01		0.5 - 1
BS000050	1.46E+01		0 - 0.5
BS000051	7.52E+00	J	0.5 - 1
BS000051	1.51E+01		0 - 0.5
BS000052	1.38E+01		0.5 - 1
BS000052	1.52E+01		0 - 0.5
BS000092	1.88E+01		0 - 0.5
BS000092	1.69E+01	J	0.5 - 1
BS000092*	4.18E+01	J	0.5 - 1
BS000093	3.23E+01		0.5 - 1
BS000093	1.82E+01		0 - 0.5
<i>Sediment</i>			
SD043401	1.25E+01	J	0 - 0.5
SD043501	8.00E+00	J	0 - 0.5
SD043601	2.15E+01	J	0 - 0.5
SE000315	8.94E+00		0 - 0.5
SE000316	1.29E+01		0 - 0.5
SE000317	1.15E+01		0 - 0.5
SE000427	1.00E+01		0 - 0.5

Table 3-130

**PCB Results for Exposure Area 7
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
SE000493	1.21E+01		0 - 0.5
SE000494	1.13E+01		0 - 0.5
SE000495	7.03E+00		0 - 0.5
SE000791	7.14E+00		0 - 0.5
SE000792	3.10E+01		0 - 0.5
SE000924	9.55E+00		0 - 0.5
SE000925	5.25E+01		0 - 0.5
SE000318	1.11E+01		0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 3-52

1 **3.3.1.2.6 Exposure Area 8**

2 Exposure Area 8 consists of tax parcels J4-3-12 and J4-3-13, both of which are owned by the
3 Commonwealth of Massachusetts and are located along the west bank of the river. Exposure to
4 riverbank soil and sediment along this stretch of river was assumed to be low contact.

5 **Riverbank Soil**

6 Three riverbank soil samples (0 to 1 ft) were taken from this exposure area. All of these samples
7 had detected PCB concentrations. The maximum detected PCB concentration was 30.4 mg/kg.
8 This concentration exceeds the low-contact riverbank soil SRBC of 7 mg/kg. The 95% UCL was
9 not calculated because of the sample size; therefore, the maximum detected concentration is the
10 EPC. A comparison of the EPC against the SRBC indicates that this exposure area will require
11 further evaluation. Table 3-131 presents the results of the riverbank soil samples collected from
12 Exposure Area 8. Figure 3-53 presents the locations of the riverbank soil samples collected from
13 Exposure Area 8.

14 **Sediment**

15 Twenty-one sediment samples (0 to 0.5 ft) were taken from this exposure area. All of these
16 samples had detected PCB concentrations. The maximum detected PCB concentration was 180
17 mg/kg. This concentration exceeds the low-contact sediment SRBC of 5 mg/kg. The 95% UCL
18 for this area was 49.4 mg/kg. The 95% UCL is the EPC because it is less than the maximum
19 detected concentration. A comparison of the EPC against the SRBC indicates that this exposure
20 area will require further evaluation. Table 3-131 presents the results of the sediment samples
21 collected from Exposure Area 8. Figure 3-53 presents the locations of the sediment samples
22 collected from Exposure Area 8.

Table 3-131

**PCB Results for Exposure Area 8
(Results in mg/kg; Depth in feet)**

Low-Contact Riverbank Soil

Maximum Detected Concentration: 3.04E+01
 Data Distribution: NA
 95% UCL: NA
 EPC: 3.04E+01
 SRBC: 7.00E+00

Low-Contact Sediment

Maximum Detected Concentration: 1.80E+02
 Data Distribution: Default (lognormal)
 95% UCL: 4.94E+01
 EPC: 4.94E+01
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BS000045	1.29E+01		0 - 0.5
BS000045	3.04E+01		0.5 - 1
RB043702	1.32E+01	J	0 - 0.5
<i>Sediment</i>			
SD043701	1.70E+01	J	0 - 0.5
SD048971	1.82E+01	J	0 - 0.5
SD053801	2.97E-01	J	0 - 0.5
SE000077	1.39E+01	J	0 - 0.5
SE000078	1.80E+02		0 - 0.5
SE000080	2.81E+01	J	0 - 0.5
SE000188	2.30E+01		0 - 0.5
SE000293	2.56E+00		0 - 0.5
SE000294	5.31E+00		0 - 0.5
SE000295	1.12E+01		0 - 0.5
SE000381	2.08E+01		0 - 0.5
SE000382	2.30E+01	J	0 - 0.5
SE000396	2.01E+01		0 - 0.5
SE000397	1.35E+01		0 - 0.5
SE000402	1.10E+01		0 - 0.5
SE000930	7.18E+00		0 - 0.5
SE000931	7.54E+00	J	0 - 0.5
SE000934	1.42E+01		0 - 0.5
SE000935	1.15E+01		0 - 0.5
SE000936	3.58E+00		0 - 0.5
SE000937	3.83E+00		0 - 0.5

NA = not applicable, insufficient number of samples

J = estimated detected value

See Figure 3-53

1 **3.3.1.2.7 Exposure Area 9**

2 Exposure Area 9 extends from tax parcel J3-1-13 downstream to and including tax parcel J3-1-7
3 along the west bank of the river. This area includes residential properties and government-owned
4 lands. Exposure to riverbank soil and sediment along this stretch of river was assumed to be low
5 contact.

6 **Riverbank Soil**

7 Eight riverbank soil samples (0 to 1 ft) were taken from this exposure area. All of these samples
8 had detected PCB concentrations. The maximum detected PCB concentration was 21.9 mg/kg.
9 This concentration exceeds the low-contact riverbank soil SRBC of 7 mg/kg. The 95% UCL for
10 this area was 21.5 mg/kg. The 95% UCL is the EPC because it is less than the maximum
11 detected concentration. A comparison of the EPC against the SRBC indicates that this exposure
12 area will require further evaluation. Table 3-132 presents the results of the riverbank soil samples
13 collected from Exposure Area 9. Figure 3-54 presents the locations of the riverbank soil samples
14 collected from Exposure Area 9.

15 **Sediment**

16 Seven sediment samples (0 to 0.5 ft) and one duplicate sediment sample were taken from this
17 exposure area. All of these samples had detected PCB concentrations. The maximum detected
18 PCB concentration was 18.2 mg/kg. This concentration exceeds the low-contact sediment SRBC
19 of 5 mg/kg. The 95% UCL for this area was 13.3 mg/kg. The 95% UCL is the EPC because it is
20 less than the maximum detected concentration. A comparison of the EPC against the SRBC
21 indicates that this exposure area will require further evaluation. Table 3-132 presents the results
22 of the sediment samples collected from Exposure Area 9. Figure 3-54 presents the locations of
23 the sediment samples collected from Exposure Area 9.

Table 3-132

**PCB Results for Exposure Area 9
(Results in mg/kg; Depth in feet)**

Low-Contact Riverbank Soil

Maximum Detected Concentration: 2.19E+01
 Data Distribution: Lognormal
 95% UCL: 2.15E+01
 EPC: 2.15E+01
 SRBC: 7.00E+00

Low-Contact Sediment

Maximum Detected Concentration: 1.82E+01
 Data Distribution: Normal
 95% UCL: 1.33E+01
 EPC: 1.33E+01
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BS000088	6.83E+00	J	0 - 0.5
BS000088	3.23E+00		0.5 - 1
BS000089	1.06E+01		0 - 0.5
BS000089	2.19E+01		0.5 - 1
BS000090	1.63E+01	J	0.5 - 1
BS000090	1.52E+01		0 - 0.5
BS000091	8.30E+00		0.5 - 1
BS000091	6.07E+00		0 - 0.5
<i>Sediment</i>			
SD053901	8.22E+00	J	0 - 0.5
SE000081	1.82E+01	J	0 - 0.5
SE000739	1.65E+00		0 - 0.5
SE000740	1.46E+01	J	0 - 0.5
SE000741	1.03E+01		0 - 0.5
SE000741*	7.91E+00		0 - 0.5
SE000742	2.00E+00		0 - 0.5
SE000866	8.03E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 3-54

1 **3.3.1.2.8 Exposure Area 10**

2 Exposure Area 10 consists of tax parcels J3-1-6 and J2-2-2 that are located along the west bank
3 of the river. This area includes residential properties and government-owned lands. Exposure to
4 riverbank soil and sediment along this stretch of river was assumed to be low contact.

5 **Riverbank Soil**

6 Five riverbank soil samples (0 to 1 ft) were taken from this exposure area. All of these samples
7 had detected PCB concentrations. The maximum detected PCB concentration was 46.0 mg/kg.
8 This concentration exceeds the low-contact riverbank soil SRBC of 7 mg/kg. The 95% UCL for
9 this area was 58.8 mg/kg. The maximum detected concentration is the EPC because it is less than
10 the 95% UCL. A comparison of the EPC against the SRBC indicates that this exposure area will
11 require further evaluation. Table 3-133 presents the results of the riverbank soil samples
12 collected from Exposure Area 10. Figure 3-55 presents the locations of the riverbank soil
13 samples collected from Exposure Area 10.

14 **Sediment**

15 Twenty-seven sediment samples (0 to 0.5 ft) and two duplicate sediment samples were taken
16 from this exposure area. All of these samples had detected PCB concentrations. The maximum
17 detected PCB concentration was 75.2 mg/kg. This concentration exceeds the low-contact
18 sediment SRBC of 5 mg/kg. The 95% UCL for this area was 21.1 mg/kg. The 95% UCL is the
19 EPC because it is less than the maximum detected concentration. A comparison of the EPC
20 against the SRBC indicates that this exposure area will require further evaluation. Table 3-133
21 presents the results of the sediment samples collected from Exposure Area 10. Figure 3-55
22 presents the locations of the sediment samples collected from Exposure Area 10.

Table 3-133

**PCB Results for Exposure Area 10
(Results in mg/kg; Depth in feet)**

Low-Contact Riverbank Soil

Maximum Detected Concentration: 4.60E+01
 Data Distribution: Default (lognormal)
 95% UCL: 5.88E+01
 EPC: 4.60E+01
 SRBC: 7.00E+00

Low-Contact Sediment

Maximum Detected Concentration: 7.52E+01
 Data Distribution: Lognormal
 95% UCL: 2.11E+01
 EPC: 2.11E+01
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BW0067A	1.20E+01		0.0 - 0.08
BW0068A	2.40E+01		0.0 - 0.08
BW0069A	4.60E+01		0.0 - 0.08
RB064102	1.13E+01	J	0 - 0.5
RB064202	1.23E+01	J	0 - 0.5
<i>Sediment</i>			
SD054001	1.48E+01	J	0 - 0.5
SD064101	3.49E+01	J	0 - 0.5
SD064201	7.21E+00	J	0 - 0.5
SD068981	5.84E+00	J	0 - 0.5
SE000287*	3.07E+00		0 - 0.5
SE000287	3.61E+00		0 - 0.5
SE000288	6.67E+00	J	0 - 0.5
SE000289	4.15E+00		0 - 0.5
SE000290	6.23E+00		0 - 0.5
SE000291	7.52E+01		0 - 0.5
SE000292	9.02E+00		0 - 0.5
SE000393	2.53E+00		0 - 0.5
SE000407	2.63E+01		0 - 0.5
SE000408	4.15E+01	J	0 - 0.5
SE000410	1.64E+01		0 - 0.5
SE000411	1.70E+01		0 - 0.5
SE000412	1.39E+01		0 - 0.5
SE000418	2.62E+01		0 - 0.5
SE000418*	1.84E+01		0 - 0.5
SE000419	1.58E+01		0 - 0.5
SE000939	6.80E+00		0 - 0.5
SE000940	8.71E+00		0 - 0.5
SE000942	1.43E+01		0 - 0.5
SE000945	9.05E+00		0 - 0.5
SE000948	1.38E+01		0 - 0.5
FL000189	2.89E+00	J	0 - 0.5
FL000190	3.42E+00	J	0 - 0.5
FL000192	9.72E+00	J	0 - 0.5
FL000193	9.86E+00	J	0 - 0.5

* = duplicate sample
 J = estimated detected value
 See Figure 3-55

1 **3.3.1.2.9 Exposure Area 11**

2 Exposure Area 11 extends from tax parcel J3-2-2 downstream to and including tax parcel J3-2-6
3 along the east bank of the river. Because the river flows west to east through this exposure area,
4 it could also be called the north bank. This area includes residential property. Exposure to
5 riverbank soil and sediment along this stretch of river was assumed to be low contact.

6 **Riverbank Soil**

7 Twelve riverbank soil samples (0 to 1 ft) were taken from this exposure area. Of these samples,
8 10 had detected PCB concentrations. The maximum detected PCB concentration was 37.0
9 mg/kg. This concentration exceeds the low-contact riverbank soil SRBC of 7 mg/kg. The 95%
10 UCL for this area was 21.5 mg/kg. The 95% UCL is the EPC because it is less than the
11 maximum detected concentration. A comparison of the EPC against the SRBC indicates that this
12 exposure area will require further evaluation. Table 3-134 presents the results of the riverbank
13 soil samples collected from Exposure Area 11. Figure 3-56 presents the locations of the
14 riverbank soil samples collected from Exposure Area 11.

15 **Sediment**

16 Seven sediment samples (0 to 0.5 ft) were taken from this exposure area. All of these samples
17 had detected PCB concentrations. The maximum detected PCB concentration was 11.9 mg/kg.
18 This concentration exceeds the low-contact sediment SRBC of 5 mg/kg. The 95% UCL for this
19 area was 7.85 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
20 concentration. A comparison of the EPC against the SRBC indicates that this exposure area will
21 require further evaluation. Table 3-134 presents the results of the sediment samples collected
22 from Exposure Area 11. Figure 3-56 presents the locations of the sediment samples collected
23 from Exposure Area 11.

Table 3-134

**PCB Results for Exposure Area 11
(Results in mg/kg; Depth in feet)**

Low-Contact Riverbank Soil

Maximum Detected Concentration: 3.70E+01
 Data Distribution: Normal
 95% UCL: 2.15E+01
 EPC: 2.15E+01
 SRBC: 7.00E+00

Low-Contact Sediment

Maximum Detected Concentration: 1.19E+01
 Data Distribution: Normal
 95% UCL: 7.85E+00
 EPC: 7.85E+00
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BS000057	1.62E+01		0 - 0.5
BS000057	5.07E-01	U	0.5 - 1
BS000058	5.96E-01	U	0.5 - 1
BS000058	2.06E+01		0 - 0.5
BS000059	1.77E+01		0.5 - 1
BS000059	1.22E+01	J	0 - 0.5
BS000060	1.77E+01		0 - 0.5
BS000060	1.87E+01		0.5 - 1
BS000061	3.70E+01		0.5 - 1
BS000061	3.30E+01		0 - 0.5
BS000062	4.60E-01	J	0 - 0.5
BS000062	1.06E+01		0.5 - 1
<i>Sediment</i>			
SE000651	2.12E+00		0 - 0.5
SE000652	5.62E+00		0 - 0.5
SE000653	4.98E-01	J	0 - 0.5
SE000654	6.51E+00		0 - 0.5
SE000655	1.19E+01		0 - 0.5
SE000656	6.20E+00		0 - 0.5
SE000863	2.73E+00		0 - 0.5

J = estimated detected value
 U = not detected at reported value
 See Figure 3-56

1 **3.3.1.2.10 Exposure Area 12**

2 Exposure Area 12 extends from tax parcel K3-1-19 downstream to and including tax parcel K2-
3 1-1 along the east bank of the river. This area includes residential properties and government-
4 owned lands. Exposure to riverbank soil and sediment along this stretch of river was assumed to
5 be low contact.

6 **Riverbank Soil**

7 Eighteen riverbank soil samples (0 to 1 ft) were taken from this exposure area. Of these samples,
8 15 had detected PCB concentrations. The maximum detected PCB concentration was 24.1
9 mg/kg. This concentration exceeds the low-contact riverbank soil SRBC of 7 mg/kg. The 95%
10 UCL for this area was 15.5 mg/kg. The 95% UCL is the EPC because it is less than the
11 maximum detected concentration. A comparison of the EPC against the SRBC indicates that this
12 exposure area will require further evaluation. Table 3-135 presents the results of the riverbank
13 soil samples collected from Exposure Area 12. Figure 3-57 presents the locations of the
14 riverbank soil samples collected from Exposure Area 12.

15 **Sediment**

16 Twenty-two sediment samples (0 to 0.5 ft) were taken from this exposure area. Of these samples,
17 18 had detected PCB concentrations. The maximum detected PCB concentration was 160 mg/kg.
18 This concentration exceeds the low-contact sediment SRBC of 5 mg/kg. The 95% UCL for this
19 area was 209 mg/kg. The maximum detected concentration is the EPC because it is less than the
20 95% UCL. A comparison of the EPC against the SRBC indicates that this exposure area will
21 require further evaluation. Table 3-135 presents the results of the sediment samples collected
22 from Exposure Area 12. Figure 3-57 presents the locations of the sediment samples collected
23 from Exposure Area 12.

Table 3-135

**PCB Results for Exposure Area 12
(Results in mg/kg; Depth in feet)**

Low-Contact Riverbank Soil

Maximum Detected Concentration: 2.41E+01
 Data Distribution: Lognormal
 95% UCL: 1.55E+01
 EPC: 1.55E+01
 SRBC: 7.00E+00

Low-Contact Sediment

Maximum Detected Concentration: 1.60E+02
 Data Distribution: Default (lognormal)
 95% UCL: 2.09E+02
 EPC: 1.60E+02
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BS000063	5.10E-01	U	0.5 - 1
BS000063	2.33E+00		0 - 0.5
BS000064	5.19E-01	U	0.5 - 1
BS000064	2.14E+00		0 - 0.5
BS000065	1.03E+01		0 - 0.5
BS000065	2.41E+01		0.5 - 1
BS000066	4.18E+00		0.5 - 1
BS000066	1.11E+01		0 - 0.5
BS000067	6.32E-01		0 - 0.5
BS000067	3.71E+00		0.5 - 1
BS000068	5.03E-01	U	0.5 - 1
BS000068	5.54E-01		0 - 0.5
BS000101	7.58E-01		0.5 - 1
BS000101	1.65E+00		0 - 0.5
BS000102	4.16E-01	J	0.5 - 1
BS000102	2.33E+00		0 - 0.5
RB064105	6.80E-01		0 - 0.5
RB064205	7.33E+00	J	0 - 0.5
<i>Sediment</i>			
SD064202	4.48E+00	J	0 - 0.5
SD064203	1.30E+01	J	0 - 0.5
SD064302	7.73E+00	J	0 - 0.5
SD064303	6.46E+01	J	0 - 0.5
SD068982	7.62E+00	J	0 - 0.5
SD068983	5.02E-01	UJ	0 - 0.5
SE000187	1.20E+02	J	0 - 0.5
SE000708	5.02E-01	U	0 - 0.5
SE000709	1.81E+01		0 - 0.5
SE000710	4.11E+00		0 - 0.5
SE000711	4.83E-01	J	0 - 0.5
SE000712	5.32E-01	U	0 - 0.5
SE000713	9.81E-01		0 - 0.5
SE000864	1.09E+01		0 - 0.5
SE000865	7.93E+00		0 - 0.5
SE000946	5.02E-01	U	0 - 0.5

Table 3-135

PCB Results for Exposure Area 12
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
SE000947	8.81E+00		0 - 0.5
SE000949	1.84E+01		0 - 0.5
SE000951	1.90E+01		0 - 0.5
SE000952	8.04E+00		0 - 0.5
SE001049	1.60E+02	J	0 - 0.5
SE001150	6.74E+00	J	0 - 0.5

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-57

1 **3.3.1.2.11 Exposure Area 13**

2 Exposure Area 13 consists of tax parcel J2-2-1, the Pittsfield Wastewater Treatment Plant, which
3 is located on the west bank of the river. Exposure to riverbank soil along this stretch of river was
4 assumed to be commercial/industrial and is evaluated in Subsection 3.3.2. Exposure to sediment
5 was assumed to be low-contact recreational. This evaluation focuses on the sediment exposure
6 only.

7 **Sediment**

8 Seventeen sediment samples (0 to 0.5 ft) were taken from this exposure area. All of these
9 samples had detected PCB concentrations. The maximum detected PCB concentration was 35.6
10 mg/kg. This concentration exceeds the low-contact sediment SRBC of 5 mg/kg. The 95% UCL
11 for this area was 18.7 mg/kg. The 95% UCL is the EPC because it is less than the maximum
12 detected concentration. A comparison of the EPC against the SRBC indicates that this exposure
13 area will require further evaluation. Table 3-136 presents the results of the sediment samples
14 collected from Exposure Area 13. Figure 3-58 presents the locations of the sediment samples
15 collected from Exposure Area 13.

Table 3-136

**PCB Results for Exposure Area 13
(Results in mg/kg; Depth in feet)**

Low-Contact Sediment

Maximum Detected Concentration: 3.56E+01

Data Distribution: Normal

95% UCL: 1.87E+01

EPC: 1.87E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Sediment</i>			
SE000839	2.780000	J	0 - 0.5
SE000840	16.800000	J	0 - 0.5
SE000420	9.570000		0 - 0.5
SE000421	20.000000		0 - 0.5
SE000430	13.300000		0 - 0.5
SE000433	4.750000		0 - 0.5
SE000434	21.100000		0 - 0.5
SE000435	15.300000		0 - 0.5
SE000436	9.590000		0 - 0.5
SE000950	0.457000	J	0 - 0.5
SE000953	16.200000		0 - 0.5
SE000956	27.800000		0 - 0.5
SD074501	0.463000	J	0 - 0.5
SD074601	9.490000	J	0 - 0.5
SD074602	29.200000	J	0 - 0.5
SD064301	13.100000	J	0 - 0.5
SD064401	35.600000	J	0 - 0.5

J = estimated detected value

See Figure 3-58

1 **3.3.1.2.12 Exposure Area 14**

2 Exposure Area 14 consists of tax parcel 34-1, the EPRI property, which is located on the east
3 bank of the river. Exposure to riverbank soil along this stretch of river was assumed to be
4 commercial/industrial and is evaluated in Subsection 3.3.2. Exposure to sediment was assumed
5 to be low-contact recreational. This evaluation focuses on the sediment exposure only.

6 **Sediment**

7 Twenty sediment samples (0 to 0.5 ft) and one duplicate sediment sample were taken from this
8 exposure area. Of these samples, 20 had detected PCB concentrations. The maximum detected
9 PCB concentration was 51.2 mg/kg. This concentration exceeds the low-contact sediment SRBC
10 of 5 mg/kg. The 95% UCL for this area was 28.3 mg/kg. The 95% UCL is the EPC because it is
11 less than the maximum detected concentration. A comparison of the EPC against the SRBC
12 indicates that this exposure area will require further evaluation. Table 3-137 presents the results
13 of the sediment samples collected from Exposure Area 14. Figure 3-59 presents the locations of
14 the sediment samples collected from Exposure Area 14.

Table 3-137

**PCB Results for Exposure Area 14
(Results in mg/kg; Depth in feet)**

Low-Contact Sediment

Maximum Detected Concentration: 5.12E+01

Data Distribution: Default (lognormal)

95% UCL: 2.83E+01

EPC: 2.83E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Sediment</i>			
SE000184	3.10E+01		0 - 0.5
SE000284	6.33E+00		0 - 0.5
SE000285	7.76E+00		0 - 0.5
SE000286	6.98E+00		0 - 0.5
SE000439	5.12E+01		0 - 0.5
SE000440	1.40E+01		0 - 0.5
SE000441	1.06E+01		0 - 0.5
SE000442*	5.65E+00		0 - 0.5
SE000442	4.90E+00		0 - 0.5
SE000443	4.58E+00		0 - 0.5
SE000444	2.24E+00		0 - 0.5
SE000964	7.37E+00	J	0 - 0.5
SE000967	1.76E+01	J	0 - 0.5
SE000968	8.93E+00		0 - 0.5
SE000971	7.45E+00		0 - 0.5
SD084803	4.42E+00	J	0 - 0.5
SD074702	1.98E+00	J	0 - 0.5
SD074703	5.05E-01	UJ	0 - 0.5
F0789909	1.08E+01	J	0 - 0.5
SD078992	8.33E-01	J	0 - 0.5
SD078993	1.18E+01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

UJ = estimated nondetected value

See Figure 3-59

1 **3.3.1.2.13 Exposure Area 15**

2 Exposure Area 15 extends from tax parcel 33-40 downstream to the New Lenox Road Bridge
3 along the west bank of the river. Exposure to riverbank soil and sediment along this stretch of
4 river was assumed to be low contact.

5 **Riverbank Soil**

6 Twelve riverbank soil samples (0 to 1 ft) and two duplicate riverbank soil samples were taken
7 from this exposure area. Of these samples, 12 had detected PCB concentrations. The maximum
8 detected PCB concentration was 42 mg/kg. This concentration exceeds the low-contact riverbank
9 soil SRBC of 7 mg/kg. The 95% UCL for this area was 333 mg/kg. The maximum detected
10 concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC against
11 the SRBC indicates that this exposure area will require further evaluation. Table 3-138 presents
12 the results of the riverbank soil samples collected from Exposure Area 15. Figure 3-60 presents
13 the locations of the riverbank soil samples collected from Exposure Area 15.

14 **Sediment**

15 Twenty-three sediment samples (0 to 0.5 ft) were taken from this exposure area. Of these
16 samples, 17 had detected PCB concentrations. The maximum detected PCB concentration was
17 82 mg/kg. This concentration exceeds the low-contact sediment SRBC of 5 mg/kg. The 95%
18 UCL for this area was 53.3 mg/kg. The 95% UCL is the EPC because it is less than the
19 maximum detected concentration. A comparison of the EPC against the SRBC indicates that this
20 exposure area will require further evaluation. Table 3-138 presents the results of the sediment
21 samples collected from Exposure Area 15. Figure 3-60 presents the locations of the sediment
22 samples collected from Exposure Area 15.

Table 3-138

**PCB Results for Exposure Area 15
(Results in mg/kg; Depth in feet)**

Low-Contact Riverbank Soil

Maximum Detected Concentration: 4.20E+01

Data Distribution: Default (lognormal)

95% UCL: 3.33E+02

EPC: 4.20E+01

SRBC: 7.00E+00

Low-Contact Sediment

Maximum Detected Concentration: 8.20E+01

Data Distribution: Default (lognormal)

95% UCL: 5.33E+01

EPC: 5.33E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BS000011	2.68E+00		0.5 - 1
BS000011	1.20E+01	J	0 - 0.5
BS000012	4.10E+01		0.5 - 1
BS000012	3.62E+00		0 - 0.5
BS000012*	3.17E+00		0 - 0.5
BS000013	6.93E-01	U	0 - 0.5
BS000013	6.33E-01	U	0.5 - 1
BS000014	5.20E+00		0.5 - 1
BS000014	1.87E+00		0 - 0.5
BS000020	2.70E+01		0 - 0.5
BS000020	4.20E+01		0.5 - 1
BS000020*	4.20E+01		0.5 - 1
BS000021	3.40E+01		0 - 0.5
BS000021	2.80E+01		0.5 - 1
<i>Sediment</i>			
F0789925	8.20E+01		0 - 0.5
F0789928	4.15E+01		0 - 0.5
SD074701	2.00E+00	J	0 - 0.5
SD078991	5.02E-01	UJ	0 - 0.5
SD084801	2.58E+00	J	0 - 0.5
SD084802	1.55E+00		0 - 0.5
SD084901	1.68E+00	J	0 - 0.5
SD085001	5.02E-01	UJ	0 - 0.5
SD085002	1.35E+00	J	0 - 0.5
SE000082	5.88E+00	J	0 - 0.5
SE000090	1.37E+01	J	0 - 0.5
SE000183	7.10E+00		0 - 0.5
SE000957	7.39E+00		0 - 0.5
SE000958	1.02E+01		0 - 0.5
SE000961	5.03E-01	UJ	0 - 0.5
SE000962	5.59E-01	UJ	0 - 0.5
SE000965	3.13E+00	J	0 - 0.5
SE000969	4.42E+00		0 - 0.5
SE000970	2.09E+01		0 - 0.5
SE000972	5.41E-01	U	0 - 0.5

Table 3-138

**PCB Results for Exposure Area 15
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
SE001048	5.06E-01	UJ	0 - 0.5
SE001146	7.79E-01		0 - 0.5
FL001348	2.11E+01		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-60

1 **3.3.1.2.14 Exposure Area 16**

2 Exposure Area 16 consists of tax parcel 29-9, which is owned by the Commonwealth of
3 Massachusetts and is located along the east bank of the river downstream to the New Lenox
4 Road Bridge. Exposure to riverbank soil and sediment along this stretch of river was assumed to
5 be low contact.

6 **Riverbank Soil**

7 Two riverbank soil samples (0 to 1 ft) were taken from this exposure area. Neither of these
8 samples had detected PCB concentrations. Even though there were no detected PCB
9 concentrations in the riverbank soil samples, Exposure Area 16 riverbank soil will require further
10 evaluation given the PCB concentrations in the surrounding floodplain soil and sediment. Table
11 3-139 presents the results of the riverbank soil samples collected from Exposure Area 16. Figure
12 3-61 presents the locations of the riverbank soil samples collected from Exposure Area 16.

13 **Sediment**

14 Thirty-three sediment samples (0 to 0.5 ft) and three duplicate sediment samples were taken from
15 this exposure area. Of these samples, 31 had detected PCB concentrations. The maximum
16 detected PCB concentration was 52 mg/kg. This concentration exceeds the low-contact sediment
17 SRBC of 5 mg/kg. The 95% UCL for this area was 53.4 mg/kg. The maximum detected
18 concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC against
19 the SRBC indicates that this exposure area will require further evaluation. Table 3-139 presents
20 the results of the sediment samples collected from Exposure Area 16. Figure 3-61 presents the
21 locations of the sediment samples collected from Exposure Area 16.

Table 3-139

**PCB Results for Exposure Area 16
(Results in mg/kg; Depth in feet)**

Low-Contact Riverbank Soil

Maximum Detected Concentration: ND
SRBC: 7.00E+00

Low-Contact Sediment

Maximum Detected Concentration: 5.20E+01
Data Distribution: Default (lognormal)
95% UCL: 5.34E+01
EPC: 5.20E+01
SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BS000019	7.39E-01	U	0.5 - 1
BS000019	7.74E-01	U	0 - 0.5
<i>Sediment</i>			
FL000368	2.40E+01	J	0 - 0.5
SE000975	6.57E+00		0 - 0.5
SE001262	5.20E+01		0 - 0.17
SD084902	7.34E-01	J	0 - 0.5
SD084903	2.31E+00	J	0 - 0.5
SD085003	1.35E+00	UJ	0 - 0.5
SE000083	5.74E+00	J	0 - 0.5
SE000084	6.46E-01	J	0 - 0.5
SE000085	5.11E-01	UJ	0 - 0.5
SE000086	5.03E-01	UJ	0 - 0.5
SE000087	5.57E+00	J	0 - 0.5
SE000088	1.00E+01	J	0 - 0.5
SE000089	5.08E+00	J	0 - 0.5
SE000091	5.01E-01	UJ	0 - 0.5
SE000212	7.05E+00		0 - 0.5
SE000213*	9.55E-01		0 - 0.5
SE000213	1.43E+00		0 - 0.5
SE000214	2.62E-02		0 - 0.5
SE000215	1.28E+00		0 - 0.5
SE000216	1.82E+01		0 - 0.5
SE000392	3.97E+00		0 - 0.5
SE000445	1.41E+01		0 - 0.5
SE000446	1.17E+01		0 - 0.5
SE000820	3.99E+00	J	0 - 0.5
SE000820*	2.82E+00	J	0 - 0.5
SE000914	7.90E+00		0 - 0.5

Table 3-139

PCB Results for Exposure Area 16
 (Results in mg/kg; Depth in feet)
 (Continued)

Sample Identification	Result	Qualifier	Depth Interval
SE000914*	9.01E+00		0 - 0.5
SE000959	1.11E+01		0 - 0.5
SE000960	1.06E+01	J	0 - 0.5
SE000963	5.42E+00	J	0 - 0.5
SE000966	1.09E+01	J	0 - 0.5
SE001141	9.30E-02		0 - 0.5
SE001142	5.00E-01	U	0 - 0.5
SE001145	5.66E+00		0 - 0.5
FL000323	4.70E+01	J	0 - 0.5
SE000981	2.51E+01		0 - 0.5

* = duplicate sample

J = estimated detected value

ND = not detected

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-61

1 **3.3.1.2.15 Exposure Area 17**

2 Exposure Area 17 consists of tax parcel 29-2, which is owned by the Commonwealth of
3 Massachusetts and is located on the west bank of the river downstream of New Lenox Road.
4 This area includes the John Decker Canoe Launch. Exposure to riverbank soil and sediment
5 along this stretch of river was assumed to be high-contact recreational.

6 **Riverbank Soil**

7 Twenty-four riverbank soil samples (0 to 1 ft) and one duplicate riverbank soil sample were
8 taken from this exposure area. All of these samples had detected PCB concentrations. The
9 maximum detected PCB concentration was 171 mg/kg. This concentration exceeds the high-
10 contact recreational riverbank soil SRBC of 5 mg/kg. The 95% UCL for this area was 97.9
11 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected concentration. A
12 comparison of the EPC against the SRBC indicates that this exposure area will require further
13 evaluation. Table 3-140 presents the results of the riverbank soil samples collected from
14 Exposure Area 17. Figure 3-62 presents the locations of the riverbank soil samples collected
15 from Exposure Area 17.

16 **Sediment**

17 Ninety-three sediment samples (0 to 0.5 ft) and six duplicate sediment samples were taken from
18 this exposure area. Of these samples, 79 had detected PCB concentrations. The maximum
19 detected PCB concentration was 94.2 mg/kg. This concentration exceeds the high-contact
20 sediment SRBC of 3 mg/kg. The 95% UCL for this area was 21.7 mg/kg. The 95% UCL is the
21 EPC because it is less than the maximum detected concentration. A comparison of the EPC
22 against the SRBC indicates that this exposure area will require further evaluation. Table 3-140
23 presents the results of the sediment samples collected from Exposure Area 17. Figure 3-62
24 presents the locations of the sediment samples collected from Exposure Area 17.

Table 3-140

**PCB Results for Exposure Area 17
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Riverbank Soil

Maximum Detected Concentration: 1.71E+02
 Data Distribution: Lognormal
 95% UCL: 9.79E+01
 EPC: 9.79E+01
 SRBC: 5.00E+00

High-Contact Recreational Sediment

Maximum Detected Concentration: 9.42E+01
 Data Distribution: Default (lognormal)
 95% UCL: 2.17E+01
 EPC: 2.17E+01
 SRBC: 3.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BW0070A	1.80E+01		0.0 - 0.08
BW0071A	9.60E+00		0.0 - 0.08
BW0072A	1.00E+01		0.0 - 0.08
BS000040	3.28E+01		0.5 - 1
BS000040	1.23E+01		0 - 0.5
BS000041	1.04E+00		0.5 - 1
BS000041	8.55E+00		0 - 0.5
BS000042	1.65E+01		0 - 0.5
BS000042	2.13E+01		0.5 - 1
BS000078	1.01E+00		0.5 - 1
BS000078	1.31E+00		0 - 0.5
BS000079	1.71E+02		0.5 - 1
BS000079	1.63E+02		0 - 0.5
BS000080*	1.01E+01		0.5 - 1
BS000080	1.14E+01		0.5 - 1
BS000080	1.13E+01		0 - 0.5
BS000081	2.28E+00		0 - 0.5
BS000081	1.15E+00		0.5 - 1
BS000043	1.61E+01		0 - 0.5
BS000043	4.53E+01		0.5 - 1
BS000044	1.31E+01		0 - 0.5
BS000044	4.26E+01	J	0.5 - 1
BS000077	6.21E+01		0.5 - 1
BS000077	3.64E+01		0 - 0.5
RB105603	3.84E+00	J	0 - 0.5
<i>Sediment</i>			
SE000821	5.66E-01	J	0 - 0.5
SE000823	1.65E+00	J	0 - 0.5
SE000827	4.14E+00		0 - 0.5
SE000861	2.01E+00		0 - 0.5
SE000858	3.01E+00		0 - 0.5
SE000860	3.73E+01	J	0 - 0.5
FL000396	1.74E+00	UJ	0 - 0.5
FL000434	2.40E+00	UJ	0 - 0.5
FL000435	2.49E+00	UJ	0 - 0.5

Table 3-140

PCB Results for Exposure Area 17
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
FL000436	9.50E-02		0 - 0.5
FL000437	6.59E+00	J	0 - 0.5
FL000438	8.89E+00	J	0 - 0.5
FL000439	4.47E+01	J	0 - 0.5
FL000440	6.45E+00	J	0 - 0.5
FL000441	5.15E+01	J	0 - 0.5
FL000442	1.86E+01	J	0 - 0.5
FL000443	3.11E+00	J	0 - 0.5
FL000444	4.06E+00	J	0 - 0.5
FL000675	9.01E-01	U	0 - 0.5
FL000678	9.09E+01		0 - 0.5
FL000678*	8.74E+01		0 - 0.5
FL000666	4.85E+01		0 - 0.5
FL001117	2.13E+01		0 - 0.5
SE000391	5.91E+00		0 - 0.5
SE000413	9.21E-01	J	0 - 0.5
SE000414	4.10E-01	J	0 - 0.5
SE000415	3.26E+00	J	0 - 0.5
SE000416	9.54E+00	J	0 - 0.5
SE000417	7.67E+00		0 - 0.5
SE000447	8.09E+00		0 - 0.5
SE000448	6.46E+00		0 - 0.5
SE000999	7.42E+00		0 - 0.5
SE001027	5.90E+00	J	0 - 0.5
SE001051	1.23E+00	J	0 - 0.5
SE001055	6.20E+01		0 - 0.5
SE001057*	1.33E+00	J	0 - 0.5
SE001057	3.43E+00	J	0 - 0.5
SE001058	1.32E+00	J	0 - 0.5
SE000730	4.78E+00		0 - 0.5
SE000731	5.00E-01	U	0 - 0.5
SE000828	3.55E+00		0 - 0.5
SE000867	6.57E+00		0 - 0.5
SE000976	2.41E+00		0 - 0.5
SE000977	5.56E+00		0 - 0.5
SE000978	4.22E+00		0 - 0.5
SE000979	7.44E+00		0 - 0.5
SE001067	7.11E+00		0 - 0.5
SE001138	6.20E-01		0 - 0.5
SE001139*	3.06E-01	J	0 - 0.5
SE001139	5.00E-01	U	0 - 0.5
SE001140	2.62E+00		0 - 0.5
FL000247	4.98E+01	J	0 - 0.5
FL000248	9.72E+00	J	0 - 0.5
FL000249	6.96E+01	J	0 - 0.5
FL000250	7.48E+00	J	0 - 0.5
FL000251	6.67E+00	J	0 - 0.5
FL000870	5.00E-01	U	0 - 0.5
FL000872	8.27E-01		0 - 0.5

Table 3-140

PCB Results for Exposure Area 17
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
FL000873	5.16E-01		0 - 0.5
FL000874	2.40E+00		0 - 0.5
FL000875	6.19E+00		0 - 0.5
FL000876	9.42E+01		0 - 0.5
SE000732	1.42E+01		0 - 0.5
SE000733	5.42E+00		0 - 0.5
SE000734	1.02E+00		0 - 0.5
SE001054	1.40E+01	J	0 - 0.5
SE001060	1.41E+01		0 - 0.5
SE001100	6.48E-01		0 - 0.5
SE001101	2.25E+00		0 - 0.5
SE001135	5.01E-01	U	0 - 0.5
SE001137	5.00E-01	U	0 - 0.5
SE001061	8.08E+00		0 - 0.5
SE001062	1.68E+01		0 - 0.5
SE001063	2.41E+00		0 - 0.5
SD085101	5.01E-01	UJ	0 - 0.5
SD085102	4.39E+00	J	0 - 0.5
SD095401	3.37E+00		0 - 0.5
SD105501	1.34E+01		0 - 0.5
SD105501	1.90E+01	J	0 - 0.5
SD105701	8.10E-01		0 - 0.5
SD105701*	1.31E+00		0 - 0.5
SD105702	5.04E-01	U	0 - 0.5
SD095201	5.39E-01	UJ	0 - 0.5
SD095202*	2.90E+00		0 - 0.5
SD095202	2.53E+00		0 - 0.5
SD095301	1.23E+00	UJ	0 - 0.5
SD095302	5.20E-01	UJ	0 - 0.5
SD105601	1.09E+01		0 - 0.5
SD105602*	5.03E-01	U	0 - 0.5
SD105602	5.02E-01	U	0 - 0.5
SD099001	5.01E-01	UJ	0 - 0.5
F0890206	4.47E+01	J	0 - 0.5
SL0629	1.48E+00	U	0 - 0.5
SL0630	1.62E+00	U	0 - 0.5
SD109031	6.44E+00	J	0 - 0.5
SD109051	2.75E+00		0 - 0.5
SD109052	3.64E-01	J	0 - 0.5
F1090419	5.00E-01	U	0 - 0.5
SD109041	2.99E+01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-62

1 **3.3.1.2.16 Exposure Area 18**

2 Exposure Area 18 consists of tax parcel 29-1, which is located on the east bank of the river
3 downstream of New Lenox Road. Exposure to riverbank soil was not evaluated for Exposure
4 Area 18 because of the absence of a clearly defined riverbank. Riverbank soil samples were
5 collected only from areas where a clearly defined riverbank was present. Exposure to sediment
6 along this stretch of river was assumed to be low contact.

7 **Sediment**

8 Sixty-eight sediment samples (0 to 0.5 ft) were taken from this exposure area. Of these samples,
9 59 had detected PCB concentrations. The maximum detected PCB concentration was 165 mg/kg.
10 This concentration exceeds the low-contact sediment SRBC of 5 mg/kg. The 95% UCL for this
11 area was 19.2 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
12 concentration. A comparison of the EPC against the SRBC indicates that this exposure area will
13 require further evaluation. Table 3-141 presents the results of the sediment samples collected
14 from Exposure Area 18. Figure 3-63 presents the locations of the sediment samples collected
15 from Exposure Area 18.

Table 3-141

**PCB Results for Exposure Area 18
(Results in mg/kg; Depth in feet)**

Low-Contact Sediment

Maximum Detected Concentration: 1.65E+02

Data Distribution: Default (lognormal)

95% UCL: 1.92E+01

EPC: 1.92E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Sediment</i>			
SE000974	5.14E+00		0 - 0.5
SD085103	5.02E-01	UJ	0 - 0.5
SD095203	4.60E+00	J	0 - 0.5
SD095303	5.04E-01	UJ	0 - 0.5
SD099002	5.00E-01	U	0 - 0.5
SD099003	5.02E-01	U	0 - 0.5
SE000092	3.91E-01	J	0 - 0.5
SE000093	4.99E+00	J	0 - 0.5
SE000094	3.60E+00	J	0 - 0.5
SE000095	3.72E-01	J	0 - 0.5
SE000096	4.17E+00	J	0 - 0.5
SE000097	3.78E+00	J	0 - 0.5
SE000098	3.30E+00	J	0 - 0.5
SE000099	4.68E-01	J	0 - 0.5
SE000100	2.99E+00	J	0 - 0.5
SE000101	6.75E+00	J	0 - 0.5
SE000102	3.47E+01	J	0 - 0.5
SE000103	4.61E+00	J	0 - 0.5
SE000104	1.12E+00	J	0 - 0.5
SE000105	9.45E+00	J	0 - 0.5
SE000106	2.37E+00	J	0 - 0.5
SE000107	5.01E-01	UJ	0 - 0.5
SE000108	7.80E-02		0 - 0.5
SE000109	5.03E-01	UJ	0 - 0.5
SE000110	5.11E-01	UJ	0 - 0.5
SE000111	1.07E+01	J	0 - 0.5
SE000112	5.04E-01	J	0 - 0.5
SE000113	2.52E+00	J	0 - 0.5
SE000114	4.53E+00	J	0 - 0.5
SE000115	1.71E+00	J	0 - 0.5
SE000116	1.65E+02	J	0 - 0.5
SE000117	6.50E+00	J	0 - 0.5
SE000118	1.80E+00		0 - 0.5
SE000119	6.11E+00	J	0 - 0.5
SE000125	6.34E+00	J	0 - 0.5
SE000126	5.06E-01	UJ	0 - 0.5
SE000127	5.03E-01	UJ	0 - 0.5
SE000182	4.70E+00		0 - 0.5
SE000217	2.37E+01		0 - 0.5
SE000218	1.01E-01		0 - 0.5
SE000219	2.52E+01		0 - 0.5
SE000220	1.93E+00		0 - 0.5

Table 3-141

PCB Results for Exposure Area 18
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
SE000221	4.95E+00		0 - 0.5
SE000222	3.10E-02		0 - 0.5
SE000223	2.64E+00		0 - 0.5
SE000672	1.82E+00		0 - 0.5
SE000673	4.74E+00		0 - 0.5
SE000674	3.21E+00		0 - 0.5
SE000675	4.20E+00		0 - 0.5
SE000676	4.82E+00		0 - 0.5
SE000677	5.16E+00		0 - 0.5
SE000678	3.58E+00		0 - 0.5
SE000679	6.03E+00		0 - 0.5
SE000680	4.48E+00		0 - 0.5
SE000681	1.80E+00		0 - 0.5
SE000682	4.13E+00		0 - 0.5
SE000683	5.55E+00		0 - 0.5
SE000822	1.13E+00	J	0 - 0.5
SE000824	3.78E-01	J	0 - 0.5
SE000825	4.01E+00		0 - 0.5
SE000826	5.66E-01		0 - 0.5
SE000980	1.44E+01		0 - 0.5
SE000982	1.27E+01		0 - 0.5
SE001052	1.89E+00	J	0 - 0.5
SE000181	6.90E+00	J	0 - 0.5
SE001108	5.36E+01		0 - 0.5
SE001109	3.55E+01		0 - 0.5
SE001110	3.75E+01		0 - 0.5

J = estimated detected value

UJ = estimated nondetected value

See Figure 3-63

1 **3.3.1.2.17 Exposure Area 19**

2 Exposure Area 19 extends from tax parcel 24-7 downstream to and including tax parcel 24-1
3 along the east bank of the river. This area includes low-contact residential properties and
4 government-owned lands. Exposure to riverbank soil was not evaluated for Exposure Area 19
5 because of the absence of a clearly defined riverbank. Riverbank soil samples were collected
6 only from areas where a clearly defined riverbank was present. Exposure to sediment along this
7 stretch of river area was assumed to be low contact.

8 **Sediment**

9 Twenty-two sediment samples (0 to 0.5 ft) and two duplicate sediment samples were taken from
10 this exposure area. Of these samples, 20 had detected PCB concentrations. The maximum
11 detected PCB concentration was 85.9 mg/kg. This concentration exceeds the low-contact
12 sediment SRBC of 5 mg/kg. The 95% UCL for this area was 27.5 mg/kg. The 95% UCL is the
13 EPC because it is less than the maximum detected concentration. A comparison of the EPC
14 against the SRBC indicates that this exposure area will require further evaluation. Table 3-142
15 presents the results of the sediment samples collected from Exposure Area 19. Figure 3-64
16 presents the locations of the sediment samples collected from Exposure Area 19.

Table 3-142

**PCB Results for Exposure Area 19
(Results in mg/kg; Depth in feet)**

Low-Contact Sediment

Maximum Detected Concentration: 8.59E+01

Data Distribution: Lognormal

95% UCL: 2.75E+01

EPC: 2.75E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Sediment</i>			
SD095402*	2.80E+00		0 - 0.5
SD095402	2.56E+00		0 - 0.5
SD105502	5.03E-01	U	0 - 0.5
SD105503	1.19E+00	J	0 - 0.5
SD109032	1.31E+00		0 - 0.5
SD109033	3.69E+00	J	0 - 0.5
SD109042	9.17E-01		0 - 0.5
SD109043	7.33E-01	J	0 - 0.5
SE000180	2.10E-01		0 - 0.5
SE000281	7.53E+00		0 - 0.5
SE000282	5.16E-01	U	0 - 0.5
SE000283	5.08E-01	U	0 - 0.5
SE000390	2.71E+00		0 - 0.5
SE000755	8.62E+00		0 - 0.5
SE000756	3.63E+00		0 - 0.5
SE000757	2.99E+01		0 - 0.5
SE000859	1.13E+01		0 - 0.5
SE001026	1.70E+00	J	0 - 0.5
SE001053*	3.71E+00	J	0 - 0.5
SE001053	3.83E+00	J	0 - 0.5
SE001066	2.63E+00		0 - 0.5
F0890334	1.24E+00	U	0 - 0.5
FL000811	1.57E+01	J	0 - 0.5
SE000758	8.59E+01		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-64

1 **3.3.1.2.18 Exposure Area 20**

2 Exposure Area 20 consists of tax parcels 19-3 and 19-2, which are owned by the Commonwealth
3 of Massachusetts and are located on the east bank of the river. Exposure to riverbank soil and
4 sediment along this stretch of river was assumed to be low contact.

5 **Riverbank Soil**

6 Eight riverbank soil samples (0 to 1 ft) and one duplicate riverbank soil sample were taken from
7 this exposure area. All of these samples had detected PCB concentrations. The maximum
8 detected PCB concentration was 33.0 mg/kg. This concentration exceeds the low-contact
9 riverbank soil SRBC of 7 mg/kg. The 95% UCL for this area was 23.2 mg/kg. The 95% UCL is
10 the EPC because it is less than the maximum detected concentration. A comparison of the EPC
11 against the SRBC indicates that this exposure area will require further evaluation. Table 3-143
12 presents the results of the riverbank soil samples collected from Exposure Area 20. Figure 3-65
13 presents the locations of the riverbank soil samples collected from Exposure Area 20.

14 **Sediment**

15 One hundred five sediment samples (0 to 0.5 ft) and two duplicate sediment samples were taken
16 from this exposure area. Of these samples, 103 had detected PCB concentrations. The maximum
17 detected PCB concentration was 284 mg/kg. This concentration exceeds the low-contact
18 sediment SRBC of 5 mg/kg. The 95% UCL for this area was 46.7 mg/kg. The 95% UCL is the
19 EPC because it is less than the maximum detected concentration. A comparison of the EPC
20 against the SRBC indicates that this exposure area will require further evaluation. Table 3-143
21 presents the results of the sediment samples collected from Exposure Area 20. Figure 3-65
22 presents the locations of the sediment samples collected from Exposure Area 20.

Table 3-143

**PCB Results for Exposure Area 20
(Results in mg/kg; Depth in feet)**

Low-Contact Riverbank Soil

Maximum Detected Concentration: 3.30E+01
 Data Distribution: Lognormal
 95% UCL: 2.32E+01
 EPC: 2.32E+01
 SRBC: 7.00E+00

Low-Contact Sediment

Maximum Detected Concentration: 2.84E+02
 Data Distribution: Default (lognormal)
 95% UCL: 4.67E+01
 EPC: 4.67E+01
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BS000003	1.36E+01	J	0 - 0.5
BS000004	1.04E+01	J	0 - 0.5
BS000023	6.10E+00		0.5 - 1
BS000023	4.00E+00		0 - 0.5
BS000024	7.10E+00		0 - 0.5
BS000024	3.30E+01		0.5 - 1
RB105606*	4.50E+00	J	0 - 0.5
RB105606	8.40E+00	J	0 - 0.5
RB116106	1.38E+01	J	0 - 0.5
<i>Sediment</i>			
SE000486	5.23E+01		0 - 0.5
SE000910	5.47E+01		0 - 0.5
SE000915	4.41E-01	J	0 - 0.5
SE000817	2.12E+01		0 - 0.5
FL000237	1.03E+01	J	0 - 0.5
FL000238	1.32E+00	J	0 - 0.5
FL000239	3.25E+01	J	0 - 0.5
FL000240	1.17E+01	J	0 - 0.5
FL000241	4.21E+01	J	0 - 0.5
FL000261	3.97E+01	J	0 - 0.5
FL000262	3.29E+01	J	0 - 0.5
FL000263	5.14E+01	J	0 - 0.5
FL000264	4.06E+01	J	0 - 0.5
FL000315	4.06E+00	J	0 - 0.5
FL000336	2.80E+01	J	0 - 0.5
FL000337	2.15E+01	J	0 - 0.5
FL000338	1.65E+00	J	0 - 0.5
FL000339	4.83E+00	J	0 - 0.5
FL000340	2.15E+00	J	0 - 0.5
FL000341	7.80E+01	J	0 - 0.5
FL000342	1.88E+01	J	0 - 0.5
FL000316	1.19E+01	J	0 - 0.5
FL000343	3.01E+01	J	0 - 0.5
FL000525	7.80E+01		0 - 0.5

Table 3-143

PCB Results for Exposure Area 20
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
FL000525*	8.70E+01		0 - 0.5
FL000552	2.80E+01		0 - 0.5
FL000553	6.20E+01		0 - 0.5
FL000554	1.10E+01		0 - 0.5
FL001436	1.05E+00	U	0 - 0.5
SE000124	2.85E+00	J	0 - 0.5
FL001125	3.03E+01		0 - 0.5
SD12RP06	1.67E+01		0 - 0.5
SE000177	5.10E+01	J	0 - 0.5
SE000274	5.90E+00		0 - 0.5
SE000302	1.48E+00		0 - 0.5
SE000303	2.90E+00		0 - 0.5
SE000304	8.12E+00		0 - 0.5
SE000531	1.16E+00		0 - 0.164
SE000532	1.18E+00		0 - 0.164
SE000533	3.61E+00		0 - 0.164
SE000534	1.23E+01		0 - 0.164
SE000535	9.96E-01		0 - 0.164
SE000536	1.55E+00		0 - 0.164
SE000537	8.76E-01		0 - 0.164
SE000538	5.96E+00		0 - 0.164
SE000539	3.12E+00		0 - 0.164
SE000540	9.18E+00		0 - 0.164
SE000751	2.84E+02		0 - 0.5
SE000752	9.99E-01		0 - 0.5
SE000753	1.58E+01		0 - 0.5
SE000909	5.71E+01		0 - 0.5
SE000911	2.62E+01		0 - 0.5
SE001056	5.43E+00	J	0 - 0.5
SE001059	1.57E+00	J	0 - 0.5
SE001081	1.73E+01		0 - 0.5
SE001085	2.02E+01		0 - 0.5
SE001088	9.12E+00		0 - 0.5
SE001102	1.58E+01		0 - .2
SE001103	4.50E+01	J	0 - 0.5
SE001104	2.20E+00		0 - 0.5
SE001105	4.01E+01		0 - 0.5
SE001106	4.41E-01	J	0 - 0.5
SE001107	1.81E+00		0 - 0.5
SE001129	1.90E-01		0 - 0.5
SE001130	5.01E-01	U	0 - 0.5
SE001131	4.21E+00		0 - 0.5
SE001132	3.02E+00		0 - 0.5
SE001136	5.00E-01	U	0 - 0.5
SE000262	8.00E-01	J	0 - 0.5
SE000263	3.75E+01		0 - 0.5
SE000264	2.49E+01		0 - 0.5
SE000269	3.08E+01		0 - 0.5
SE000270	1.67E+01		0 - 0.5

Table 3-143

PCB Results for Exposure Area 20
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
SE000271	5.11E+01		0 - 0.5
SE000272	7.19E+00		0 - 0.5
SE000273	5.79E+00		0 - 0.5
SE000389	2.13E+02		0 - 0.5
SE000456	1.39E+02	J	0 - 0.2
SE000480	7.09E+00		0 - 0.5
SE000529	6.23E+00		0 - 0.164
SE000530	3.22E+00		0 - 0.164
SE000754	2.95E-01	J	0 - 0.5
SE000770	2.37E+00		0 - 0.5
SE001064	3.08E-01	J	0 - 0.5
SE001065	5.24E-01	U	0 - 0.5
SE001069	1.32E+01		0 - 0.5
SE001071	9.01E+00		0 - 0.5
SE001075	1.18E+01		0 - 0.5
SE001076	1.09E+01		0 - 0.5
SE001121	3.88E+01		0 - 0.5
SD105603	1.75E+00		0 - 0.5
SD105703	5.47E+00		0 - 0.5
SD115902	2.60E-01	J	0 - 0.5
SD115903	4.20E+00		0 - 0.5
SD116003	1.07E+01		0 - 0.5
SD105803	3.46E+00		0 - 0.5
SD116102	8.54E+00		0 - 0.5
SD116103	5.31E+00		0 - 0.5
SD126203	3.12E+01		0 - 0.5
SD109053	5.21E-01		0 - 0.5
SD119072	8.73E-01		0 - 0.5
SD119073	1.87E+00		0 - 0.5
SD119082*	5.66E-01		0 - 0.5
SD119082	4.70E+00	J	0 - 0.5
SD119083	8.37E+00		0 - 0.5
SD109063	5.66E+00		0 - 0.5
SD119093	5.05E+01		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 3-65

1 **3.3.1.2.19 Exposure Area 21**

2 Exposure Area 21 consists of tax parcels 19-5 and 19-1, which are owned by the Commonwealth
3 of Massachusetts and are located along the west bank of the river. Exposure to riverbank soil and
4 sediment along this stretch of river was assumed to be low contact.

5 **Riverbank Soil**

6 One riverbank soil sample (0 to 1 ft) was taken from this exposure area because most of the area
7 did not have a clearly defined riverbank. This sample had a detected PCB concentration of 14.5
8 mg/kg. This concentration exceeds the low-contact riverbank soil SRBC of 7 mg/kg; therefore,
9 this exposure area will require further evaluation. Table 3-144 presents the results of the
10 riverbank soil samples collected from Exposure Area 21. Figure 3-66 presents the locations of
11 the riverbank soil samples collected from Exposure Area 21.

12 **Sediment**

13 Eighty-five sediment samples (0 to 0.5 ft) and four duplicate sediment samples were taken from
14 this exposure area. Of these samples, 75 had detected PCB concentrations. The maximum
15 detected PCB concentration was 180 mg/kg. This concentration exceeds the low-contact
16 sediment SRBC of 5 mg/kg. The 95% UCL for this area was 33.3 mg/kg. The 95% UCL is the
17 EPC because it is less than the maximum detected concentration. A comparison of the EPC
18 against the SRBC indicates that this exposure area will require further evaluation. Table 3-144
19 presents the results of the sediment samples collected from Exposure Area 21. Figure 3-66
20 presents the locations of the sediment samples collected from this Exposure Area 21.

Table 3-144

**PCB Results for Exposure Area 21
(Results in mg/kg; Depth in feet)**

Low-Contact Riverbank Soil

Maximum Detected Concentration: 1.45E+01
 Data Distribution: NA
 95% UCL: NA
 EPC: 1.45E+01
 SRBC: 7.00E+00

Low-Contact Sediment

Maximum Detected Concentration: 1.80E+02
 Data Distribution: Default (lognormal)
 95% UCL: 3.33E+01
 EPC: 3.33E+01
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
RB116103	1.45E+01	J	0 - 0.5
<i>Sediment</i>			
SE000816	4.37E+00		0 - 0.5
SE000857	1.54E+01		0 - 0.5
FL000295	5.06E-01	UJ	0 - 0.5
FL000296	1.35E+00	UJ	0 - 0.5
FL000297	5.30E-01	J	0 - 0.5
FL000298	7.54E-01	J	0 - 0.5
FL000538	2.80E+01	J	0 - 0.5
FL000539	3.10E+01		0 - 0.5
FL000549	1.40E+02		0 - 0.5
FL000609	1.45E+01		0 - 0.5
FL000610	1.26E+01		0 - 0.5
FL000611	1.03E+01		0 - 0.5
FL000527	8.40E+00		0 - 0.5
FL000537	1.80E+01	J	0 - 0.5
FL000551	1.40E+02		0 - 0.5
FL000613	7.83E+00		0 - 0.5
FL000614	1.50E+01		0 - 0.5
FL001141	9.58E+00		0 - 0.5
FL001182	5.02E-01	UJ	0 - 0.5
FL001182*	5.05E-01	UJ	0 - 0.5
SE000136	1.96E+01	J	0 - 0.5
SE000137	4.18E+01	J	0 - 0.5
SE000138	5.60E-01	J	0 - 0.5
FL000892	7.83E-01	U	0 - 0.5
FL000893	9.66E-01	U	0 - 0.5
FL000894	1.05E+00		0 - 0.5
FL000895	6.52E-01	U	0 - 0.5
FL000896	6.37E-01	U	0 - 0.5
FL000899	2.09E+01		0 - 0.5
SD11RP08	1.39E+01		0 - 0.5
SE000120	5.00E-01	UJ	0 - 0.5
SE000121	8.34E+00	J	0 - 0.5
SE000122	7.28E+00	J	0 - 0.5

Table 3-144

PCB Results for Exposure Area 21
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
SE000123	4.68E+00	J	0 - 0.5
SE000150	6.98E-01	UJ	0 - 0.5
SE000175	5.10E+00		0 - 0.5
SE000176	1.70E+01		0 - 0.5
SE000178	1.80E+02		0 - 0.5
SE000179	2.30E+01		0 - 0.5
SE000275	4.21E+00		0 - 0.5
SE000276	5.96E-01	U	0 - 0.5
SE000277	5.14E-01	U	0 - 0.5
SE000278	2.21E+00	J	0 - 0.5
SE000279	6.77E+00		0 - 0.5
SE000280	2.66E+00		0 - 0.5
SE000907	6.29E+00		0 - 0.5
SE000908	4.23E+00		0 - 0.5
SE001025	2.18E+00	J	0 - 0.5
SE001077	1.32E+01		0 - 0.5
SE001078	6.22E+00		0 - 0.5
SE001080	1.54E+01		0 - 0.5
SE001083	2.53E-01	J	0 - 0.5
SE001084	5.91E+01		0 - 0.5
SE001086	5.96E+00		0 - 0.5
SE001087	1.53E+00		0 - 0.5
SE001128	7.72E+00		0 - 0.5
SE000349	9.70E-01	J	0 - 0.5
SE001068	3.47E-01	J	0 - 0.5
SE001073	4.76E+00		0 - 0.5
SE001089	4.72E+00		0 - 0.5
SE001090	7.25E+00		0 - 0.5
SE001091	1.50E+01		0 - 0.5
SE001099	2.03E+00		0 - 0.5
SE001120	1.50E+00		0 - 0.5
SE001122	5.18E-01	U	0 - 0.5
SE001250	4.60E-01		0 - 0.17
SE001250	2.21E-01		0 - 0.17
SE001253	3.00E+01		0 - 0.17
SE001253	1.03E+01		0 - 0.17
SD116001	6.43E+00	J	0 - 0.5
SD116001*	9.90E+00	J	0 - 0.5
SD116002	1.99E+00	J	0 - 0.5
SD105801	7.29E+00		0 - 0.5
SD105802	3.23E-01	J	0 - 0.5
SD115901	5.06E-01	U	0 - 0.5
SD116101*	6.51E+00		0 - 0.5
SD116101	5.44E+00		0 - 0.5
SD126201	6.06E+00		0 - 0.5
SD126202	2.50E+00		0 - 0.5
F1190748*	5.30E+01	J	0 - 0.5
F1190748	1.10E+00	J	0 - 0.5
SD119071	1.02E+01		0 - 0.5

Table 3-144

**PCB Results for Exposure Area 21
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
SD119081	1.44E+01		0 - 0.5
SD119091	4.98E-01	J	0 - 0.5
SD109061	3.78E+00		0 - 0.5
SD109062	2.56E-01	J	0 - 0.5
F1190746	9.80E+01	J	0 - 0.5
F1190747	1.33E+01		0 - 0.5
SD119092	1.29E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

NA = not applicable, insufficient number of samples

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-66

1 **3.3.1.2.20 Exposure Area 22**

2 Exposure Area 22 extends from tax parcel 14-4 downstream to the Woods Pond Dam along the
3 west bank of the river. This area includes residential properties and government-owned lands.
4 Exposure to riverbank soil has not been evaluated for Exposure Area 22 because of the absence
5 of a clearly defined riverbank. Riverbank soil samples were collected only from areas where a
6 clearly defined riverbank was present. Exposure to sediment along this stretch of river was
7 assumed to be low contact.

8 **Sediment**

9 One hundred fourteen sediment samples (0 to 0.5 ft) and five duplicate sediment samples were
10 taken from this exposure area. Of these samples, 108 had detected PCB concentrations. The
11 maximum detected PCB concentration was 379 mg/kg. This concentration exceeds the low-
12 contact sediment SRBC of 5 mg/kg. The 95% UCL for this area was 73.2 mg/kg. The 95% UCL
13 is the EPC because it is less than the maximum detected concentration. A comparison of the EPC
14 against the SRBC indicates that this exposure area will require further evaluation. Table 3-145
15 presents the results of the sediment samples collected from Exposure Area 22. Figure 3-67
16 presents the locations of the sediment samples collected from Exposure Area 22.

Table 3-145

**PCB Results for Exposure Area 22
(Results in mg/kg; Depth in feet)**

Low-Contact Sediment

Maximum Detected Concentration: 3.79E+02

Data Distribution: Default (lognormal)

95% UCL: 7.32E+01

EPC: 7.32E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Sediment</i>			
SE000810	5.98E-01	UJ	0 - 0.5
SE000812	6.81E+00	J	0 - 0.5
SE000906	6.72E+00		0 - 0.5
SE000881	2.85E+01		0 - 0.5
SE000882	1.51E+01		0 - 0.5
SE000883	7.85E+00		0 - 0.5
SE000814	2.87E+00		0 - 0.5
SE000815	5.43E+00		0 - 0.5
SE000842	1.66E+00	J	0 - 0.5
SE000885	1.64E+01		0 - 0.5
SE000877	3.64E-01	J	0 - 0.5
SE000878	1.41E+00		0 - 0.5
SE000880	1.39E+02		0 - 0.5
SE000806	1.15E+01	J	0 - 0.5
SE000807	2.43E+00	J	0 - 0.5
SE000873	1.18E+01		0 - 0.5
SE000874	3.79E+02	J	0 - 0.5
FL000299	9.72E-01	UJ	0 - 0.5
FL000328	5.00E+00	J	0 - 0.5
FL000529	5.60E+00	J	0 - 0.5
FL000530	8.00E+00	J	0 - 0.5
FL000531	2.90E+01	J	0 - 0.5
FL000536	5.70E+01		0 - 0.5
FL000612	5.86E+00		0 - 0.5
FL000887	5.89E-01	U	0 - 0.5
FL001435	1.43E+00	U	0 - 0.5
SE000128	6.66E+00	J	0 - 0.5
SE000129	2.02E+01	J	0 - 0.5
SE000130	5.06E+01	J	0 - 0.5
SE000131	1.25E+01	J	0 - 0.5
SE000132	1.49E+02	J	0 - 0.5
SE000133	1.76E+01	J	0 - 0.5
SE000134	5.01E-01	UJ	0 - 0.5
SE000135	7.29E+00	J	0 - 0.5
SE000139	5.90E+01		0 - 0.5
SE000140	2.60E+01	J	0 - 0.5
SE000171	2.60E+01	J	0 - 0.5
SE000726	5.12E+00	J	0 - 0.5
SE000727	5.61E+00		0 - 0.5
SE000728	6.02E+00		0 - 0.5
SE000729	6.49E+00		0 - 0.5
SE001113	2.05E+02		0 - 0.5

Table 3-145

PCB Results for Exposure Area 22
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
SE001126	4.00E+01		0 - 0.5
SE000348	9.04E+00	J	0 - 0.5
SE001092	6.90E+00		0 - 0.5
SE001093	6.69E+00		0 - 0.5
SE001097	4.36E+00		0 - 0.5
SE001116	7.15E-01		0 - 0.5
SE001117	2.18E+01		0 - 0.5
SE001118	3.10E+00		0 - 0.5
SE001252	1.50E-01	J	0 - 0.17
SE001252	6.38E-02		0 - 0.17
SEEC0022	4.56E+00		0 - 0.5
SEEC0023	3.12E+01		0 - 0.5
FL000535	3.80E+01	J	0 - 0.5
SE000257	7.41E-01	J	0 - 0.5
SE000258	2.46E+01		0 - 0.5
SE000339	2.26E+01	J	0 - 0.5
SE000339*	4.60E+01	J	0 - 0.5
SE000340	1.93E+01	J	0 - 0.5
SE000341	2.90E+02	J	0 - 0.5
SE000346	1.60E+01	J	0 - 0.5
SE000347	6.33E-01	U	0 - 0.5
SE000993	7.76E+01		0 - 0.5
SE000994	8.31E+00		0 - 0.5
SE000996	8.87E+00		0 - 0.5
SE000997	1.82E+01		0 - 0.5
SE000998	1.74E+01		0 - 0.5
SE000998*	1.67E+01		0 - 0.5
SE001070	5.41E+01		0 - 0.5
SE001072	1.76E+01		0 - 0.5
SE000898	4.68E+01		0 - 0.5
SE000984	8.48E+01		0 - 0.5
SE000985	6.95E+01		0 - 0.5
SE000987	2.85E+00		0 - 0.5
SE001079*	1.22E+01	J	0 - 0.5
SE001079	2.14E+00	J	0 - 0.5
SE000244	4.00E+01		0 - 0.5
SE000245	7.60E+01		0 - 0.5
SE000246	4.10E+01		0 - 0.5
SE000247	2.50E+01		0 - 0.5
SE000252	8.30E+01		0 - 0.5
SE000696	5.71E+00		0 - 0.164
SE000697	1.74E+00		0 - 0.164
SE000698	1.07E+00		0 - 0.164
SE000699	8.90E-01		0 - 0.164
SE000700	1.10E+00		0 - 0.164
SE000701	6.09E+00		0 - 0.164
SE000702	6.54E+00		0 - 0.164
SE000760	5.10E-01		0 - 0.5
SE000765	7.99E+00		0 - 0.5

Table 3-145

PCB Results for Exposure Area 22
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
SE000766	6.04E+00		0 - 0.5
SE000767	9.46E+00		0 - 0.5
SE001019	3.79E+01	J	0 - 0.5
SE000703	8.84E-01		0 - 0.164
SE000704	6.27E-01	J	0 - 0.164
SE000705	8.57E-01		0 - 0.164
SE000706	5.04E-01	U	0 - 0.164
SE000707	3.55E-01	J	0 - 0.164
SE000748	6.62E+00		0 - 0.5
SE000749	7.03E+01		0 - 0.5
SE000750	1.56E+02	J	0 - 0.5
SE000759	1.66E+01	J	0 - 0.5
SE000896	9.60E+01		0 - 0.5
SD126501	1.02E+01		0 - 0.5
SD126502	3.51E+00		0 - 0.5
SD136701	7.23E+01		0 - 0.5
SD126301	1.75E+01		0 - 0.5
SD126401	1.72E+01	J	0 - 0.5
SD136601	1.77E+01		0 - 0.5
SD136751	2.67E+00		0 - 0.5
F1291039	1.10E+02	J	0 - 0.5
F1291042	2.50E+01	J	0 - 0.5
SD129101	3.38E+00		0 - 0.5
SD139113*	5.11E-01	U	0 - 0.5
SD139113	5.07E-01	U	0 - 0.5
SD139114*	5.19E-01	U	0 - 0.5
SD139114	1.07E+00	U	0 - 0.5
S1391222	7.60E-01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-67

1 **3.3.1.2.21 Exposure Area 23**

2 Exposure Area 23 extends from tax parcel 1-4 downstream to the Woods Pond Dam along the
3 east bank of the river. This area includes government-owned lands. Exposure to riverbank soil
4 and sediment along this stretch of river was assumed to be low contact.

5 **Riverbank Soil**

6 Four riverbank soil samples (0 to 1 ft) and one duplicate riverbank soil sample were taken from
7 this exposure area. All of these samples had detected PCB concentrations. The maximum
8 detected PCB concentration was 60 mg/kg. This concentration exceeds the low-contact riverbank
9 soil SRBC of 7 mg/kg. The 95% UCL for this area was not calculated because of the sample
10 size; therefore, the maximum detected concentration is the EPC. A comparison of the EPC
11 against the SRBC indicates that this exposure area will require further evaluation. Table 3-146
12 presents the results of the riverbank soil samples collected from Exposure Area 23. Figure 3-68
13 presents the locations of the riverbank soil samples collected from Exposure Area 23.

14 **Sediment**

15 One hundred sixty sediment samples (0 to 0.5 ft) and eight duplicate sediment samples were
16 taken from this exposure area. Of these samples, 145 had detected PCB concentrations. The
17 maximum detected PCB concentration was 522 mg/kg. This concentration exceeds the low-
18 contact sediment SRBC of 5 mg/kg. The 95% UCL for this area was 88.1 mg/kg. The 95% UCL
19 is the EPC because it is less than the maximum detected concentration. A comparison of the EPC
20 against the SRBC indicates that this exposure area will require further evaluation. Table 3-146
21 presents the results of the sediment samples collected from Exposure Area 23. Figure 3-68
22 presents the locations of the sediment samples collected from Exposure Area 23.

Table 3-146

**PCB Results for Exposure Area 23
(Results in mg/kg; Depth in feet)**

Low-Contact Riverbank Soil

Maximum Detected Concentration: 6.00E+01
 Data Distribution: NA
 95% UCL: NA
 EPC: 6.00E+01
 SRBC: 7.00E+00

Low-Contact Sediment

Maximum Detected Concentration: 5.22E+02
 Data Distribution: Default (lognormal)
 95% UCL: 8.81E+01
 EPC: 8.81E+01
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BS000006	6.00E+01	J	0 - 0.5
BS000007	5.76E+01	J	0 - 0.5
BS000027	2.38E+01	J	0 - 0.5
BS000027	2.49E+01		0.5 - 1
BS000027*	9.81E+00	J	0.5 - 1
<i>Sediment</i>			
SE000813	6.57E+01	J	0 - 0.5
SE000886	6.86E+01		0 - 0.5
SE000887	7.92E+01		0 - 0.5
SE000888	1.06E+01		0 - 0.5
SE000843	3.56E+01	J	0 - 0.5
SE000844	1.26E+01	J	0 - 0.5
SE000855	1.38E+01		0 - 0.5
SE000805	7.88E+01	J	0 - 0.5
SE000870	5.01E-01	U	0 - 0.5
SE000875	2.05E+02		0 - 0.5
SE000876	5.04E+01		0 - 0.5
SE000871	5.02E-01	U	0 - 0.5
SE000872	3.12E+01		0 - 0.5
FL000069	7.94E-01	U	0 - 0.5
FL000070	1.43E+00	U	0 - 0.5
FL000073	1.61E+00	U	0 - 0.5
FL000267	7.90E+01	J	0 - 0.5
FL000268	1.65E+01	J	0 - 0.5
FL000329	3.64E-01	J	0 - 0.5
FL000330	9.41E-01	J	0 - 0.5
FL000361	5.16E-01	UJ	0 - 0.5
FL000362	7.95E-01	UJ	0 - 0.5
FL000606	1.31E+00		0 - 0.5
FL000607	6.47E+00		0 - 0.5
FL000608	1.80E+00		0 - 0.5
FL000270	9.30E+00	J	0 - 0.5
FL000274	8.50E+00	J	0 - 0.5

Table 3-146

PCB Results for Exposure Area 23
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
FL000317	4.66E+00	J	0 - 0.5
FL000324	7.68E+00	J	0 - 0.5
FL000325	6.11E+00	J	0 - 0.5
FL000326	1.60E+01		0 - 0.5
FL000327	1.10E+00	J	0 - 0.5
FL000345	3.94E+01	J	0 - 0.5
FL000346	2.36E+01	J	0 - 0.5
FL000355	2.30E+00	J	0 - 0.5
FL000356	1.26E+01	J	0 - 0.5
FL000357	1.51E+01	J	0 - 0.5
FL000358	2.57E+01	J	0 - 0.5
FL000359	1.33E+01	J	0 - 0.5
FL000360	1.31E+01	J	0 - 0.5
FL000555	3.80E+01		0 - 0.5
FL000556	1.40E+02		0 - 0.5
FL000556*	1.50E+02		0 - 0.5
SE000260	7.04E-01	U	0 - 0.5
SE000305	1.13E+02		0 - 0.5
SE000306	1.18E+02		0 - 0.5
SE000541	4.96E+01		0 - 0.164
SE000897	5.05E-01	U	0 - 0.5
SE001024	4.69E+00	J	0 - 0.5
SE001082	8.29E+00		0 - 0.5
SE001112	4.83E+01		0 - 0.5
SE001112*	5.20E+01	J	0 - 0.5
SE001114	1.63E+01		0 - 0.5
SE001127	1.24E+02		0 - 0.5
SE001147	1.06E+02		0 - 0.5
SE000267	1.37E+00		0 - 0.5
SE000267*	1.89E+00		0 - 0.5
SE000268	5.19E+00	J	0 - 0.5
SE000307*	1.11E+02		0 - 0.5
SE000307	1.29E+02		0 - 0.5
SE000457	5.22E+02	J	0 - 0.2
SE000481	7.12E-03		0 - 0.5
SE000487	1.12E+02		0 - 0.5
SE000542	1.29E+01		0 - 0.164
SE000543	1.56E+01		0 - 0.164
SE000544	2.31E+00		0 - 0.164
SE000545	9.19E+00		0 - 0.164
SE000546	8.28E+00		0 - 0.164
SE000547	3.46E+00		0 - 0.164
SE000548	2.61E+01		0 - 0.164
SE000549	1.80E+01		0 - 0.164
SE000550	1.52E+01		0 - 0.164
SE000551	7.35E+00		0 - 0.164
SE000552	2.42E+01		0 - 0.164
SE000809	7.70E+00	J	0 - 0.5
SE000868	4.48E+01		0 - 0.5

Table 3-146

PCB Results for Exposure Area 23
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
SE000868*	6.49E+01		0 - 0.5
SE001115	1.08E+00	U	0 - 0.5
SE001119	2.10E+00		0 - 0.5
SE001123	1.57E+02		0 - 0.5
SE001124	1.02E+02		0 - 0.5
SEEC0020	3.76E+00		0 - 0.5
SEEC0021	3.98E+00		0 - 0.5
SEEC0028	2.96E+01		0 - 0.5
SEEC0029	8.52E+00	J	0 - 0.5
SEEC0030	8.24E+01		0 - 0.5
SEEC0031	7.20E+01	J	0 - 0.5
SE001022	1.09E+02	J	0 - 0.5
SE000988	4.62E+01		0 - 0.5
SE000989	2.72E+01		0 - 0.5
SE000991	1.18E+01		0 - 0.5
SE000992	5.65E+01		0 - 0.5
SE000235	7.71E+00		0 - 0.5
SE000237	2.16E+01		0 - 0.5
SE000238	9.30E-01		0 - 0.5
SE000239	2.00E+00		0 - 0.5
SE000240	1.80E+01		0 - 0.5
SE000240*	1.50E+01		0 - 0.5
SE000241	1.70E+01		0 - 0.5
SE000242	1.60E+01		0 - 0.5
SE000243	4.00E+01		0 - 0.5
SE000224	3.65E+01		0 - 0.5
SE000225	7.06E+00		0 - 0.5
SE000226	1.78E+01		0 - 0.5
SE000228	4.87E+01		0 - 0.5
SE000229	1.15E+00		0 - 0.5
SE000230	1.34E+01		0 - 0.5
SE000230*	4.30E+01		0 - 0.5
SE000231	1.80E+01		0 - 0.5
SE000233	8.58E+00		0 - 0.5
SE000234	3.63E+01		0 - 0.5
SE000248	2.40E+01		0 - 0.5
SE000249	1.70E+01		0 - 0.5
SE000250	9.90E+00		0 - 0.5
SE000251	5.40E+01		0 - 0.5
SE000253	6.93E+00		0 - 0.5
SE000254	8.36E+00		0 - 0.5
SE000255	2.71E+01		0 - 0.5
SE000337	9.74E+00	J	0 - 0.5
SE000338	2.39E+01	J	0 - 0.5
SE000761*	7.30E+01		0 - 0.5
SE000761	8.99E+01		0 - 0.5
SE000762	2.07E+01		0 - 0.5
SE000763	3.70E+01		0 - 0.5
SE000764	5.00E-01	U	0 - 0.5

Table 3-146

PCB Results for Exposure Area 23
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
SE000768	1.07E+01		0 - 0.5
SE001012	2.37E+00	J	0 - 0.066
SE001012	3.27E+00	J	0.066 - 0.131
SE001012	4.63E+00	J	0.131 - 0.197
SE001012	5.20E+00	J	0.197 - 0.263
SE001012	2.40E+00	J	0.263 - 0.328
SE001012	2.09E+01	J	0.328 - 0.394
SE001012	5.76E+01	J	0.394 - 0.46
SE001023	9.45E+00	J	0 - 0.5
SE000236	2.54E+01		0 - 0.5
SE000869	1.09E+01	J	0 - 0.5
SE001000	8.59E+00	J	0 - 0.5
SE001001	1.02E+00	J	0 - 0.5
SE000769	2.27E+01		0 - 0.5
SE000845	1.15E+01	J	0 - 0.5
SE000889	7.28E+01		0 - 0.5
SE000891	3.09E+01	J	0 - 0.5
SE000892	1.36E+01		0 - 0.5
SE000894	1.96E+01	J	0 - 0.5
SE000895	6.66E+00		0 - 0.5
SE001009	3.05E-01	J	0 - 0.5
SE001011	1.19E+02	J	0 - 0.066
SE001011	1.82E+02	J	0.263 - 0.328
SE001011	1.96E+02	J	0.394 - 0.46
F1263004	1.93E+01	J	0 - 0.5
F1263005	7.80E-01	J	0 - 0.5
SD126403	1.07E+01		0 - 0.5
SD126503	8.11E-01	U	0 - 0.5
SD136702	5.15E-01	U	0 - 0.5
SD136703	5.27E+01		0 - 0.5
SD126302	2.58E+00	J	0 - 0.5
SD126303	5.07E-01	U	0 - 0.5
SD126402	5.76E+01		0 - 0.5
SD136602	1.17E+00		0 - 0.5
SD136753	8.33E-01		0 - 0.5
F1291036	1.40E+02	J	0 - 0.5
F1291038	1.32E+01	J	0 - 0.5
SD139115	4.67E+00		0 - 0.5
SD139116	5.12E-01	U	0 - 0.5
S1391205	6.10E-01	J	0 - 0.5
SD129102	6.53E+00	J	0 - 0.5
SD129103	1.44E+00	J	0 - 0.5
S1391204	1.23E+01		0 - 0.5

* = duplicate sample

J = estimated detected value

NA = not applicable, insufficient number of samples

U = not detected at reported value

UJ = estimated nondetected value

See Figure 3-68

1 **3.3.2 Commercial/Industrial Land Use**

2 A number of areas along the riverbank have utility easements. Utility workers can be exposed to
3 riverbank soil during activities such as maintenance or installation of new equipment. Given the
4 typical activities of utility workers, it was assumed that significant exposure to sediment is
5 unlikely to occur. Groundskeepers were not assumed to be exposed to either riverbank soil or
6 sediment and were not included in this analysis.

7 **3.3.2.1 Utility Worker**

8 Riverbank soil concentrations of PCBs in areas assumed to have utility worker exposure were
9 screened against the commercial/industrial riverbank soil SRBC of 20 mg/kg. Table 3-147
10 presents the identification of each of these exposure areas, the town in which the exposure area is
11 located, the riverbank location (east or west bank), the ID numbers of the tax parcels that are
12 located on these areas, the table and figure references, and the results of the screening evaluation.

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Table 3-147

Summary of the Commercial/Industrial Riverbank Soil Phase 1 Screening Results

Exposure Area	Town	Riverbank Location	Tax Parcel IDs	Table/Figure Reference	Riverbank Soil Screening Result
Exposure Area 13	Pittsfield	West	J2-2-1	Table 3-148; Figure 3-58	Retained
Exposure Area 14	Lenox	East	34-1	Table 3-149; Figure 3-59	Eliminated
Utility Easement 6	Pittsfield	West	J4-3-13	Table 3-150; Figure 3-41	Retained
Utility Easement 9	Lenox	West	K1-1-10, 34-1, 33-40	Table 3-151; Figure 3-42	Retained
Utility Easement 10	Lenox	West	34-1, 33-40, 29- 3	Table 3-152; Figure 3-42	Eliminated
Utility Easement 12	Lenox	East/West	19-1, 19-3	Table 3-153; Figure 3-43	Eliminated

4
5
6

Eliminated — Eliminated from further consideration.

Retained — Retained for further evaluation in Phase 2.

1 **3.3.2.1.1 Exposure Area 13**

2 Exposure Area 13 consists of tax parcel J2-2-1, the Pittsfield Wastewater Treatment Plant, which
3 is located on the west bank of the river. Exposure to riverbank soil along this stretch of river was
4 assumed to be commercial/industrial. Exposure to sediment was assumed to be low-contact
5 recreational and is evaluated in Subsection 3.3.1. This evaluation focuses on only
6 commercial/industrial exposure to riverbank soil.

7 **Riverbank**

8 Three riverbank soil samples (0 to 1 ft) were taken from this exposure area. All of these samples
9 had detected PCB concentrations. The maximum detected PCB concentration was 28.0 mg/kg.
10 This concentration exceeds the commercial/industrial riverbank soil SRBC of 20 mg/kg. The
11 95% UCL for this area was not calculated because of the sample size; therefore, the maximum
12 detected concentration is the EPC. A comparison of the EPC against the SRBC indicates that this
13 exposure area will require further evaluation. Table 3-148 presents the results of the riverbank
14 soil samples collected from Exposure Area 13. Figure 3-58 presents the locations of the
15 riverbank soil samples collected from Exposure Area 13.

Table 3-148

**PCB Results for Exposure Area 13
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Riverbank Soil

Maximum Detected Concentration: 2.80E+01

Data Distribution: NA

95% UCL: NA

EPC: 2.80E+01

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BW0073A	1.10E+01		0.0 - 0.08
BW0074A	2.80E+01		0.0 - 0.08
BW0075A	2.10E+01		0.0 - 0.08

NA = not applicable, insufficient number of samples

See Figure 3-58

1 **3.3.2.1.2 Exposure Area 14**

2 Exposure Area 14 consists of tax parcel 34-1, the EPRI property, which is located on the east
3 bank of the river. Exposure to riverbank soil along this stretch of river was assumed to be
4 commercial/industrial. Exposure to sediment was assumed to be low-contact recreational and is
5 evaluated in Subsection 3.3.1. This evaluation focuses on only commercial/industrial exposure to
6 riverbank soil.

7 **Riverbank**

8 Eight riverbank soil samples (0 to 1 ft) were taken from this exposure area. All of these samples
9 had detected PCB concentrations. The maximum detected PCB concentration was 7.04 mg/kg.
10 This concentration does not exceed the commercial/industrial riverbank soil SRBC of 20 mg/kg;
11 therefore, this exposure area does not require further evaluation and was eliminated from further
12 consideration. Table 3-149 presents the results of the riverbank soil samples collected from
13 Exposure Area 14. Figure 3-59 presents the locations of the riverbank soil samples collected
14 from Exposure Area 14.

Table 3-149

**PCB Results for Exposure Area 14
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Riverbank Soil

Maximum Detected Concentration: 7.04E+00

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
<i>Riverbank Soil</i>			
BS000015	3.25E+00		0 - 0.5
BS000015	6.01E+00		0.5 - 1
BS000016	1.64E+00		0 - 0.5
BS000016	2.34E+00		0.5 - 1
BS000017	3.41E+00		0 - 0.5
BS000017	5.94E+00		0.5 - 1
BS000018	1.02E+00		0 - 0.5
BS000018	7.04E+00		0.5 - 1

See Figure 3-59

1 **3.3.2.1.3 Utility Easement 6**

2 Utility Easement 6 is a Tennessee Gas easement that transects tax parcel J4-3-13. Industrial
3 exposure to riverbank soil was assumed to occur during typical maintenance operations.

4 **Riverbank Soil**

5 Three riverbank soil samples (0 to 5 ft) were taken from Utility Easement 6. All of these samples
6 had detected PCB concentrations. The maximum detected PCB concentration was 59.3 mg/kg.
7 This concentration exceeds the industrial riverbank soil SRBC of 20 mg/kg. The 95% UCL for
8 this easement was not calculated because of the sample size; therefore, the maximum detected
9 concentration is the EPC. A comparison of the EPC against the SRBC indicates that this
10 easement will require further evaluation for industrial exposure. Table 3-150 presents the results
11 of the riverbank soil samples collected from Utility Easement 6. Figure 3-41 presents the
12 locations of the riverbank soil samples collected from Utility Easement 6.

Table 3-150

**Riverbank Soil PCB Results for Utility Easement 6*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: 5.93E+01

Data Distribution: NA

95% UCL: NA

EPC: 5.93E+01

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
BS000045	1.29E+01		0 - 0.5
BS000045	3.04E+01		0.5 - 1
BS000045	5.93E+01		1 - 5

* This easement crosses tax parcel J4-3-13.

NA = not applicable, insufficient number of samples

See Figure 3-41

1 **3.3.2.1.4 Utility Easement 9**

2 Utility Easement 9 is an electric easement that crosses tax parcels K1-1-10, 34-1, and 33-40.
3 Industrial exposure to riverbank soil was assumed to occur during typical maintenance
4 operations.

5 **Riverbank Soil**

6 Twelve riverbank soil samples (0 to 1 ft) and one duplicate riverbank soil sample were taken
7 from Utility Easement 9. All of these samples had detected PCB concentrations. The maximum
8 detected PCB concentration was 42 mg/kg. This concentration exceeds the industrial riverbank
9 soil SRBC of 20 mg/kg. The 95% UCL for this easement was 58.3 mg/kg. The maximum
10 detected concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC
11 against the SRBC indicates that this easement will require further evaluation for industrial
12 exposure. Table 3-151 presents the results of the riverbank soil samples collected from Utility
13 Easement 9. Figure 3-42 presents the locations of the riverbank soil samples collected from
14 Utility Easement 9.

Table 3-151

**Riverbank Soil PCB Results for Utility Easement 9*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: 4.20E+01

Data Distribution: Lognormal

95% UCL: 5.83E+01

EPC: 4.20E+01

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
BS000014	1.87E+00		0 - 0.5
BS000014	5.20E+00		0.5 - 1
BS000015	3.25E+00		0 - 0.5
BS000015	6.01E+00		0.5 - 1
BS000016	1.64E+00		0 - 0.5
BS000016	2.34E+00		0.5 - 1
BS000018	1.02E+00		0 - 0.5
BS000018	7.04E+00		0.5 - 1
BS000020	2.70E+01		0 - 0.5
BS000020	4.20E+01		0.5 - 1
BS000020**	4.20E+01		0.5 - 1
BS000021	3.40E+01		0 - 0.5
BS000021	2.80E+01		0.5 - 1

* This electric easement crosses tax parcels K1-1-10, 34-1, and 33-40.

** = duplicate sample

See Figure 3-42

1 **3.3.2.1.5 Utility Easement 10**

2 Utility Easement 10 is an electric easement that crosses tax parcels 34-1, 33-40, and 29-3.
3 Industrial exposure to riverbank soil was assumed to occur during typical maintenance
4 operations.

5 **Riverbank Soil**

6 Six riverbank soil samples (0 to 1 ft) were taken from Utility Easement 10. Of these samples,
7 four had detected PCB concentrations. The maximum detected PCB concentration was 12
8 mg/kg. This concentration does not exceed the industrial riverbank soil SRBC of 20 mg/kg;
9 therefore, this easement does not require further evaluation for industrial exposure and was
10 eliminated from further consideration. Table 3-152 presents the results of the riverbank soil
11 samples collected from Utility Easement 10. Figure 3-42 presents the locations of the riverbank
12 soil samples collected from Utility Easement 10.

Table 3-152

**Riverbank Soil PCB Results for Utility Easement 10*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: 1.20E+01

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
BS000013	6.93E-01	U	0 - 0.5
BS000013	6.33E-01	U	0.5 - 1
BS000017	3.41E+00		0 - 0.5
BS000017	5.94E+00		0.5 - 1
BS000011	2.68E+00		0.5 - 1
BS000011	1.20E+01	J	0 - 0.5

* This electric easement crosses tax parcels 34-1, 33-40, and 29-3.

J = estimated detected value

U = not detected at reported value

See Figure 3-42

1 **3.3.2.1.6 Utility Easement 12**

2 Utility Easement 12 is an AT&T easement that transects tax parcels 19-1 and 19-3. Industrial
3 exposure to riverbank soil was assumed to occur during typical maintenance operations.

4 **Riverbank Soil**

5 Three riverbank soil samples (0 to 6 ft) were taken from Utility Easement 12. All of these
6 samples had detected PCB concentrations. The maximum detected PCB concentration was 6.1
7 mg/kg. This concentration does not exceed the industrial riverbank soil SRBC of 20 mg/kg;
8 therefore, this easement does not require further evaluation for industrial exposure and was
9 eliminated from further consideration. Table 3-153 presents the results of the riverbank soil
10 samples collected from Utility Easement 12. Figure 3-43 presents the locations of the riverbank
11 soil samples collected from Utility Easement 12.

12

Table 3-153

**Riverbank Soil PCB Results for Utility Easement 12*
(Results in mg/kg; Depth in feet)**

Utility Easement Area

Maximum Detected Concentration: 6.10E+00

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
BS000023	5.00E-01		1 - 6
BS000023	4.00E+00		0 - 0.5
BS000023	6.10E+00		0.5 - 1

* This easement crosses tax parcels 19-1 and 19-3.

See Figure 3-43

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1 **3.4 SUMMARY OF RESULTS**

2 The preceding sections presented the screening results for each property by exposure medium.
3 Floodplain soil PCB data were evaluated on a tax-parcel basis in Subsection 3.2. Riverbank soil
4 and sediment PCB data were evaluated on an exposure-area basis in Subsection 3.3. To allow for
5 an overall property review that includes all media for each tax parcel in Reaches 5 and 6, this
6 information by media has been organized by tax parcel and is presented in Table 3-154. Table 3-
7 154 presents for each tax parcel the land use, the town the parcel is located in, and the results of
8 the screening evaluation for all media. The table and figure references are also included so that
9 more detailed information can be accessed easily.

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Table 3-154

Summary of the Phase 1 Screening Results for Reaches 5 and 6

Tax Parcel ID	Town	Land Use	Phase 1 Screening Result		
			Floodplain Soil	Riverbank Soil	Sediment
Residential Tax Parcels					
I6-1-42	Pittsfield	LC Res	Retained (Table 3-13; Figure 3-3)	NE (Figure 3-46)	NE (Figure 3-46)
I6-1-2	Pittsfield	LC Res	Eliminated (Table 3-14; Figure 3-3)	NE (Figure 3-46)	NE (Figure 3-46)
I6-2-6	Pittsfield	LC Res	Eliminated (Table 3-15; Figure 3-5)	NE (Figure 3-46)	NE (Figure 3-46)
I6-1-3	Pittsfield	HC Res	Eliminated (Table 3-2; Figure 3-3)	NE (Figure 3-46)	NE (Figure 3-46)
I6-3-13	Pittsfield	HC Res	Transferred (Table 3-3; Figure 3-5)	Retained (Table 3-126; Figure 3-46)	Retained (Table 3-126; Figure 3-46)
I6-3-13	Pittsfield	LC Res	Retained (Table 3-16; Figure 3-5)	Retained (Table 3-126; Figure 3-46)	Retained (Table 3-126; Figure 3-46)
I6-3-1	Pittsfield	LC Res	Retained (Table 3-17; Figure 3-5)	Retained (Table 3-126; Figure 3-46)	Retained (Table 3-126; Figure 3-46)
J6-2-1	Pittsfield	HC Res	Transferred (Table 3-4; Figure 3-6)	Transferred (Table 3-123; Figure 3-49)	Retained (Table 3-123; Figure 3-49)
J6-2-2	Pittsfield	HC Res	Transferred (Table 3-5; Figure 3-6)	Transferred (Table 3-123; Figure 3-49)	Retained (Table 3-123; Figure 3-49)
J6-2-11	Pittsfield	LC Res	Eliminated (Table 3-18; Figure 3-6)	NE (Figure 3-49)	NE (Figure 3-49)
J6-3-1	Pittsfield	HC Res	Transferred (Table 3-6; Figure 3-6)	Transferred (Table 3-124; Figure 3-50)	Retained (Table 3-124; Figure 3-50)
J6-2-3	Pittsfield	LC Res	Eliminated (ND; Figure 3-6)	Retained (Table 3-123; Figure 3-49)	Retained (Table 3-123; Figure 3-49)
J5-2-9; J5-2-10	Pittsfield	HC Res	Transferred (Table 3-7; Figure 3-7)	NE (Figure 3-52)	NE (Figure 3-52)
J5-2-8	Pittsfield	HC Res	Transferred (Table 3-8; Figure 3-7)	NE (Figure 3-52)	NE (Figure 3-52)
J5-2-7	Pittsfield	HC Res	Eliminated (Table 3-9; Figure 3-7)	NE (Figure 3-52)	NE (Figure 3-52)
J5-2-5	Pittsfield	LC Res	Retained (Table 3-19; Figure 3-9)	NE (Figure 3-52)	NE (Figure 3-52)

Table 3-154

**Summary of the Phase 1 Screening Results for Reaches 5 and 6
(Continued)**

Tax Parcel ID	Town	Land Use	Phase 1 Screening Result		
			Floodplain Soil	Riverbank Soil	Sediment
J5-2-11	Pittsfield	HC Res	Transferred (Table 3-10; Figure 3-9)	Retained (Table 3-130; Figure 3-52)	Retained (Table 3-130; Figure 3-52)
J5-2-11	Pittsfield	LC Res	Retained (Table 3-20; Figure 3-9)	Retained (Table 3-130; Figure 3-52)	Retained (Table 3-130; Figure 3-52)
J5-2-4	Pittsfield	LC Res	Retained (Table 3-21; Figure 3-9)	Retained (Table 3-130; Figure 3-52)	Retained (Table 3-130; Figure 3-52)
J4-8-5	Pittsfield	HC Res	Eliminated (ND; Figure 3-11)	NE (Figure 3-52)	NE (Figure 3-52)
J4-8-5	Pittsfield	LC Res	Eliminated (Table 3-22; Figure 3-11)	NE (Figure 3-52)	NE (Figure 3-52)
J4-8-8	Pittsfield	LC Res	Eliminated (Table 3-23; Figure 3-11)	NE (Figure 3-52)	NE (Figure 3-52)
J4-8-2	Pittsfield	LC Res	Eliminated (Table 3-24; Figure 3-11)	NE (Figure 3-52)	NE (Figure 3-52)
J4-8-10	Pittsfield	LC Res	Eliminated (Table 3-25; Figure 3-11)	NE (Figure 3-52)	NE (Figure 3-52)
J4-3-7	Pittsfield	LC Res	Eliminated (Table 3-26; Figure 3-12)	NE (Figure 3-53)	NE (Figure 3-53)
J4-3-8	Pittsfield	LC Res	Eliminated (Table 3-27; Figure 3-12)	NE (Figure 3-53)	NE (Figure 3-53)
J4-3-9	Pittsfield	LC Res	Eliminated (Table 3-28; Figure 3-12)	NE (Figure 3-53)	NE (Figure 3-53)
J4-3-10	Pittsfield	LC Res	Eliminated (Table 3-29; Figure 3-12)	NE (Figure 3-53)	NE (Figure 3-53)
J4-3-11	Pittsfield	LC Res	Eliminated (Table 3-30; Figure 3-12)	NE (Figure 3-53)	NE (Figure 3-53)
J3-1-14	Pittsfield	LC Res	Retained (Table 3-31; Figure 3-12)	NE (Figure 3-53)	NE (Figure 3-53)
J3-1-13	Pittsfield	LC Res	Retained (Table 3-32; Figure 3-12)	Retained (Table 3-132; Figure 3-54)	Retained (Table 3-132; Figure 3-54)
J3-1-12	Pittsfield	LC Res	Retained (Table 3-33; Figure 3-14)	Retained (Table 3-132; Figure 3-54)	Retained (Table 3-132; Figure 3-54)
J3-1-11	Pittsfield	LC Res	Retained (Table 3-34; Figure 3-14)	Retained (Table 3-132; Figure 3-54)	Retained (Table 3-132; Figure 3-54)

Table 3-154

**Summary of the Phase 1 Screening Results for Reaches 5 and 6
(Continued)**

Tax Parcel ID	Town	Land Use	Phase 1 Screening Result		
			Floodplain Soil	Riverbank Soil	Sediment
J3-1-10	Pittsfield	LC Res	Eliminated (Table 3-35; Figure 3-14)	NE (Figure 3-54)	NE (Figure 3-54)
J3-1-9	Pittsfield	LC Res	Eliminated (Table 3-36; Figure 3-14)	NE (Figure 3-54)	NE (Figure 3-54)
J3-1-8	Pittsfield	LC Res	Eliminated (Table 3-37; Figure 3-14)	NE (Figure 3-54)	NE (Figure 3-54)
J3-2-2	Pittsfield	LC Res	Retained (Table 3-38; Figure 3-15)	Retained (Table 3-134; Figure 3-56)	Retained (Table 3-134; Figure 3-56)
J3-2-3	Pittsfield	LC Res	Retained (Table 3-39; Figure 3-15)	Retained (Table 3-134; Figure 3-56)	Retained (Table 3-134; Figure 3-56)
J3-2-4	Pittsfield	LC Res	Retained (Table 3-40; Figure 3-15)	Retained (Table 3-134; Figure 3-56)	Retained (Table 3-134; Figure 3-56)
J3-2-5	Pittsfield	LC Res	Retained (Table 3-41; Figure 3-15)	Retained (Table 3-134; Figure 3-56)	Retained (Table 3-134; Figure 3-56)
J3-2-6	Pittsfield	LC Res	Retained (Table 3-42; Figure 3-15)	Retained (Table 3-134; Figure 3-56)	Retained (Table 3-134; Figure 3-56)
K3-1-2	Pittsfield	LC Res	Retained (Table 3-43; Figure 3-17)	Retained (Table 3-135; Figure 3-57)	Retained (Table 3-135; Figure 3-57)
K2-1-10	Pittsfield	LC Res	Retained (Table 3-44; Figure 3-18)	Retained (Table 3-135; Figure 3-57)	Retained (Table 3-135; Figure 3-57)
K2-1-2	Pittsfield	LC Res	Eliminated (Table 3-45; Figure 3-18)	NE (Figure 3-57)	NE (Figure 3-57)
29-5	Lenox	HC Res	Transferred (Table 3-11; Figure 3-25)	NE (Figure 3-61)	NE (Figure 3-61)
23-37	Lenox	LC Res	Eliminated (Table 3-46; Figure 3-28)	NE (Figure 3-62)	NE (Figure 3-62)
24-6	Lenox	LC Res	Retained (Table 3-47; Figure 3-29)	ND (Figure 3-64)	Retained (Table 3-142; Figure 3-64)
24-5	Lenox	LC Res	Retained (Table 3-48; Figure 3-29)	ND (Figure 3-64)	Retained (Table 3-142; Figure 3-64)
24-4	Lenox	LC Res	Retained (Table 3-49; Figure 3-29)	ND (Figure 3-64)	Retained (Table 3-142; Figure 3-64)
24-3	Lenox	LC Res	Retained (Table 3-50; Figure 3-29)	ND (Figure 3-64)	Retained (Table 3-142; Figure 3-64)

Table 3-154

**Summary of the Phase 1 Screening Results for Reaches 5 and 6
(Continued)**

Tax Parcel ID	Town	Land Use	Phase 1 Screening Result		
			Floodplain Soil	Riverbank Soil	Sediment
24-1	Lenox	LC Res	Retained (Table 3-51; Figure 3-29)	ND (Figure 3-64)	Retained (Table 3-142; Figure 3-64)
18-85	Lenox	LC Res	Eliminated (Table 3-52; Figure 3-32)	NE (Figure 3-65)	NE (Figure 3-65)
9-18	Lenox	LC Res	Retained (Table 3-53; Figure 3-38)	ND (Figure 3-67)	Retained (Table 3-145; Figure 3-67)
9-17	Lenox	HC Res	Eliminated (Table 3-12; Figure 3-38)	ND (Figure 3-67)	Retained (Table 3-145; Figure 3-67)
Recreational Tax Parcels					
H6-4-13	Pittsfield	HC Rec	Retained (Table 3-55; Figure 3-2)	Retained (Table 3-127; Figure 3-47)	Retained (Table 3-127; Figure 3-47)
H6-4-5	Pittsfield	HC Rec	Retained (Table 3-56; Figure 3-2)	Retained (Table 3-127; Figure 3-47)	Retained (Table 3-127; Figure 3-47)
I6-1-41	Pittsfield	HC Rec	Retained (Table 3-57; Figure 3-3)	Retained (Table 3-126; Figure 3-46)	Retained (Table 3-126; Figure 3-46)
I6-1-27	Pittsfield	HC Rec	Retained (Table 3-58; Figure 3-3)	NE (Figure 3-46)	NE (Figure 3-46)
I5-1-1	Pittsfield	LC Rec	Retained (Table 3-59; Figure 3-4)	ND (Figure 3-48)	Retained (Table 3-128; Figure 3-48)
I6-1-1	Pittsfield	HC Rec	Retained (Table 3-60; Figure 3-3)	Retained (Table 3-126; Figure 3-46)	Retained (Table 3-126; Figure 3-46)
I6-2-1	Pittsfield	HC Rec	Retained (Table 3-61; Figure 3-5)	Retained (Table 3-126; Figure 3-46)	Retained (Table 3-126; Figure 3-46)
J6-3-2	Pittsfield	HC Rec	Retained (Table 3-62; Figure 3-6)	Retained ND (Figure 3-50)	Retained ND (Figure 3-50)
J6-4-2	Pittsfield	HC Rec	Retained (Table 3-63; Figure 3-8)	Retained (Table 3-129; Figure 3-51)	Retained (Table 3-129; Figure 3-51)
J5-2-110	Pittsfield	HC Rec	Retained (Table 3-64; Figure 3-7)	Retained (Table 3-130; Figure 3-52)	Retained (Table 3-130; Figure 3-52)
J5-2-6	Pittsfield	HC Rec	Retained (Table 3-65; Figure 3-7)	NE (Figure 3-52)	NE (Figure 3-52)
J5-2-105	Pittsfield	HC Rec	Retained (Table 3-66; Figure 3-9)	Retained (Table 3-130; Figure 3-52)	Retained (Table 3-130; 3-52)

Table 3-154

**Summary of the Phase 1 Screening Results for Reaches 5 and 6
(Continued)**

Tax Parcel ID	Town	Land Use	Phase 1 Screening Result		
			Floodplain Soil	Riverbank Soil	Sediment
J4-3-13	Pittsfield	LC Rec	Retained (Table 3-67; Figure 3-11)	Retained (Table 3-131; Figure 3-53)	Retained (Table 3-131; Figure 3-53)
J4-3-12	Pittsfield	HC Rec	Retained (Table 3-68; Figure 3-12)	Retained (Table 3-131; Figure 3-53)	Retained (Table 3-131; Figure 3-53)
J3-1-7	Pittsfield	HC Rec	Retained (Table 3-69; Figure 3-14)	Retained (Table 3-132; Figure 3-54)	Retained (Table 3-132; Figure 3-54)
J3-1-6	Pittsfield	HC Rec	Retained (Table 3-70; Figure 3-14)	Retained (Table 3-133; Figure 3-55)	Retained (Table 3-133; Figure 3-55)
K3-1-19	Pittsfield	HC Rec	Retained (Table 3-71; Figure 3-17)	Retained (Table 3-135; Figure 3-57)	Retained (Table 3-135; Figure 3-57)
J2-2-2	Pittsfield	LC Rec	Retained (Table 3-72; Figure 3-16)	Retained (Table 3-133; Figure 3-55)	Retained (Table 3-133; Figure 3-55)
K3-1-1	Pittsfield	HC Rec	Retained (Table 3-73; Figure 3-17)	Retained (Table 3-135; Figure 3-57)	Retained (Table 3-135; Figure 3-57)
K2-1-5	Pittsfield	LC Rec	Retained (Table 3-74; Figure 3-18)	Retained (Table 3-135; Figure 3-57)	Retained (Table 3-135; Figure 3-57)
K2-1-4	Pittsfield	HC Rec	Retained (Table 3-75; Figure 3-18)	Retained (Table 3-135; Figure 3-57)	Retained (Table 3-135; Figure 3-57)
K2-1-3	Pittsfield	LC Rec	Retained (Table 3-76; Figure 3-18)	Retained (Table 3-135; Figure 3-57)	Retained (Table 3-135; Figure 3-57)
K2-1-1	Pittsfield	HC Rec	Retained (Table 3-77; Figure 3-20)	Retained (Table 3-135; Figure 3-57)	Retained (Table 3-135; Figure 3-57)
33-40	Lenox	HC Rec	Retained (Table 3-78; Figure 3-22)	Retained (Table 3-138; Figure 3-60)	Retained (Table 3-138; Figure 3-60)
29-3	Lenox	HC Rec	Retained (Table 3-79; Figure 3-24)	Retained (Table 3-138; Figure 3-60)	Retained (Table 3-138; Figure 3-60)
29-9	Lenox	HC Rec	Retained (Table 3-80; Figure 3-25)	Retained (Table 3-139; Figure 3-61)	Retained (Table 3-139; Figure 3-61)
29-2	Lenox	HC Rec	Retained (Table 3-81; Figure 3-26)	Retained (Table 3-140; Figure 3-62)	Retained (Table 3-140; Figure 3-62)
29-1	Pittsfield	LC Rec	Retained (Table 3-82; Figure 3-27)	ND (Figure 3-63)	Retained (Table 3-141; Figure 3-63)
24-7	Lenox	HC Rec	Retained (Table 3-83; Figure 3-29)	ND (Figure 3-64)	Retained (Table 3-142; Figure 3-64)

Table 3-154

**Summary of the Phase 1 Screening Results for Reaches 5 and 6
(Continued)**

Tax Parcel ID	Town	Land Use	Phase 1 Screening Result		
			Floodplain Soil	Riverbank Soil	Sediment
19-3	Lenox	HC Rec	Retained (Table 3-84; Figure 3-30)	Retained (Table 3-143; Figure 3-65)	Retained (Table 3-143; Figure 3-65)
19-5	Lenox	LC Rec	Retained (Table 3-85; Figure 3-31)	Retained (Table 3-144; Figure 3-66)	Retained (Table 3-144; Figure 3-66)
18-84	Lenox	LC Rec	Eliminated (Table 3-86; Figure 3-31)	NE (Figure 3-66)	NE (Figure 3-66)
19-1	Lenox	HC Rec	Retained (Table 3-88; Figure 3-33)	Retained (Table 3-144; Figure 3-66)	Retained (Table 3-144; Figure 3-66)
19-2	Lenox	HC Rec	Retained (Table 3-87; Figure 3-30)	Retained (Table 3-143; Figure 3-65)	Retained (Table 3-143; Figure 3-65)
18-86	Lenox	LC Rec	Eliminated (Table 3-91; Figure 3-34)	NE (Figure 3-68)	NE (Figure 3-68)
14-4	Lenox	HC Rec	Retained (Table 3-89; Figure 3-36)	ND (Figure 3-67)	Retained (Table 3-145; Figure 3-67)
13-2	Lenox	HC Rec	Eliminated (Table 3-90; Figure 3-35)	NE (Figure 3-68)	NE (Figure 3-68)
13-1	Lenox	LC Rec	Eliminated (Table 3-92; Figure 3-34)	NE (Figure 3-68)	NE (Figure 3-68)
1-4	Lenox	HC Rec	Retained (Table 3-93; Figure 3-36)	Retained (Table 3-146; Figure 3-68)	Retained (Table 3-146; Figure 3-68)
1-3	Lenox	HC Rec	Retained (Table 3-94; Figure 3-37)	Retained (Table 3-146; Figure 3-68)	Retained (Table 3-146; Figure 3-68)
1-1	Lenox	HC Rec	Retained (Table 3-95; Figure 3-37)	Retained (Table 3-146; Figure 3-68)	Retained (Table 3-146; Figure 3-68)
2-8	Lenox	HC Rec	Retained (Table 3-96; Figure 3-37)	Retained (Table 3-146; Figure 3-68)	Retained (Table 3-146; Figure 3-68)
2-4	Lenox	HC Rec	Retained (Table 3-97; Figure 3-38)	Retained (Table 3-146; Figure 3-68)	Retained (Table 3-146; Figure 3-68)
9-16	Lenox	HC Rec	Retained (Table 3-98; Figure 3-38)	ND (Figure 3-67)	Retained (Table 3-145; Figure 3-67)
Agricultural Tax Parcels					
K4-6-28	Pittsfield	AG	Retained (Table 3-100; Figure 3-10)	NA	NA

Table 3-154

**Summary of the Phase 1 Screening Results for Reaches 5 and 6
(Continued)**

Tax Parcel ID	Town	Land Use	Phase 1 Screening Result		
			Floodplain Soil	Riverbank Soil	Sediment
J3-2-1	Pittsfield	AG	Retained (Table 3-101; Figure 3-13)	NA	NA
J2-2-2	Pittsfield	AG	Eliminated (Table 3-102; Figure 3-16)	NA	NA
K1-1-10	Pittsfield	AG	Retained (Table 3-103; Figure 3-21)	NA	NA
Commercial/Industrial Tax Parcels					
J2-2-1	Pittsfield	C/I	Retained (Table 3-119; Figure 3-19)	Retained (Table 3-148; Figure 3-58)	Retained (Table 3-136; Figure 3-58)
34-1	Pittsfield	C/I	Retained (Table 3-120; Figure 3-23)	Eliminated (Table 3-149; Figure 3-59)	Retained (Table 3-137; Figure 3-59)
9-14	Lenox	C/I	Eliminated (Table 3-121; Figure 3-38)	ND (Figure 3-67)	NA (Figure 3-67)

- 1 AG = agricultural
- 2 C/I = commercial/industrial
- 3 HC Rec = high-contact recreational
- 4 HC Res = high-contact residential
- 5 LC Rec = low-contact recreational
- 6 LC Res = low-contact residential
- 7 Transferred = these high-contact residential properties were transferred to GE.
- 8 Eliminated = eliminated from further consideration.
- 9 Retained = retained for more detailed evaluation in Phase 2.
- 10 NE = not evaluated because the property does not extend to the river; therefore, there is no riverbank soil or
- 11 sediment exposure associated with this property.
- 12 ND = no data available.
- 13 NA = not applicable because it is assumed no riverbank soil or sediment exposure is associated with this land use.

1 **4. REACH 7 AND 8 PHASE 1 SCREENING RESULTS**

2 **4.1 INTRODUCTION**

3 Reaches 7 and 8 include floodplain soil, riverbank soil, and sediment from the area below the
4 Woods Pond Dam downstream to and including Rising Pond as shown in Figure 4-1. The Phase
5 1 floodplain soil screening approach for this part of the river differed from the approach used for
6 Reaches 5 and 6 (see Section 3) in that much larger exposure areas were included in the
7 screening evaluations. (The exception to this was current high-contact residential properties,
8 which were screened on a tax-parcel basis as was done in Reaches 5 and 6.) In most cases, each
9 exposure area under evaluation consisted of a single land use, although in some cases, multiple
10 land uses were grouped together if the contamination throughout the area was below the
11 applicable SRBCs. This approach was made possible by the overall lower level of PCB
12 contamination below the Woods Pond Dam.

13 Subsection 4.2 presents the floodplain soil screening evaluation. It is subdivided into areas
14 designated as having high-contact residential floodplain soil (Subsection 4.2.1) and all other land
15 use areas (Subsection 4.2.2). Within each land use category, the PCB concentrations in each
16 exposure area were compared to the appropriate SRBCs and the results of the Phase 1 screen
17 were presented. The progression within each land use category started at the most upstream
18 location and proceeded downstream.

19 Riverbank soil data were evaluated on a reach-wide basis because of the limited amount of actual
20 riverbank in these reaches and the lack of PCB contamination in areas with riverbank. The
21 results of the riverbank soil evaluation are presented in Subsection 4.3.1. Sediment data were
22 grouped and evaluated based on proximity to impoundment areas. A review of the data
23 throughout the entire reach indicated that little or no PCB contamination was present in sediment
24 at free-flowing portions of the river. In contrast, PCB concentrations in sediment immediately
25 upstream of the various impoundments typically exceeded the sediment SRBCs. The results of
26 the sediment evaluation are presented in Subsection 4.3.2.

1 For each evaluation area, the screening evaluation includes a figure showing the sampling
2 locations, the 100-year floodplain delineation, and a table summarizing the applicable PCB
3 concentration data and summary statistics.

4 There are some apparent differences in the Reach 7 and 8 figures because information sources
5 such as river coverage, tax parcels, and floodplain boundary were different from the sources used
6 for Reaches 5 and 6. A prime example is the use of the 10-year floodplain boundary in Reaches 5
7 and 6 and the 100-year floodplain boundary in Reaches 7 and 8. For Reaches 5 and 6,
8 Geographic Information System (GIS) layers were obtained from BB&L as CAD files converted
9 to GIS themes. These CAD files were derived from aerial photography using photogrammetric
10 techniques, and as such, represent a fairly high level of accuracy. Similar themes used to produce
11 maps in Reaches 7 and 8 were obtained from inherently less accurate sources including Mass
12 GIS and Berkshire County. Therefore, in some cases, the figures in Section 4 (Reaches 7 and 8)
13 will have some apparent inaccuracies in the way the river, tax parcels, and floodplain coverages
14 line up. These do not affect the results of the analysis.

15 Tax parcel identifications (IDs) are used throughout the report for all high-contact residential and
16 exposure area analyses. For Pittsfield, the tax parcel IDs consist of map, block, and lot
17 designations (e.g., tax parcel 20-2-34, meaning tax map 20, block 2, and lot 34). In the towns of
18 Lee, Lenox, Stockbridge, and Great Barrington, the tax parcel IDs consist of map and lot
19 designations (e.g., tax parcel 2-3, meaning tax map 2, lot 3).

20

1 **4.2 FLOODPLAIN SOIL EXPOSURE**

2 **4.2.1 Current High-Contact Residential Properties**

3 This section provides the results of the screening evaluation for the current residential properties
4 with high-contact residential area in the floodplain. As noted in the Consent Decree (00-0388),
5 PCB concentrations on current residential properties identified as having high-contact residential
6 areas in the floodplain (referred to as actual or potential lawn area in the Consent Decree) were
7 compared to the residential high-contact floodplain soil SRBC of 2 mg/kg. Reaches 7 and 8 have
8 83 residential properties meeting these criteria. Of the 83 residential tax parcels identified as
9 having high-contact residential areas, 22 parcels contained at least one detected concentration of
10 PCBs that exceeded the residential high-contact floodplain soil SRBC of 2 mg/kg and will be
11 transferred to GE for further evaluation. Five had no PCB data collected, or had detected PCB
12 concentrations less than 2 mg/kg, and will be transferred to GE for further evaluation based on
13 detected PCB concentrations greater than 2 mg/kg at nearby properties. Five high-contact
14 residential areas had no Phase 1 screening result. These areas are awaiting the results of GE
15 sampling at nearby high-contact residential properties before a Phase 1 screening result is given.
16 Table 4-1 lists the tax parcel ID number, the town in which the tax parcel is located, the table and
17 figure references, and the results of the screening analysis for all high-contact residential
18 properties. Figure 4-1 provides an index of the high-contact residential area maps for Reaches 7
19 and 8.

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Table 4-1
Summary of the High-Contact Residential Floodplain Soil Phase 1
Screening Results

Tax Parcel ID	Town	Table/Figure Reference	Screening Result
4-73	Lenox	Table 4-2; Figure 4-2	Transferred to GE
8-38; 8-37	Lee	Table 4-3; Figure 4-3	Eliminated
8-48	Lee	Table 4-4; Figure 4-3	Transferred to GE
18A-117	Lee	Table 4-5; Figure 4-4	Eliminated
25A-138	Lee	Table 4-6; Figure 4-5	Eliminated
25-33	Lee	Table 4-7; Figure 4-5	Eliminated
25-34	Lee	Table 4-8; Figure 4-5	Eliminated
29-104; 29-105	Lee	Table 4-9; Figure 4-6	Transferred to GE
29-102	Lee	Table 4-10; Figure 4-6	Eliminated
29-101	Lee	Table 4-11; Figure 4-6	Transferred to GE
29-100	Lee	Table 4-12; Figure 4-6	Transferred to GE
29-89	Lee	Table 4-13; Figure 4-6	Eliminated
20-88	Lee	Table 4-14; Figure 4-6	Eliminated
29-87	Lee	Table 4-15; Figure 4-6	Eliminated
29-86	Lee	Table 4-16; Figure 4-6	Eliminated
29-85	Lee	NA; Figure 4-6	Transferred to GE
29-84	Lee	NA; Figure 4-6	Transferred to GE
29-83	Lee	Table 4-17; Figure 4-6	Transferred to GE
29-82	Lee	Table 4-18; Figure 4-6	Eliminated
29-81	Lee	Table 4-19; Figure 4-6	Eliminated
29-80	Lee	Table 4-20; Figure 4-6	Eliminated
29-78; 29-79	Lee	Table 4-21; Figure 4-7	Transferred to GE
29-77	Lee	Table 4-22; Figure 4-7	Eliminated
29-76	Lee	NA; Figure 4-7	To be determined
29-75	Lee	Table 4-23; Figure 4-7	Transferred to GE
29-74	Lee	Table 4-24; Figure 4-7	Transferred to GE
29-73	Lee	Table 4-25; Figure 4-7	Transferred to GE
29-72	Lee	Table 4-26; Figure 4-7	Transferred to GE
29-70	Lee	Table 4-27; Figure 4-7	Transferred to GE
29-65	Lee	Table 4-28; Figure 4-7	Eliminated

Table 4-1

**Summary of the High-Contact Residential Floodplain Soil Phase 1
Screening Results
(Continued)**

Tax Parcel ID	Town	Table/Figure Reference	Screening Result
29-64	Lee	Table 4-29; Figure 4-7	Eliminated
29-63	Lee	Table 4-30; Figure 4-7	Eliminated
29-62	Lee	Table 4-31; Figure 4-7	Eliminated
29-61	Lee	Table 4-32; Figure 4-7	Eliminated
29-60	Lee	Table 4-33; Figure 4-7	Transferred to GE
26A-61	Stockbridge	Table 4-34; Figure 4-8	Eliminated
26A-60	Stockbridge	Table 4-35; Figure 4-8	Eliminated
26A-58	Stockbridge	Table 4-36; Figure 4-8	Eliminated
26A-56	Stockbridge	Table 4-37; Figure 4-8	Eliminated
26A-55	Stockbridge	Table 4-38; Figure 4-8	Eliminated
26A-54	Stockbridge	Table 4-39; Figure 4-8	Eliminated
26A-53	Stockbridge	Table 4-40; Figure 4-8	Transferred to GE
26A-52	Stockbridge	Table 4-41; Figure 4-8	Eliminated
26A-51	Stockbridge	NA; Figure 4-8	To be determined
26A-50.01	Stockbridge	Table 4-42; Figure 4-8	Eliminated
26A-41	Stockbridge	Table 4-43; Figure 4-8	Transferred to GE
26A-40	Stockbridge	Table 4-44; Figure 4-8	Transferred to GE
26A-40.01	Stockbridge	Table 4-45; Figure 4-8	Eliminated
26A-36.01	Stockbridge	Table 4-46; Figure 4-8	Eliminated
26A-36	Stockbridge	Table 4-47; Figure 4-8	Eliminated
26A-36.02	Stockbridge	NA; Figure 4-8	Eliminated
26A-32	Stockbridge	Table 4-48; Figure 4-8	Eliminated
26A-27	Stockbridge	Table 4-49; Figure 4-8	Eliminated
26A-26.01	Stockbridge	Table 4-50; Figure 4-8	Transferred to GE
26A-24	Stockbridge	Table 4-51; Figure 4-8	Transferred to GE
26-84	Stockbridge	Table 4-52; Figure 4-9	Eliminated
21-65	Stockbridge	Table 4-53; Figure 4-9	Eliminated
21-64	Stockbridge	Table 4-54; Figure 4-9	Eliminated
21-63	Stockbridge	Table 4-55; Figure 4-9	Eliminated
20-13	Stockbridge	Table 4-56; Figure 4-10	Eliminated

Table 4-1

**Summary of the High-Contact Residential Floodplain Soil Phase 1
Screening Results
(Continued)**

Tax Parcel ID	Town	Table/Figure Reference	Screening Result
20A-43	Stockbridge	Table 4-57; Figure 4-11	Transferred to GE
20A-42	Stockbridge	Table 4-58; Figure 4-11	To be determined
20A-38	Stockbridge	Table 4-59; Figure 4-11	Eliminated
20A-37	Stockbridge	Table 4-60; Figure 4-11	Eliminated
20A-34	Stockbridge	Table 4-61; Figure 4-11	Eliminated
20A-33	Stockbridge	Table 4-62; Figure 4-11	Eliminated
20-4	Stockbridge	Table 4-63; Figure 4-12	Transferred to GE
9-54.02	Stockbridge	Table 4-64; Figure 4-13	Transferred to GE
9-54.01	Stockbridge	Table 4-65; Figure 4-13	To be determined
9-56.03	Stockbridge	NA; Figure 4-13	To be determined
9-56.01	Stockbridge	Table 4-66; Figure 4-13	Eliminated
9-56.02	Stockbridge	NA; Figure 4-13	Transferred to GE
9-57	Stockbridge	NA; Figure 4-13	Transferred to GE
9-43	Stockbridge	Table 4-67; Figure 4-14	Eliminated
9-39	Stockbridge	Table 4-68; Figure 4-14	Eliminated
9-38	Stockbridge	Table 4-69; Figure 4-14	Eliminated
9-37	Stockbridge	Table 4-70; Figure 4-14	Eliminated
5-31	Stockbridge	Table 4-71; Figure 4-15	Eliminated
5-23	Stockbridge	Table 4-72; Figure 4-15	Eliminated
5-22	Stockbridge	Table 4-73; Figure 4-15	Transferred to GE
6-1	Stockbridge	Table 4-74; Figure 4-15	Eliminated
6-2	Stockbridge	Table 4-75; Figure 4-15	Eliminated
6-3	Stockbridge	Table 4-76; Figure 4-15	Transferred to GE

- 1
- 2 Eliminated – Eliminated from further consideration in the risk assessment based on having a maximum detected
- 3 PCB concentration of less than 2 mg/kg.
- 4 NA – Not available. No sampling performed on this tax parcel.

1 **4.2.1.1 Tax Parcel: 4-73**

2 Tax parcel 4-73 is a residential property and is approximately 3.5 acres. Approximately 1.7 acres
3 lie within the 100-year floodplain and are considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Twelve floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, 10
7 had detected PCB concentrations. The maximum detected PCB concentration was 18.1 mg/kg.
8 This concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property will be transferred to GE for further evaluation. Table 4-2 presents the
10 results of the floodplain soil samples collected from tax parcel 4-73. Figure 4-2 presents the
11 locations of the floodplain soil samples collected from tax parcel 4-73.

Table 4-2

**Floodplain Soil PCB Results for Tax Parcel 4-73
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.81E+01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001403	1.34E+01		0 - 0.5
FL001403	1.08E+01		0.5 - 1
FL001404	2.70E+00		0 - 0.5
FL001404	4.37E+00		0.5 - 1
FL001498	4.30E-01	J	0.5 - 1
FL001498	2.92E-01	J	0 - 0.5
FL001499	5.02E-01	U	0 - 0.5
FL001499	5.02E-01	U	0.5 - 1
FL001500	4.18E+00		0 - 0.5
FL001500	1.81E+01		0.5 - 1
FL001501	1.07E+00		0 - 0.5
FL001501	8.40E-02		0.5 - 1

J = estimated detected value

U = not detected at reported value

See Figure 4-2

1 **4.2.1.2 Tax Parcels: 8-37 and 8-38**

2 Tax parcels 8-37 and 8-38 are residential properties and are owned by the same resident. The
3 total area of these parcels is approximately 25 acres. Of the approximately 14.8 acres that lie
4 within the 100-year floodplain, 10 acres are considered high-contact residential property.

5 **Floodplain Soil**

6 Eleven floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, two
7 had detected PCB concentrations. The maximum detected PCB concentration was 0.861 mg/kg.
8 This concentration does not exceed the residential high-contact floodplain soil SRBC of 2
9 mg/kg; therefore, this property was eliminated from further consideration. Table 4-3 presents the
10 results of the floodplain soil samples collected from tax parcels 8-37 and 8-38. Figure 4-3
11 presents the locations of the floodplain soil samples collected from tax parcels 8-37 and 8-38.

Table 4-3

**Floodplain Soil PCB Results for Tax Parcels 8-37 and 8-38
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 8.61E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001212	8.61E-01		0 - 0.5
FL001212	5.01E-01	U	0.5 - 1
FL001213	5.97E-01		0 - 0.5
FL001213	5.02E-01	U	0.5 - 1
FL001406	5.20E-01	U	0 - 0.5
FL001406	6.17E-01	U	0.5 - 1
FL001489	5.05E-01	U	0.5 - 1
FL001489	5.06E-01	U	0 - 0.5
FL001490	5.06E-01	U	0 - 0.5
FL001490	5.06E-01	U	0.5 - 1
F1569506	5.12E-01	U	0 - 0.5

U = not detected at reported value

See Figure 4-3

1 **4.2.1.3 Tax Parcel: 8-48**

2 Tax parcel 8-48 is a residential property and is approximately 6.1 acres. Approximately 4.1 acres
3 lie within the 100-year floodplain and are considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Six floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 31.7 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-4 presents the results of the
10 floodplain soil samples collected from tax parcel 8-48. Figure 4-3 presents the locations of the
11 floodplain soil samples collected from tax parcel 8-48.

Table 4-4

**Floodplain Soil PCB Results for Tax Parcel 8-48
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 3.17E+01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001190	3.17E+01		0 - 0.5
FL001190	4.68E+00		0.5 - 1
FL001188	6.95E+00	J	0 - 0.5
FL001188	9.84E+00	J	0.5 - 1
FL001189	6.81E+00		0 - 0.5
FL001189	9.59E-01		0.5 - 1

J = estimated detected value

See Figure 4-3

1 **4.2.1.4 Tax Parcel: 18A-117**

2 Tax parcel 18A-117 is a residential property and is approximately 0.44 acre. The entire property
3 area lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) were taken from this property. None of these samples had
7 detected PCB concentrations. Based on these results, this property was eliminated from further
8 consideration. Table 4-5 presents the results of the floodplain soil samples collected from tax
9 parcel 18A-117. Figure 4-4 presents the locations of the floodplain soil samples collected from
10 tax parcel 18A-117.

Table 4-5

**Floodplain Soil PCB Results for Tax Parcel 18A-117
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: ND

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001222	5.05E-01	UJ	0 - 0.5
FL001222	5.05E-01	UJ	0.5 - 1
FL001476	5.01E-01	U	0.5 - 1
FL001476	5.00E-01	U	0 - 0.5

ND = not detected

U = not detected at reported value

UJ = estimated nondetected value

See Figure 4-4

1 **4.2.1.5 Tax Parcel: 25A-138**

2 Tax parcel 25A-138 is a residential property and is approximately 0.6 acre. Approximately 0.35
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. All of the samples had detected PCB concentrations. The maximum detected PCB
8 concentration was 0.38 mg/kg. This concentration does not exceed the residential high-contact
9 floodplain soil SRBC of 2 mg/kg; therefore, this property was eliminated from further
10 consideration. Table 4-6 presents the results of the floodplain soil samples collected from tax
11 parcel 25A-138. Figure 4-5 presents the locations of the floodplain soil samples collected from
12 tax parcel 25A-138.

Table 4-6

**Floodplain Soil PCB Results for Tax Parcel 25A-138
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 3.80E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001697	2.10E-01		0.5 - 1
FL001697	2.20E-01		0 - 0.5
FL001697*	1.50E-01		0 - 0.5
FL001698	2.80E-01		0 - 0.5
FL001698	3.80E-01	J	0.5 - 1

* = duplicate sample

J = estimated detected value

See Figure 4-5

1 **4.2.1.6 Tax Parcel: 25-33**

2 Tax parcel 25-33 is a residential property and is approximately 0.74 acre. Approximately 0.7
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Six floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, two had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.3 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-7 presents the results
10 of the floodplain soil samples collected from tax parcel 25-33. Figure 4-5 presents the locations
11 of the floodplain soil samples collected from tax parcel 25-33.

Table 4-7

**Floodplain Soil PCB Results for Tax Parcel 25-33
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 3.00E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001535	3.00E-01	J	0 - 0.5
FL001535	5.03E-01	U	0.5 - 1
FL001538	5.01E-01	U	0.5 - 1
FL001538	2.79E-01	J	0 - 0.5
FL001211	5.04E-01	U	0 - 0.5
FL001211	5.01E-01	U	0.5 - 1

J = estimated detected value

U = not detected at reported value

See Figure 4-5

1 **4.2.1.7 Tax Parcel: 25-34**

2 Tax parcel 25-34 is a residential property and is approximately 0.63 acre. Approximately 0.37
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.972 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-8 presents the results
10 of the floodplain soil samples collected from tax parcel 25-34. Figure 4-5 presents the locations
11 of the floodplain soil samples collected from tax parcel 25-34.

Table 4-8

**Floodplain Soil PCB Results for Tax Parcel 25-34
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 9.72E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001537	4.13E-01	J	0 - 0.5
FL001537	9.14E-01		0.5 - 1
FL001539	9.72E-01		0 - 0.5
FL001539	4.02E-01	J	0.5 - 1

J = estimated detected value

See Figure 4-5

1 **4.2.1.8 Tax Parcels: 29-104 and 29-105**

2 Tax parcels 29-104 and 29-105 are residential properties owned by the same resident. The total
3 area of these parcels is approximately 8.0 acres. Of the approximately 8.0 acres that lie within
4 the 100-year floodplain, all are considered high-contact residential property. This property
5 extends to the riverbank.

6 **Floodplain Soil**

7 Five floodplain soil samples (0 to 1 ft) and two duplicate floodplain soil samples were taken
8 from this property. All of these samples had detected PCB concentrations. The maximum
9 detected PCB concentration was 4.03 mg/kg. This concentration exceeds the residential high-
10 contact floodplain soil SRBC of 2 mg/kg; therefore, this property will be transferred to GE for
11 further evaluation. Table 4-9 presents the results of the floodplain soil samples collected from tax
12 parcels 29-104 and 29-105. Figure 4-6 presents the locations of the floodplain soil samples
13 collected from tax parcels 29-104 and 29-105.

Table 4-9

**Floodplain Soil PCB Results for Tax Parcels 29-104 and 29-105
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 4.03E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000976	8.37E-01		0.5 - 1
FL000976*	1.27E+00		0 - 0.5
FL000976	1.36E+00		0 - 0.5
F2276504*	9.55E-01	J	0 - 0.5
F2276504	1.41E+00		0 - 0.5
F2276505	2.28E+00		0 - 0.5
F2276506	4.03E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 4-6

1 **4.2.1.9 Tax Parcel: 29-102**

2 Tax parcel 29-102 is a residential property and is approximately 1.4 acres. The entire property
3 area lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Six floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. Of these samples, five had detected PCB concentrations. The maximum detected
8 PCB concentration was 1.5 mg/kg. This concentration does not exceed the residential high-
9 contact floodplain soil SRBC of 2 mg/kg; therefore, this property was eliminated from further
10 consideration. Table 4-10 presents the results of the floodplain soil samples collected from tax
11 parcel 29-102. Figure 4-6 presents the locations of the floodplain soil samples collected from tax
12 parcel 29-102.

Table 4-10

**Floodplain Soil PCB Results for Tax Parcel 29-102
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.50E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000977	5.92E-01		0 - 0.5
FL000977	1.50E+00		0.5 - 1
FL001252	5.02E-01	U	0 - 0.5
FL001252	5.01E-01	U	0.5 - 1
FL001492*	8.54E-01		0.5 - 1
FL001492	1.34E+00		0 - 0.5
FL001492	7.90E-01		0.5 - 1

* = duplicate sample

U = not detected at reported value

See Figure 4-6

1 **4.2.1.10 Tax Parcel: 29-101**

2 Tax parcel 29-101 is a residential property and is approximately 0.9 acre. The entire property
3 area lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, two had
7 detected PCB concentrations. The maximum detected PCB concentration was 7.33 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-11 presents the results of
10 the floodplain soil samples collected from tax parcel 29-101. Figure 4-6 presents the locations of
11 the floodplain soil samples collected from tax parcel 29-101.

Table 4-11

**Floodplain Soil PCB Results for Tax Parcel 29-101
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 7.33E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001251	2.74E+00		0 - 0.5
FL001251	7.33E+00		0.5 - 1
FL001515	5.01E-01	U	0 - 0.5
FL001515	5.08E-01	U	0.5 - 1

U = not detected at reported value

See Figure 4-6

1 **4.2.1.11 Tax Parcel: 29-100**

2 Tax parcel 29-100 is a residential property and is approximately 1.6 acres. The entire property
3 area lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 4.38 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-12 presents the results of
10 the floodplain soil samples collected from tax parcel 29-100. Figure 4-6 presents the locations of
11 the floodplain soil samples collected from tax parcel 29-100.

Table 4-12

**Floodplain Soil PCB Results for Tax Parcel 29-100
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 4.38E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000978	4.38E+00		0 - 0.5
FL000978	2.89E+00		0.5 - 1
FL001797	2.00E+00		0 - 0.5
FL001797	1.50E+00		0.5 - 1

See Figure 4-6

1 **4.2.1.12 Tax Parcel: 29-89**

2 Tax parcel 29-89 is a residential property and is approximately 0.42 acre. Approximately 0.2
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.75 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-13 presents the results
10 of the floodplain soil samples collected from tax parcel 29-89. Figure 4-6 presents the locations
11 of the floodplain soil samples collected from tax parcel 29-89.

Table 4-13

**Floodplain Soil PCB Results for Tax Parcel 29-89
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 7.50E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001770	7.50E-01	J	0 - 0.5
FL001770	4.50E-01	J	0.5 - 1

J = estimated detected value

See Figure 4-6

1 **4.2.1.13 Tax Parcel: 29-88**

2 Tax parcel 29-88 is a residential property and is approximately 0.29 acre. Approximately 0.18
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.64 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-14 presents the results
10 of the floodplain soil samples collected from tax parcel 29-88. Figure 4-6 presents the locations
11 of the floodplain soil samples collected from tax parcel 29-88.

Table 4-14

**Floodplain Soil PCB Results for Tax Parcel 29-88
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 6.40E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001751	1.50E-01		0.5 - 1
FL001751	6.40E-01		0 - 0.5

See Figure 4-6

1 **4.2.1.14 Tax Parcel: 29-87**

2 Tax parcel 29-87 is a residential property and is approximately 0.29 acre. Approximately 0.19
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. All of these samples had detected PCB concentrations. The maximum detected
8 PCB concentration was 1.04 mg/kg. This concentration does not exceed the residential high-
9 contact floodplain soil SRBC of 2 mg/kg; therefore, this property was eliminated from further
10 consideration. Table 4-15 presents the results of the floodplain soil samples collected from tax
11 parcel 29-87. Figure 4-6 presents the locations of the floodplain soil samples collected from tax
12 parcel 29-87.

Table 4-15

**Floodplain Soil PCB Results for Tax Parcel 29-87
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.04E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001410	8.11E-01		0 - 0.5
FL001410	4.55E-01	J	0.5 - 1
FL001410*	1.04E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 4-6

1 **4.2.1.15 Tax Parcel: 29-86**

2 Tax parcel 29-86 is a residential property and is approximately 0.44 acre. Approximately 0.29
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.896 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-16 presents the results
10 of the floodplain soil samples collected from tax parcel 29-86. Figure 4-6 presents the locations
11 of the floodplain soil samples collected from tax parcel 29-86.

Table 4-16

**Floodplain Soil PCB Results for Tax Parcel 29-86
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 8.96E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001564	3.19E-01	J	0.5 - 1
FL001564	8.96E-01	J	0 - 0.5

J = estimated detected value

See Figure 4-6

1 **4.2.1.16 Tax Parcel: 29-85**

2 Tax parcel 29-85 is a residential property and is approximately 0.46 acre. Approximately 0.3
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Currently, no floodplain soil samples were taken from this property. There is a detected PCB
7 concentration on a nearby property that exceeds the residential high-contact floodplain soil
8 SRBC of 2 mg/kg; therefore, based on discussion between GE and U.S. EPA, tax parcel 29-85
9 will be transferred to GE for further evaluation. Figure 4-6 presents the location of tax parcel
10 29-85.

1 **4.2.1.17 Tax Parcel: 29-84**

2 Tax parcel 29-84 is a residential property and is approximately 0.63 acres in area. Approximately
3 0.31 acre lies within the 100-year floodplain and is considered high-contact residential property.
4 This property extends to the riverbank.

5 **Floodplain Soil**

6 Currently, no floodplain soil samples have been taken from this property. There is a detected
7 PCB concentration on a nearby property that exceeds the residential high-contact floodplain soil
8 SRBC of 2 mg/kg; therefore, based on discussions between GE and U.S. EPA, tax parcel 29-84
9 will be transferred to GE for further evaluation. Figure 4-6 presents the location of tax parcel
10 29-84.

1 **4.2.1.18 Tax Parcel: 29-83**

2 Tax parcel 29-83 is a residential property and is approximately 0.43 acre. Approximately 0.12
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 5.6 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-17 presents the results of
10 the floodplain soil samples collected from tax parcel 29-83. Figure 4-6 presents the locations of
11 the floodplain soil samples collected from tax parcel 29-83.

Table 4-17

**Floodplain Soil PCB Results for Tax Parcel 29-83
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 5.60E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001752	6.20E-01	J	0.5 - 1
FL001752	5.60E+00	J	0 - 0.5

J = estimated detected value

See Figure 4-6

1 **4.2.1.19 Tax Parcel: 29-82**

2 Tax parcel 29-82 is a residential property and is approximately 0.24 acre. Approximately 0.07
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.54 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-18 presents the results
10 of the floodplain soil samples collected from tax parcel 29-82. Figure 4-6 presents the locations
11 of the floodplain soil samples collected from tax parcel 29-82.

Table 4-18

**Floodplain Soil PCB Results for Tax Parcel 29-82
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 5.40E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001753	2.30E-01	J	0.5 - 1
FL001753	5.40E-01	J	0 - 0.5

J = estimated detected value

See Figure 4-6

1 **4.2.1.20 Tax Parcel: 29-81**

2 Tax parcel 29-81 is a residential property and is approximately 0.25 acre. Approximately 0.06
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 1.16 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-19 presents the results
10 of the floodplain soil samples collected from tax parcel 29-81. Figure 4-6 presents the locations
11 of the floodplain soil samples collected from tax parcel 29-81.

Table 4-19

**Floodplain Soil PCB Results for Tax Parcel 29-81
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.16E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001411	1.14E+00		0 - 0.5
FL001411	1.16E+00		0.5 - 1

See Figure 4-6

1 **4.2.1.21 Tax Parcel: 29-80**

2 Tax parcel 29-80 is a residential property and is approximately 0.76 acre. Approximately 0.23
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this tax parcel. Neither of these samples
7 had detected PCB concentrations. Based on these results, this property was eliminated from
8 further consideration. Table 4-20 presents the results of the floodplain soil samples collected
9 from tax parcel 29-80. Figure 4-6 presents the locations of the floodplain soil samples collected
10 from tax parcel 29-80.

Table 4-20

**Floodplain Soil PCB Results for Tax Parcel 29-80
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: ND

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001513	5.02E-01	U	0 - 0.5
FL001513	5.01E-01	U	0.5 - 1

ND = not detected

U = not detected at reported value

See Figure 4-6

1 **4.2.1.22 Tax Parcel: 29-78 and 29-79**

2 Tax parcels 29-78 and 29-79 are residential properties and are owned by the same resident. The
3 total area of these parcels is approximately 1.43 acres. Approximately 0.54 acre lies within the
4 100-year floodplain and is considered high-contact residential property. This property extends to
5 the riverbank.

6 **Floodplain Soil**

7 Four floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
8 detected PCB concentrations. The maximum detected PCB concentration was 2.1 mg/kg. This
9 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
10 this property will be transferred to GE for further evaluation. Table 4-21 presents the results of
11 the floodplain soil samples collected from tax parcels 29-78 and 29-79. Figure 4-7 presents the
12 locations of the floodplain soil samples collected from tax parcels 29-78 and 29-79.

Table 4-21

**Floodplain Soil PCB Results for Tax Parcels 29-78 and 29-79
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 2.10E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001796	1.40E+00	J	0 - 0.5
FL001796	5.50E-01	J	0.5 - 1
FL001795	2.10E+00	J	0 - 0.5
FL001795	4.00E-01	J	0.5 - 1

J = estimated detected value

See Figure 4-7

1 **4.2.1.23 Tax Parcel: 29-77**

2 Tax parcel 29-77 is a residential property and is approximately 1.1 acres. Approximately 0.25
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 1.38 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-22 presents the results
10 of the floodplain soil samples collected from tax parcel 29-77. Figure 4-7 presents the locations
11 of the floodplain soil samples collected from tax parcel 29-77.

Table 4-22

**Floodplain Soil PCB Results for Tax Parcel 29-77
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.38E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001409	1.38E+00		0 - 0.5
FL001409	5.69E-01		0.5 - 1

See Figure 4-7

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1 **4.2.1.24 Tax Parcel: 29-76**

2 Tax parcel 29-76 is a residential property and is approximately 0.5 acre. Approximately 0.17
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Currently, no floodplain soil samples were taken from this property. There is a detected PCB
7 concentration on a nearby high-contact residential property that exceeds the residential high-
8 contact floodplain soil SRBC of 2 mg/kg. As a result, GE will be performing additional sampling
9 on this nearby property (tax parcel 29-75). The results of the GE sampling on tax parcel 29-75
10 will be evaluated and 29-76 will be transferred to GE for thorough PCB sampling if the sample
11 results indicate PCB concentrations greater than 2 mg/kg. If the results indicate that PCB
12 concentrations are very low (i.e., less than 2 mg/kg) on this adjacent property (29-75), tax parcel
13 29-76 will be eliminated from further consideration. Figure 4-7 presents the location of tax
14 parcel 29-76.

1 **4.2.1.25 Tax Parcel: 29-75**

2 Tax parcel 29-75 is a residential property and is approximately 1.1 acres. Approximately 0.37
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Five floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 2.32 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-23 presents the results of
10 the floodplain soil samples collected from tax parcel 29-75. Figure 4-7 presents the locations of
11 the floodplain soil samples collected from tax parcel 29-75.

Table 4-23

**Floodplain Soil PCB Results for Tax Parcel 29-75
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 2.32E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001623	5.57E-01		0 - 0.5
FL001623	1.46E+00		0.5 - 1
F2277001	2.32E+00		0 - 0.5
F2277002	1.11E+00		0 - 0.5
F2277003	1.14E+00		0 - 0.5

See Figure 4-7

1 **4.2.1.26 Tax Parcel: 29-74**

2 Tax parcel 29-74 is a residential property and is approximately 1.9 acres. Approximately 0.86
3 acre lies within the 100-year floodplain and is considered high-contact residential. This property
4 extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 2.22 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-24 presents the results of
10 the floodplain soil samples collected from tax parcel 29-74. Figure 4-7 presents the locations of
11 the floodplain soil samples collected from tax parcel 29-74.

Table 4-24

**Floodplain Soil PCB Results for Tax Parcel 29-74
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 2.22E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001510	2.22E+00		0 - 0.5
FL001510	1.93E+00		0.5 - 1

See Figure 4-7

1 **4.2.1.27 Tax Parcel: 29-73**

2 Tax parcel 29-73 is a residential property and is approximately 0.53 acre. Approximately 0.28
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 3.7 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-25 presents the results of
10 the floodplain soil samples collected from tax parcel 29-73. Figure 4-7 presents the locations of
11 the floodplain soil samples collected from tax parcel 29-73.

Table 4-25

**Floodplain Soil PCB Results for Tax Parcel 29-73
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 3.70E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001754	3.70E+00	J	0.5 - 1
FL001754	2.10E+00	J	0 - 0.5

J = estimated detected value

See Figure 4-7

1 **4.2.1.28 Tax Parcel: 29-72**

2 Tax parcel 29-72 is a residential property and is approximately 0.67 acre. Approximately 0.28
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 7.75 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-26 presents the results of
10 the floodplain soil samples collected from tax parcel 29-72. Figure 4-7 presents the locations of
11 the floodplain soil samples collected from tax parcel 29-72.

Table 4-26

**Floodplain Soil PCB Results for Tax Parcel 29-72
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 7.75E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001514	7.75E+00		0 - 0.5
FL001514	1.91E+00		0.5 - 1

See Figure 4-7

1 **4.2.1.29 Tax Parcel: 29-70**

2 Tax parcel 29-70 is a residential property and is approximately 0.48 acre. Approximately 0.19
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 3.52 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-27 presents the results of
10 the floodplain soil samples collected from tax parcel 29-70. Figure 4-7 presents the locations of
11 the floodplain soil samples collected from tax parcel 29-70.

Table 4-27

**Floodplain Soil PCB Results for Tax Parcel 29-70
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 3.52E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001223	3.52E+00	J	0.5 - 1
FL001223	3.44E+00	J	0 - 0.5

J = estimated detected value

See Figure 4-7

1 **4.2.1.30 Tax Parcel: 29-65**

2 Tax parcel 29-65 is a residential property and is approximately 1.2 acres. Approximately 0.61
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, three
7 had detected PCB concentrations. The maximum detected PCB concentration was 0.615 mg/kg.
8 This concentration does not exceed the residential high-contact floodplain soil SRBC of 2
9 mg/kg; therefore, this property was eliminated from further consideration. Table 4-28 presents
10 the results of the floodplain soil samples collected from tax parcel 29-65. Figure 4-7 presents the
11 locations of the floodplain soil samples collected from tax parcel 29-65.

Table 4-28

**Floodplain Soil PCB Results for Tax Parcel 29-65
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 6.15E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001224	6.15E-01	J	0.5 - 1
FL001224	3.60E-01	J	0 - 0.5
FL001491	5.08E-01	U	0.5 - 1
FL001491	9.40E-02		0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 4-7

1 **4.2.1.31 Tax Parcel: 29-64**

2 Tax parcel 29-64 is a residential property and is approximately 0.36 acre. Approximately 0.34
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.74 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-29 presents the results
10 of the floodplain soil samples collected from tax parcel 29-64. Figure 4-7 presents the locations
11 of the floodplain soil samples collected from tax parcel 29-64.

Table 4-29

**Floodplain Soil PCB Results for Tax Parcel 29-64
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 7.40E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001755	7.40E-01	J	0.5 - 1
FL001755	5.00E-01	J	0 - 0.5

J = estimated detected value

See Figure 4-7

1 **4.2.1.32 Tax Parcel: 29-63**

2 Tax parcel 29-63 is a residential property and is approximately 1.23 acres. Approximately 1.2
3 acres lie within the 100-year floodplain and are considered high-contact residential property.
4 This property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.727 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-30 presents the results
10 of the floodplain soil samples collected from tax parcel 29-63. Figure 4-7 presents the locations
11 of the floodplain soil samples collected from tax parcel 29-63.

Table 4-30

**Floodplain Soil PCB Results for Tax Parcel 29-63
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 7.27E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001511	7.27E-01		0 - 0.5
FL001511	3.92E-01	J	0.5 - 1

J = estimated detected value

See Figure 4-7

1 **4.2.1.33 Tax Parcel: 29-62**

2 Tax parcel 29-62 is a residential property and is approximately 0.89 acre. Approximately 0.88
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Three floodplain soil samples (0 to 0.5 ft) were taken from this property. All of these samples
7 had detected PCB concentrations. The maximum detected PCB concentration was 1.14 mg/kg.
8 This concentration does not exceed the residential high-contact floodplain soil SRBC of 2
9 mg/kg; therefore, this property was eliminated from further consideration. Table 4-31 presents
10 the results of the floodplain soil samples collected from tax parcel 29-62. Figure 4-7 presents the
11 locations of the floodplain soil samples collected from tax parcel 29-62.

Table 4-31

**Floodplain Soil PCB Results for Tax Parcel 29-62
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.14E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
F2377501	3.62E-01	J	0 - 0.5
F2377502	4.74E-01	J	0 - 0.5
F2377503	1.14E+00	J	0 - 0.5

J = estimated detected value

See Figure 4-7

1 **4.2.1.34 Tax Parcel: 29-61**

2 Tax parcel 29-61 is a residential property and is approximately 0.51 acre. Approximately 0.5
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. All of these samples had detected PCB concentrations. The maximum detected
8 PCB concentration was 0.78 mg/kg. This concentration does not exceed the residential high-
9 contact floodplain soil SRBC of 2 mg/kg; therefore, this property was eliminated from further
10 consideration. Table 4-32 presents the results of the floodplain soil samples collected from tax
11 parcel 29-61. Figure 4-7 presents the locations of the floodplain soil samples collected from tax
12 parcel 29-61.

Table 4-32

**Floodplain Soil PCB Results for Tax Parcel 29-61
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 7.80E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001769	7.60E-01	J	0.5 - 1
FL001769	7.80E-01	J	0 - 0.5
FL001769*	2.40E-01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 4-7

1 **4.2.1.35 Tax Parcel: 29-60**

2 Tax parcel 29-60 is a residential property and is approximately 2.231 acres. Approximately 2.229
3 acres lie within the 100-year floodplain and are considered high-contact residential property.
4 This property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 2.38 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-33 presents the results of
10 the floodplain soil samples collected from tax parcel 29-60. Figure 4-7 presents the locations of
11 the floodplain soil samples collected from tax parcel 29-60.

Table 4-33

**Floodplain Soil PCB Results for Tax Parcel 29-60
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 2.38E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001512	5.78E-01		0.5 - 1
FL001512	2.38E+00		0 - 0.5

See Figure 4-7

1 **4.2.1.36 Tax Parcel: 26A-61**

2 Tax parcel 26A-61 is a residential property and is approximately 0.74 acre. Approximately 0.09
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. One of these samples had a
7 detected PCB concentration. The detected PCB concentration was 0.049 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-34 presents the results
10 of the floodplain soil samples collected from tax parcel 26A-61. Figure 4-8 presents the locations
11 of the floodplain soil samples collected from tax parcel 26A-61.

Table 4-34

**Floodplain Soil PCB Results for Tax Parcel 26A-61
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 4.90E-02

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001756	2.00E-02	U	0.5 - 1
FL001756	4.90E-02	J	0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 4-8

1 **4.2.1.37 Tax Parcel: 26A-60**

2 Tax parcel 26A-60 is a residential property and is approximately 1.4 acres. Approximately 0.27
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 1.2 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-35 presents the results
10 of the floodplain soil samples collected from tax parcel 26A-60. Figure 4-8 presents the locations
11 of the floodplain soil samples collected from tax parcel 26A-60.

Table 4-35

**Floodplain Soil PCB Results for Tax Parcel 26A-60
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.20E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001757	1.20E+00	J	0 - 0.5
FL001757	3.60E-02	J	0.5 - 1

J = estimated detected value

See Figure 4-8

1 **4.2.1.38 Tax Parcel: 26A-58**

2 Tax parcel 26A-58 is a residential property and is approximately 1.1 acres. Approximately 0.56
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.53 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-36 presents the results
10 of the floodplain soil samples collected from tax parcel 26A-58. Figure 4-8 presents the locations
11 of the floodplain soil samples collected from tax parcel 26A-58.

Table 4-36

**Floodplain Soil PCB Results for Tax Parcel 26A-58
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 5.30E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001758	1.10E-01	J	0.5 - 1
FL001758	5.30E-01	J	0 - 0.5

J = estimated detected value

See Figure 4-8

1 **4.2.1.39 Tax Parcel: 26A-56**

2 Tax parcel 26A-56 is a residential property and is approximately 0.6 acre. Approximately 0.28
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.73 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-37 presents the results
10 of the floodplain soil samples collected from tax parcel 26A-56. Figure 4-8 presents the locations
11 of the floodplain soil samples collected from tax parcel 26A-56.

Table 4-37

**Floodplain Soil PCB Results for Tax Parcel 26A-56
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 7.30E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001759	1.10E-01	J	0.5 - 1
FL001759	7.30E-01	J	0 - 0.5

J = estimated detected value

See Figure 4-8

1 **4.2.1.40 Tax Parcel: 26A-55**

2 Tax parcel 26A-55 is a residential property and is approximately 0.8 acre. Approximately 0.5
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Three floodplain soil samples (0 to 0.5 ft) and one duplicate floodplain soil sample were taken
7 from this property. Of these samples, two had detected PCB concentrations. The maximum
8 detected PCB concentration was 1.36 mg/kg. This concentration does not exceed the residential
9 high-contact floodplain soil SRBC of 2 mg/kg; therefore, this property was eliminated from
10 further consideration. Table 4-38 presents the results of the floodplain soil samples collected
11 from tax parcel 26A-55. Figure 4-8 presents the locations of the floodplain soil samples collected
12 from tax parcel 26A-55.

Table 4-38

**Floodplain Soil PCB Results for Tax Parcel 26A-55
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.36E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
F2478501	5.03E-01	UJ	0 - 0.5
F2478501*	5.02E-01	UJ	0 - 0.5
F2478502	4.23E-01	J	0 - 0.5
F2478503	1.36E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

UJ = estimated nondetected value

See Figure 4-8

1 **4.2.1.41 Tax Parcel: 26A-54**

2 Tax parcel 26A-54 is a residential property and is approximately 0.7 acre. Approximately 0.06
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 1.0 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-39 presents the results
10 of the floodplain soil samples collected from tax parcel 26A-54. Figure 4-8 presents the locations
11 of the floodplain soil samples collected from tax parcel 26A-54.

Table 4-39

**Floodplain Soil PCB Results for Tax Parcel 26A-54
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.00E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001760	2.60E-01	J	0.5 - 1
FL001760	1.00E+00	J	0 - 0.5

J = estimated detected value

See Figure 4-8

1 **4.2.1.42 Tax Parcel: 26A-53**

2 Tax parcel 26A-53 is a residential property and is approximately 0.8 acre. Approximately 0.09
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 2.5 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-40 presents the results of
10 the floodplain soil samples collected from tax parcel 26A-53. Figure 4-8 presents the locations of
11 the floodplain soil samples collected from tax parcel 26A-53.

Table 4-40

**Floodplain Soil PCB Results for Tax Parcel 26A-53
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 2.50E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001761	1.50E+00	J	0.5 - 1
FL001761	2.50E+00	J	0 - 0.5

J = estimated detected value

See Figure 4-8

1 **4.2.1.43 Tax Parcel: 26A-52**

2 Tax parcel 26A-52 is a residential property and is approximately 1.6 acres. Approximately 0.1
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from areas on this property where flooding
7 occurs. Both of these samples had detected PCB concentrations. The maximum detected PCB
8 concentration was 0.2 mg/kg. This concentration does not exceed the residential high-contact
9 floodplain soil SRBC of 2 mg/kg; therefore, this property was eliminated from further
10 consideration. Table 4-41 presents the results of the floodplain soil samples collected from tax
11 parcel 26A-52. Figure 4-8 presents the locations of the floodplain soil samples collected from tax
12 parcel 26A-52.

Table 4-41

**Floodplain Soil PCB Results for Tax Parcel 26A-52
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 2.00E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001762	2.00E-01	J	0 - 0.5
FL001762	2.60E-02	J	0.5 - 1

J = estimated detected value

See Figure 4-8

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1 **4.2.1.44 Tax Parcel: 26A-51**

2 Tax parcel 26A-51 is a residential property and is approximately 2.1 acres in area.
3 Approximately 0.13 acre lies within the 100-year floodplain, all of which is considered high-
4 contact residential property. This property extends to the riverbank.

5 **Floodplain Soil**

6 Currently, no floodplain soil samples have been taken from this property. There are detected
7 PCB concentrations on two nearby high-contact residential properties that exceed the residential
8 high-contact floodplain soil SRBC of 2 mg/kg. As a result, GE will be performing additional
9 sampling on these nearby properties (tax parcels 26A-53 and 26A-41). The results of the GE
10 sampling on tax parcels 26A-53 and 26A-41 will be evaluated, and 26A-51 will be transferred to
11 GE for additional PCB sampling if the sample results indicate PCB concentrations greater than 2
12 mg/kg. If the results indicate that PCB concentrations are very low (i.e., less than 2 mg/kg) on
13 these adjacent properties (26A-53 and 26A-41), tax parcel 26A-51 will be eliminated from
14 further consideration. Figure 4-8 presents the location of tax parcel 26A-51.

1 **4.2.1.45 Tax Parcel: 26A-50.01**

2 Tax parcel 26A-50.01 is a residential property and is approximately 1.2 acres. Approximately 0.2
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.8 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-42 presents the results
10 of the floodplain soil samples collected from tax parcel 26A-50.01. Figure 4-8 presents the
11 locations of the floodplain soil samples collected from tax parcel 26A-50.01.

Table 4-42

**Floodplain Soil PCB Results for Tax Parcel 26A-50.01
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 8.00E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001763	8.00E-01	J	0 - 0.5
FL001763	3.80E-01	J	0.5 - 1

J = estimated detected value

See Figure 4-8

1 **4.2.1.46 Tax Parcel: 26A-41**

2 Tax parcel 26A-41 is a residential property and is approximately 0.6 acre. Approximately 0.08
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 2.18 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-43 presents the results of
10 the floodplain soil samples collected from tax parcel 26A-41. Figure 4-8 presents the locations of
11 the floodplain soil samples collected from tax parcel 26A-41.

Table 4-43

**Floodplain Soil PCB Results for Tax Parcel 26A-41
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 2.18E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001200	2.18E+00		0 - 0.5
FL001200	1.65E+00		0.5 - 1

See Figure 4-8

1 **4.2.1.47 Tax Parcel: 26A-40**

2 Tax parcel 26A-40 is a residential property and is approximately 0.84 acre. Approximately 0.1
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, two had
7 detected PCB concentrations. The maximum detected PCB concentration was 4.7 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-44 presents the results of
10 the floodplain soil samples collected from tax parcel 26A-40. Figure 4-8 presents the locations of
11 the floodplain soil samples collected from tax parcel 26A-40.

Table 4-44

**Floodplain Soil PCB Results for Tax Parcel 26A-40
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 4.70E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001550	5.00E-01	U	0.5 - 1
FL001550	5.00E-01	U	0 - 0.5
FL001815	1.30E+00		0.5 - 1
FL001815	4.70E+00		0 - 0.5

U = not detected at reported value

See Figure 4-8

1 **4.2.1.48 Tax Parcel: 26A-40.01**

2 Tax parcel 26A-40.01 is a residential property and is approximately 0.8 acre. Approximately 0.1
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.23 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-45 presents the results
10 of the floodplain soil samples collected from tax parcel 26A-40.01. Figure 4-8 presents the
11 locations of the floodplain soil samples collected from tax parcel 26A-40.01.

Table 4-45

**Floodplain Soil PCB Results for Tax Parcel 26A-40.01
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 2.30E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001764	2.30E-01	J	0 - 0.5
FL001764	6.00E-02	J	0.5 - 1

J = estimated detected value

See Figure 4-8

1 **4.2.1.49 Tax Parcel: 26A-36.01**

2 Tax parcel 26A-36.01 is a residential property and is approximately 0.9 acre. Approximately 0.3
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 1.4 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-46 presents the results
10 of the floodplain soil samples collected from tax parcel 26A-36.01. Figure 4-8 presents the
11 locations of the floodplain soil samples collected from tax parcel 26A-36.01.

Table 4-46

**Floodplain Soil PCB Results for Tax Parcel 26A-36.01
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.40E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001798	9.10E-01	J	0.5 - 1
FL001798	1.40E+00	J	0 - 0.5

J = estimated detected value

See Figure 4-8

1 **4.2.1.50 Tax Parcel: 26A-36**

2 Tax parcel 26A-36 is a residential property and is approximately 0.8 acre. Approximately 0.3
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) and two duplicate floodplain soil samples were taken
7 from this property. All of these samples had detected PCB concentrations. The maximum
8 detected PCB concentration was 0.92 mg/kg. This concentration does not exceed the residential
9 high-contact floodplain soil SRBC of 2 mg/kg; therefore, this property was eliminated from
10 further consideration. Table 4-47 presents the results of the floodplain soil samples collected
11 from tax parcel 26A-36. Figure 4-8 presents the locations of the floodplain soil samples collected
12 from tax parcel 26A-36.

Table 4-47

**Floodplain Soil PCB Results for Tax Parcel 26A-36
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 9.20E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001765	9.00E-01	J	0 - 0.5
FL001765*	9.20E-01	J	0 - 0.5
FL001765	5.00E-01	J	0.5 - 1
FL001792*	9.10E-01	J	0 - 0.5
FL001792	2.50E-01	J	0.5 - 1
FL001792	7.20E-01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 4-8

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1 **4.2.1.51 Tax Parcel: 26A-36.02**

2 Tax parcel 26A-36.02 is a residential property and is approximately 0.6 acre in area.
3 Approximately 0.25 acre lies within the 100-year floodplain and is considered high-contact
4 residential property. This property extends to the riverbank.

5 **Floodplain Soil**

6 Currently, no floodplain soil samples were taken from this property. All samples on the adjacent
7 properties located directly upstream and downstream of 26A-36.02 had detected concentrations
8 less than the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore, based on
9 discussion between GE and U.S. EPA, tax parcel 26A-36.02 will be eliminated from further
10 consideration. Figure 4-8 presents the location of tax parcel 26A-36.02 and shows the PCB
11 results from nearby properties.

1 **4.2.1.52 Tax Parcel: 26A-32**

2 Tax parcel 26A-32 is a residential property and is approximately 2.2 acres. Approximately 1.0
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. All of these samples had detected PCB concentrations. The maximum detected
8 PCB concentration was 1.0 mg/kg. This concentration does not exceed the residential high-
9 contact floodplain soil SRBC of 2 mg/kg; therefore, this property was eliminated from further
10 consideration. Table 4-48 presents the results of the floodplain soil samples collected from tax
11 parcel 26A-32. Figure 4-8 presents the locations of the floodplain soil samples collected from tax
12 parcel 26A-32.

Table 4-48

**Floodplain Soil PCB Results for Tax Parcel 26A-32
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.00E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001766	1.00E+00	J	0 - 0.5
FL001766*	5.40E-01	J	0.5 - 1
FL001766	4.30E-01	J	0.5 - 1

* = duplicate sample

J = estimated detected value

See Figure 4-8

1 **4.2.1.53 Tax Parcel: 26A-27**

2 Tax parcel 26A-27 is a residential property and is approximately 0.4 acre. Approximately 0.09
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.96 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-49 presents the results
10 of the floodplain soil samples collected from tax parcel 26A-27. Figure 4-8 presents the locations
11 of the floodplain soil samples collected from tax parcel 26A-27.

Table 4-49

**Floodplain Soil PCB Results for Tax Parcel 26A-27
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 9.60E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001767	2.50E-01	J	0.5 - 1
FL001767	9.60E-01	J	0 - 0.5

J = estimated detected value

See Figure 4-8

1 **4.2.1.54 Tax Parcel: 26A-26.01**

2 Tax parcel 26A-26.01 is a residential property and is approximately 2.4 acres. Approximately 1.0
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 3.8 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-50 presents the results of
10 the floodplain soil samples collected from tax parcel 26A-26.01. Figure 4-8 presents the
11 locations of the floodplain soil samples collected from tax parcel 26A-26.01.

Table 4-50

**Floodplain Soil PCB Results for Tax Parcel 26A-26.01
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 3.80E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001768	3.80E+00	J	0.5 - 1
FL001768	1.80E+00	J	0 - 0.5

J = estimated detected value

See Figure 4-8

1 **4.2.1.55 Tax Parcel: 26A-24**

2 Tax parcel 26A-24 is a residential property and is approximately 2.7 acres. Approximately 0.6
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 2.27 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-51 presents the results of
10 the floodplain soil samples collected from tax parcel 26A-24. Figure 4-8 presents the locations of
11 the floodplain soil samples collected from tax parcel 26A-24.

Table 4-51

**Floodplain Soil PCB Results for Tax Parcel 26A-24
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 2.27E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001516	1.39E+00		0 - 0.5
FL001516	2.27E+00		0.5 - 1

See Figure 4-8

1 **4.2.1.56 Tax Parcel: 26-84**

2 Tax parcel 26-84 is a residential property and is approximately 2.6 acres. Approximately 1.6
3 acres lie within the 100-year floodplain and are considered high-contact residential property.
4 This property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. Of these samples, four had detected PCB concentrations. The maximum detected
8 PCB concentration was 1.78 mg/kg. This concentration does not exceed the residential high-
9 contact floodplain soil SRBC of 2 mg/kg; therefore, this property was eliminated from further
10 consideration. Table 4-52 presents the results of the floodplain soil samples collected from tax
11 parcel 26-84. Figure 4-9 presents the locations of the floodplain soil samples collected from tax
12 parcel 26-84.

Table 4-52

**Floodplain Soil PCB Results for Tax Parcel 26-84
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.78E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001202	9.87E-01		0 - 0.5
FL001202	9.03E-01	J	0.5 - 1
FL001202*	1.78E+00	J	0.5 - 1
FL001520	9.98E-01		0 - 0.5
FL001520	5.01E-01	U	0.5 - 1

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-9

1 **4.2.1.57 Tax Parcel: 21-65**

2 Tax parcel 21-65 is a residential property and is approximately 0.9 acre. Approximately 0.25
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. All of these samples had detected PCB concentrations. The maximum detected
8 PCB concentration was 0.36 mg/kg. This concentration does not exceed the residential high-
9 contact floodplain soil SRBC of 2 mg/kg; therefore, this property was eliminated from further
10 consideration. Table 4-53 presents the results of the floodplain soil samples collected from tax
11 parcel 21-65. Figure 4-9 presents the locations of the floodplain soil samples collected from tax
12 parcel 21-65.

Table 4-53

**Floodplain Soil PCB Results for Tax Parcel 21-65
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 3.60E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001771	3.60E-01	J	0 - 0.5
FL001771*	1.00E-01	J	0.5 - 1
FL001771	1.30E-01	J	0.5 - 1

* = duplicate sample

J = estimated detected value

See Figure 4-9

1 **4.2.1.58 Tax Parcel: 21-64**

2 Tax parcel 21-64 is a residential property and is approximately 1.5 acres. Approximately 0.2 acre
3 lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.42 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-54 presents the results
10 of the floodplain soil samples collected from tax parcel 21-64. Figure 4-9 presents the locations
11 of the floodplain soil samples collected from tax parcel 21-64.

Table 4-54

**Floodplain Soil PCB Results for Tax Parcel 21-64
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 4.20E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001772	4.20E-01	J	0 - 0.5
FL001772	7.80E-02	J	0.5 - 1

J = estimated detected value

See Figure 4-9

1 **4.2.1.59 Tax Parcel: 21-63**

2 Tax parcel 21-63 is a residential property and is approximately 1.5 acres. Approximately 0.5 acre
3 lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. All of these samples had detected PCB concentrations. The maximum detected
8 PCB concentration was 0.962 mg/kg. This concentration does not exceed the residential high-
9 contact floodplain soil SRBC of 2 mg/kg; therefore, this property was eliminated from further
10 consideration. Table 4-55 presents the results of the floodplain soil samples collected from tax
11 parcel 21-63. Figure 4-9 presents the locations of the floodplain soil samples collected from tax
12 parcel 21-63.

Table 4-55

**Floodplain Soil PCB Results for Tax Parcel 21-63
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 9.62E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001519*	4.09E-01	J	0.5 - 1
FL001519	3.58E-01	J	0.5 - 1
FL001519	9.62E-01		0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 4-9

1 **4.2.1.60 Tax Parcel: 20-13**

2 Tax parcel 20-13 is a residential property and is approximately 1.0 acre. The entire property area
3 lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Four floodplain soil samples (0 to 1 ft) were taken from this property. None of these samples had
7 detected PCB concentrations. Based on these results, this property was eliminated from further
8 consideration. Table 4-56 presents the results of the floodplain soil samples collected from tax
9 parcel 20-13. Figure 4-10 presents the locations of the floodplain soil samples collected from tax
10 parcel 20-13.

Table 4-56

**Floodplain Soil PCB Results for Tax Parcel 20-13
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: ND

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001247	5.00E-01	U	0 - 0.5
FL001247	5.01E-01	U	0.5 - 1
FL001524	5.00E-01	U	0 - 0.5
FL001524	5.01E-01	U	0.5 - 1

ND = not detected

U = not detected at reported value

See Figure 4-10

1 **4.2.1.61 Tax Parcel: 20A-43**

2 Tax parcel 20A-43 is a residential property and is approximately 1.4 acres. Approximately 1.1
3 acres lie within the 100-year floodplain and are considered high-contact residential property.
4 This property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. All of these samples had detected PCB concentrations. The maximum detected
8 PCB concentration was 3.08 mg/kg. This concentration exceeds the residential high-contact
9 floodplain soil SRBC of 2 mg/kg; therefore, this property will be transferred to GE for further
10 evaluation. Table 4-57 presents the results of the floodplain soil samples collected from tax
11 parcel 20A-43. Figure 4-11 presents the locations of the floodplain soil samples collected from
12 tax parcel 20A-43.

Table 4-57

**Floodplain Soil PCB Results for Tax Parcel 20A-43
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 3.08E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001218	2.50E+00	J	0 - 0.5
FL001218	3.08E+00	J	0.5 - 1
FL001218*	2.58E+00	J	0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 4-11

1 **4.2.1.62 Tax Parcel: 20A-42**

2 Tax parcel 20A-42 is a residential property and is approximately 0.94 acre. Approximately 0.7
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. One of these samples had a
7 detected PCB concentration. The detected PCB concentration was 0.15 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg.
9 There are detected PCB concentrations on an adjacent high-contact residential property that
10 exceed the 2 mg/kg SRBC. As a result, GE will be performing additional sampling on this
11 property (tax parcel 20A-43). The results of the GE sampling on tax parcel 20A-43 will be
12 evaluated and 20A-42 will be transferred to GE for additional PCB sampling if the sample
13 results indicate PCB concentrations greater than 2 mg/kg. If the results indicate that PCB
14 concentrations are very low (i.e., less than 2 mg/kg) on this adjacent property (20A-43), tax
15 parcel 20A-42 will be eliminated from further consideration. Table 4-58 presents the results of
16 the floodplain soil samples collected from tax parcel 20A-42. Figure 4-11 presents the locations
17 of the floodplain soil samples collected from tax parcel 20A-42.

Table 4-58

**Floodplain Soil PCB Results for Tax Parcel 20A-42
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.50E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001775	1.50E-01	J	0 - 0.5
FL001775	2.10E-02	UJ	0.5 - 1

J = estimated detected value

UJ = estimated nondetected value

See Figure 4-11

1 **4.2.1.63 Tax Parcel: 20A-38**

2 Tax parcel 20A-38 is a residential property and is approximately 1.4 acres. Approximately 0.94
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. None of these samples had detected PCB concentrations. Based on these results,
8 this property was eliminated from further consideration. Table 4-59 presents the results of the
9 floodplain soil samples collected from tax parcel 20A-38. Figure 4-11 presents the locations of
10 the floodplain soil samples collected from tax parcel 20A-38.

Table 4-59

**Floodplain Soil PCB Results for Tax Parcel 20A-38
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: ND

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001219*	7.00E-01	UJ	0 - 0.5
FL001219	5.06E-01	UJ	0 - 0.5
FL001219	5.05E-01	UJ	0.5 - 1

* = duplicate sample

ND = not detected

UJ = estimated nondetected value

See Figure 4-11

1 **4.2.1.64 Tax Parcel: 20A-37**

2 Tax parcel 20A-37 is a residential property and is approximately 0.6 acre. Approximately 0.34
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Neither of these samples
7 had detected PCB concentrations. Based on these results, this property was eliminated from
8 further consideration. Table 4-60 presents the results of the floodplain soil samples collected
9 from tax parcel 20A-37. Figure 4-11 presents the locations of the floodplain soil samples
10 collected from tax parcel 20A-37.

Table 4-60

**Floodplain Soil PCB Results for Tax Parcel 20A-37
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: ND

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001505	5.04E-01	U	0.5 - 1
FL001505	5.05E-01	U	0 - 0.5

ND = not detected

U = not detected at reported value

See Figure 4-11

1 **4.2.1.65 Tax Parcel: 20A-34**

2 Tax parcel 20A-34 is a residential property and is approximately 0.58 acre. Approximately 0.22
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. Of these samples, one had detected PCB concentration. The detected concentration
8 was 0.12 mg/kg. This concentration does not exceed the residential high-contact floodplain soil
9 SRBC of 2 mg/kg; therefore, this property was eliminated from further consideration. Table 4-61
10 presents the results of the floodplain soil samples collected from tax parcel 20A-34. Figure 4-11
11 presents the locations of the floodplain soil samples collected from tax parcel 20A-34.

Table 4-61

**Floodplain Soil PCB Results for Tax Parcel 20A-34
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.20E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001776	2.10E-02	UJ	0 - 0.5
FL001776*	2.10E-02	UJ	0 - 0.5
FL001776	1.20E-01	J	0.5 - 1

* = duplicate sample

J = estimated detected value

UJ = estimated nondetected value

See Figure 4-11

1 **4.2.1.66 Tax Parcel: 20A-33**

2 Tax parcel 20A-33 is a residential property is approximately 0.66 acre. Approximately 0.09 acre
3 lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. One of these samples had a
7 detected PCB concentration. The detected PCB concentration was 0.292 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-62 presents the results
10 of the floodplain soil samples collected from tax parcel 20A-33. Figure 4-11 presents the
11 locations of the floodplain soil samples collected from tax parcel 20A-33.

Table 4-62

**Floodplain Soil PCB Results for Tax Parcel 20A-33
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 2.92E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001622	5.00E-01	U	0 - 0.5
FL001622	2.92E-01	J	0.5 - 1

J = estimated detected value

U = not detected at reported value

See Figure 4-11

1 **4.2.1.67 Tax Parcel: 20-4**

2 Tax parcel 20-4 is a residential property and is approximately 52 acres. Approximately 16 acres
3 lie within the 100-year floodplain, 6.1 acres of which are considered high-contact residential
4 property. This property extends to the riverbank.

5 **Floodplain Soil**

6 Five floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. Of these samples, two had detected PCB concentrations. This maximum detected
8 PCB concentration was 2.8 mg/kg. This concentration exceeds the residential high-contact
9 floodplain soil SRBC of 2 mg/kg; therefore, this property will be transferred to GE for further
10 evaluation. Table 4-63 presents the results of the floodplain soil samples collected from tax
11 parcel 20-4. Figure 4-12 presents the locations of the floodplain soil samples collected from tax
12 parcel 20-4.

Table 4-63

**Floodplain Soil PCB Results for Tax Parcel 20-4
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 2.80E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001696	1.50E+00		0.5 - 1
FL001696	2.80E+00		0 - 0.5
F2883004	5.10E-01	U	0 - 0.5
F2883005	5.12E-01	U	0 - 0.5
F2883005*	5.39E-01	U	0 - 0.5
F2883006	5.12E-01	U	0 - 0.5

* = duplicate sample

U = not detected at reported value

See Figure 4-12

1 **4.2.1.68 Tax Parcel: 9-54.02**

2 Tax parcel 9-54.02 is a residential property and is approximately 1.7 acres. Approximately 0.1
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 3.2 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-64 presents the results of
10 the floodplain soil samples collected from tax parcel 9-54.02. Figure 4-13 presents the locations
11 of the floodplain soil samples collected from tax parcel 9-54.02.

Table 4-64

**Floodplain Soil PCB Results for Tax Parcel 9-54.02
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 3.20E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001563	3.20E+00		0 - 0.5
FL001563	1.68E+00		0.5 - 1

See Figure 4-13

1 **4.2.1.69 Tax Parcel: 9-54.01**

2 Tax parcel 9-54.01 is a residential property and is approximately 6.3 acres. Approximately 0.25
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 1.21 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg.
9 There is a detected PCB concentration on a nearby high-contact residential property that exceeds
10 the residential high-contact floodplain soil SRBC of 2 mg/kg. As a result, GE will be performing
11 additional sampling on this nearby property (tax parcel 9-54.02). The results of the GE sampling
12 on tax parcel 9-54.02 will be evaluated and 9-54.01 will be transferred to GE for additional PCB
13 sampling along with parcel 9-54.02 if the sample results indicate PCB concentrations greater
14 than 2 mg/kg. If the results indicate that PCB concentrations are very low (i.e., less than 2
15 mg/kg) on this nearby property (9-54.02), tax parcel 9-54.01 will be eliminated from further
16 consideration. Table 4-65 presents the results of the floodplain soil samples collected from tax
17 parcel 9-54.01. Figure 4-13 presents the locations of the floodplain soil samples collected from
18 tax parcel 9-54.01.

Table 4-65

**Floodplain Soil PCB Results for Tax Parcel 9-54.01
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.21E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001582	1.21E+00		0 - 0.5
FL001582	8.85E-01		0.5 - 1

See Figure 4-13

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1 **4.2.1.70 Tax Parcel: 9-56.03**

2 Tax parcel 9-56.03 is a residential property and is approximately 3.6 acres. Approximately 0.64
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Currently, no floodplain soil samples were taken from this property. There is a detected PCB
7 concentration on a nearby high-contact residential property that exceeds the residential high-
8 contact floodplain soil SRBC of 2 mg/kg. As a result, GE will be performing additional sampling
9 on this nearby property (tax parcel 9-54.02). The results of the GE sampling on tax parcel 9-
10 54.02 will be evaluated, and 9-56.03 will be transferred to GE for thorough PCB sampling if the
11 sample results indicate PCB concentrations greater than 2 mg/kg. If the results indicate that PCB
12 concentrations are very low (i.e., less than 2 mg/kg) on this adjacent property (9-54.02), tax
13 parcel 9-56.03 will be eliminated from further consideration. Figure 4-13 presents the location of
14 tax parcel 9-56.03.

1 **4.2.1.71 Tax Parcel: 9-56.01**

2 Tax parcel 9-56.01 is a residential property and is approximately 3.9 acres. Approximately 1.5
3 acres lie within the 100-year floodplain and are considered high-contact residential property.
4 This property extends to the riverbank.

5 **Floodplain Soil**

6 Six floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, three had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.39 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-66 presents the results
10 of the floodplain soil samples collected from tax parcel 9-56.01. Figure 4-13 presents the
11 locations of the floodplain soil samples collected from tax parcel 9-56.01.

Table 4-66

**Floodplain Soil PCB Results for Tax Parcel 9-56.01
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 3.90E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001521	3.90E-01	J	0 - 0.5
FL001521	5.01E-01	U	0.5 - 1
FL001522	2.90E-02	J	0.5 - 1
FL001522	3.24E-01	J	0 - 0.5
FL001523	5.01E-01	U	0 - 0.5
FL001523	5.02E-01	U	0.5 - 1

J = estimated detected value

U = not detected at reported value

See Figure 4-13

1 **4.2.1.72 Tax Parcel: 9-56.02**

2 Tax parcel 9-56.02 is a residential property and is approximately 3.3 acres. Approximately 0.5
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Currently, no floodplain soil samples were taken from this property. There is a detected PCB
7 concentration on a nearby property that exceeds the residential high-contact floodplain soil
8 SRBC of 2 mg/kg; therefore, based on discussion between GE and U.S. EPA, tax parcel 9-56.02
9 will be transferred to GE for further evaluation. Figure 4-13 presents the location of tax parcel
10 9-56.02.

1 **4.2.1.73 Tax Parcel: 9-57**

2 Tax parcel 9-57 is a residential property and is approximately 2.1 acres in area. Approximately
3 0.37 acre lies within the 100-year floodplain and is considered high-contact residential property.
4 This property extends to the riverbank.

5 **Floodplain Soil**

6 Currently, no floodplain soil samples were taken from this property. There is a detected PCB
7 concentration on a nearby property that exceeds the residential high-contact floodplain soil
8 SRBC of 2 mg/kg; therefore, based on discussion between GE and U.S. EPA, tax parcel 9-57
9 will be transferred to GE for further evaluation. Figure 4-13 presents the location of tax parcel 9-
10 57.

1 **4.2.1.74 Tax Parcel: 9-43**

2 Tax parcel 9-43 is a residential property and is approximately 0.434 acre. Approximately 0.431
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.419 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-67 presents the results
10 of the floodplain soil samples collected from tax parcel 9-43. Figure 4-14 presents the locations
11 of the floodplain soil samples collected from tax parcel 9-43.

Table 4-67

**Floodplain Soil PCB Results for Tax Parcel 9-43
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 4.19E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001567	4.19E-01	J	0.5 - 1
FL001567	3.08E-01	J	0 - 0.5

J = estimated detected value

See Figure 4-14

1 **4.2.1.75 Tax Parcel: 9-39**

2 Tax parcel 9-39 is a residential property and is approximately 0.93 acre. Approximately 0.6 acre
3 lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. One of these samples had
7 detected a PCB concentration. The detected PCB concentration was 0.503 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-68 presents the results
10 of the floodplain soil samples collected from tax parcel 9-39. Figure 4-14 presents the locations
11 of the floodplain soil samples collected from tax parcel 9-39.

Table 4-68

**Floodplain Soil PCB Results for Tax Parcel 9-39
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 5.03E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001412	5.12E-01	U	0 - 0.5
FL001412	5.03E-01		0.5 - 1

U = not detected at reported value

See Figure 4-14

1 **4.2.1.76 Tax Parcel: 9-38**

2 Tax parcel 9-38 is a residential property and is approximately 0.7 acre. Approximately 0.45 acre
3 lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Neither of these samples
7 had detected PCB concentrations. Based on these results, this property was eliminated from
8 further consideration. Table 4-69 presents the results of the floodplain soil samples collected
9 from tax parcel 9-38. Figure 4-14 presents the locations of the floodplain soil samples collected
10 from tax parcel 9-38.

Table 4-69

**Floodplain Soil PCB Results for Tax Parcel 9-38
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: ND

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001580	5.02E-01	U	0.5 - 1
FL001580	5.02E-01	U	0 - 0.5

ND = not detected

U = not detected at reported value

See Figure 4-14

1 **4.2.1.77 Tax Parcel: 9-37**

2 Tax parcel 9-37 is a residential property and is approximately 0.77 acre. Approximately 0.76
3 acre lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Three floodplain soil samples (0 to 1 ft) were taken from this property. Of these samples, two
7 had detected PCB concentrations. The maximum detected PCB concentration was 0.511 mg/kg.
8 This concentration does not exceed the residential high-contact floodplain soil SRBC of 2
9 mg/kg; therefore, this property was eliminated from further consideration. Table 4-70 presents
10 the results of the floodplain soil samples collected from tax parcel 9-37. Figure 4-14 presents the
11 locations of the floodplain soil samples collected from tax parcel 9-37.

Table 4-70

**Floodplain Soil PCB Results for Tax Parcel 9-37
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 5.11E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
F2984001	5.08E-01	U	0 - 0.5
F2984002	3.42E-01	J	0 - 0.5
F2984003	5.11E-01	J	0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 4-14

1 **4.2.1.78 Tax Parcel: 5-31**

2 Tax parcel 5-31 is a residential property and is approximately 1.0 acre in area. Approximately
3 0.6 acre lies within the 100-year floodplain and is considered high-contact residential property.
4 This property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.7 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-71 presents the results
10 of the floodplain soil samples collected from tax parcel 5-31. Figure 4-15 presents the locations
11 of the floodplain soil samples collected from tax parcel 5-31.

Table 4-71

**Floodplain Soil PCB Results for Tax Parcel 5-31
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 7.00E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001820	7.00E-01		0 - 0.5
FL001820	6.70E-02		0.5 - 1

See Figure 4-15

1 **4.2.1.79 Tax Parcel: 5-23**

2 Tax parcel 5-23 is a residential property and is approximately 3.0 acres. Approximately 2.3 acres
3 lie within the 100-year floodplain and are considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Eight floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
7 this property. Of these samples, seven had detected PCB concentrations. The maximum detected
8 PCB concentration was 1.89 mg/kg. This concentration does not exceed the residential high-
9 contact floodplain soil SRBC of 2 mg/kg; therefore, this property was eliminated from further
10 consideration. Table 4-72 presents the results of the floodplain soil samples collected from tax
11 parcel 5-23. Figure 4-15 presents the locations of the floodplain soil samples collected from tax
12 parcel 5-23.

Table 4-72

**Floodplain Soil PCB Results for Tax Parcel 5-23
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.89E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000979	1.89E+00		0 - 0.5
FL000979	7.06E-01		0.5 - 1
FL001232	1.79E+00		0 - 0.5
FL001232	1.64E+00		0.5 - 1
FL001232*	1.71E+00		0 - 0.5
FL001240	5.70E-01		0 - 0.5
FL001240	5.03E-01	U	0.5 - 1
FL001428	5.04E-01	U	0.5 - 1
FL001428	8.87E-01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-15

1 **4.2.1.80 Tax Parcel: 5-22**

2 Tax parcel 5-22 is a residential property and is approximately 0.9 acre. Approximately 0.4 acre
3 lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.727 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg. It
9 was observed during a visit to parcel 5-22 that the lone sampling location was not in an area that
10 is subject to frequent flooding by the river. Based on discussion between GE and U.S. EPA, tax
11 parcel 5-22 will be transferred to GE for further evaluation. Table 4-73 presents the results of the
12 floodplain soil samples collected from tax parcel 5-22. Figure 4-15 presents the locations of the
13 floodplain soil samples collected from tax parcel 5-22.

Table 4-73

**Floodplain Soil PCB Results for Tax Parcel 5-22
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 7.27E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000980	7.27E-01		0 - 0.5
FL000980	3.31E-01	J	0.5 - 1

J = estimated detected value

See Figure 4-15

1 **4.2.1.81 Tax Parcel: 6-1**

2 Tax parcel 6-1 is a residential property and is approximately 0.7 acre. Approximately 0.23 acre
3 lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.13 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-74 presents the results
10 of the floodplain soil samples collected from tax parcel 6-1. Figure 4-15 presents the locations of
11 the floodplain soil samples collected from tax parcel 6-1.

Table 4-74

**Floodplain Soil PCB Results for Tax Parcel 6-1
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.30E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001783	1.30E-01	J	0 - 0.5
FL001783	1.10E-01	J	0.5 - 1

J = estimated detected value

See Figure 4-15

1 **4.2.1.82 Tax Parcel: 6-2**

2 Tax parcel 6-2 is a residential property and is approximately 0.6 acre. Approximately 0.24 acre
3 lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Two floodplain soil samples (0 to 1 ft) were taken from this property. Both of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 0.12 mg/kg. This
8 concentration does not exceed the residential high-contact floodplain soil SRBC of 2 mg/kg;
9 therefore, this property was eliminated from further consideration. Table 4-75 presents the results
10 of the floodplain soil samples collected from tax parcel 6-2. Figure 4-15 presents the locations of
11 the floodplain soil samples collected from tax parcel 6-2.

Table 4-75

**Floodplain Soil PCB Results for Tax Parcel 6-2
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 1.20E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001784	1.20E-01	J	0 - 0.5
FL001784	9.50E-02	J	0.5 - 1

J = estimated detected value

See Figure 4-15

1 **4.2.1.83 Tax Parcel: 6-3**

2 Tax parcel 6-3 is a residential property and is approximately 0.61 acre. Approximately 0.4 acre
3 lies within the 100-year floodplain and is considered high-contact residential property. This
4 property extends to the riverbank.

5 **Floodplain Soil**

6 Three floodplain soil samples (0 to 1 ft) were taken from this property. All of these samples had
7 detected PCB concentrations. The maximum detected PCB concentration was 4.02 mg/kg. This
8 concentration exceeds the residential high-contact floodplain soil SRBC of 2 mg/kg; therefore,
9 this property will be transferred to GE for further evaluation. Table 4-76 presents the results of
10 the floodplain soil samples collected from tax parcel 6-3. Figure 4-15 presents the locations of
11 the floodplain soil samples collected from tax parcel 6-3.

Table 4-76

**Floodplain Soil PCB Results for Tax Parcel 6-3
(Results in mg/kg; Depth in feet)**

High-Contact Residential Area

Maximum Detected Concentration: 4.02E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
F3186501	4.02E+00		0 - 0.5
F3186502	1.90E+00		0 - 0.5
F3186503	1.07E+00		0 - 0.5

See Figure 4-15

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1 **4.2.2 All Other Land Use Areas**

2 This evaluation focuses on all exposure areas in Reaches 7 and 8 that do not meet the high-
3 contact residential criteria. As noted earlier, larger exposure areas were included in this
4 evaluation. Typically, these exposure areas consist of a single land use (e.g., low-contact
5 recreational). However, in cases where multiple land uses were grouped together, the most
6 sensitive land use was assumed for this screening evaluation. Of the 57 floodplain soil exposure
7 areas, 17 had detected concentrations (maximum detected concentration and EPC) of PCBs that
8 exceeded the applicable floodplain soil SRBCs. Table 4-77 lists the floodplain soil exposure
9 areas, the town in which the exposure area is located, the land use(s), the bank designation (east
10 or west), the ID numbers for the tax parcels that are located within each exposure area, the table
11 and figure references, and the results of the Phase 1 screening analysis. Figure 4-16 presents an
12 index of all Reach 7 and 8 non-high-contact residential floodplain soil exposure area maps.

1
2
3
4

Table 4-77

**Summary of the Floodplain Exposure Area
Phase 1 Screening Results**

Floodplain Soil Exposure Area	Town	Land Use(s)*	Bank Designation	Tax Parcel ID(s)	Table/Figure Reference	Screening Result
1	Lenox	LC Rec; C/I	West	4-64, 4-65, 4-66, 4-72	Table 4-78; Figure 4-17	Eliminated
2	Lenox/Lee	C/I	East	2-2A, 2-1B, 2-6A, 2-6, 2-4A, 2-4, 2-32, 2-34	Table 4-79; Figure 4-17	Eliminated
3	Lenox	LC Res; HC Rec	West	38-44, 38-45, 38-48, 38-49, 2-30, 2-29	Table 4-80; Figure 4-18	Retained
4	Lenox	LC Rec; C/I	East	2-31, 2-42	Table 4-81; Figure 4-18	Retained
5	Lee	LC Res	East	8-38	Table 4-82; Figure 4-19	Retained
6	Lee	LC Rec	West	8-1	Table 4-83; Figure 4-19	Eliminated
7	Lee	LC Res	West	8-35, 8-44	Table 4-84; Figure 4-19	Eliminated
8	Lee	HC Rec; C/I	East	8-50, 13-1, 12A-63, 12A-64, 12A-65	Table 4-85; Figure 4-20	Retained
9	Lee	LC Res; LC Rec	West	7-49A, 8-49	Table 4-86; Figure 4-20	Retained
10	Lee	HC Rec	West	12-205, 12A-64, 12A-65	Table 4-87; Figure 4-20	Retained
11	Lee	C/I	East	12A-87, 12A-88, 12A-89	Table 4-88; Figure 4-21	Eliminated
12	Lee	LC Res	East	12A-97, 12A-98, 12A-99	Table 4-89; Figure 4-21	Eliminated
13	Lee	LC Res; HC Rec; C/I	West	12A-52, 12A-51, 18A-21A, 18A-123, 18A-60	Table 4-90; Figure 4-21	Retained
14	Lee	C/I	East	12A-104	Table 4-91; Figure 4-21	Eliminated
15	Lee	LC Res; C/I	East	18A-44, 18A-46, 18A-48, 18A-50A, 18A-50, 18A-51, 18A-61, 18A-62	Table 4-92; Figure 4-21	Eliminated
16	Lee	C/I; HC Rec	East	18A-118	Table 4-93; Figure 4-22	Eliminated

Table 4-77

**Summary of the Floodplain Exposure Area
Phase 1 Screening Results
(Continued)**

Floodplain Soil Exposure Area	Town	Land Use(s)*	Bank Designation	Tax Parcel ID(s)	Table/Figure Reference	Screening Result
17	Lee	HC Rec	East	18A-120A, 18A-121, 19A-90	Table 4-94; Figure 4-22	Eliminated
18	Lee	HC Rec	East	19-1	Table 4-95; Figure 4-22	Eliminated
19	Lee	HC Rec	West	18A-118A	Table 4-96; Figure 4-22	Eliminated
20	Lee	LC Rec	West	18-190, 18-82	Table 4-97; Figure 4-22	Eliminated
21	Lee	LC Rec; C/I	East	19-2, 19-8, 19-5	Table 4-98; Figure 4-22	Retained
22	Lee	C/I	East	19-10, 19-11, 19-12A, 19-12	Table 4-99; Figure 4-22	Eliminated
23	Lee	HC Rec	West	25-6	Table 4-100; Figure 4-23	Retained
24	Lee	C/I	East	25-105, 25-7, 25-8, 25-32	Table 4-101; Figure 4-23	Eliminated
25	Lee	LC Res; HC Rec	West	25-37, 25-39, 25-41, 25-43, 25-45, 25-48, 25-50, 25-89, 25-100	Table 4-102; Figure 4-24	Eliminated
26	Lee	LC Res; HC Rec	East	25-54, 25-55, 25-56, 25-91	Table 4-103; Figure 4-24	Eliminated
27	Lee	C/I	West	25-101, 25-103	Table 4-104; Figure 4-24	Eliminated
28	Lee	LC Rec; C/I	West	31-7, 31-2, 31-5, 31-15, 30-81, 35-17	Table 4-105; Figure 4-25	Eliminated
29	Lee	Ag	East	31-7, 31-2	Table 4-106; Figure 4-25	Eliminated
30	Lee	LC Rec	East	35-17, 31-12	Table 4-107; Figure 4-25	Eliminated
31	Lee	Ag; LC Rec	East	35-17A, 35-5A, 35-2, 35-1A	Table 4-108; Figure 4-26	Retained
32	Lee	HC Rec	East	35-1	Table 4-109; Figure 4-26	Retained
33	Lee	C/I	West	30-72	Table 4-110; Figure 4-26	Eliminated
34	Lee	LC Res; HC Rec	West	30-71, 29-90	Table 4-111; Figure 4-26	Eliminated
35	Lee	LC Rec	East	29-93A	Table 4-112; Figure 4-27	Retained

Table 4-77

**Summary of the Floodplain Exposure Area
Phase 1 Screening Results
(Continued)**

Floodplain Soil Exposure Area	Town	Land Use(s)*	Bank Designation	Tax Parcel ID(s)	Table/Figure Reference	Screening Result
36	Lee	C/I	East	29-68, 29-91	Table 4-113; Figure 4-27	Eliminated
37	Stockbridge	LC Rec; C/I	West	25-9, 25-8, 25-8-01, 26-87	Table 4-114; Figure 4-28	Eliminated
38	Stockbridge	LC Rec	East	25-86, 26-83	Table 4-115; Figure 4-28	Eliminated
39	Stockbridge	HC Rec	West	26A-16, 26A-15-02	Table 4-116; Figure 4-28	Eliminated
40	Stockbridge	HC Rec	West	21-62	Table 4-117; Figure 4-29	Retained
41	Stockbridge	C/I	East	21-59, 21-60	Table 4-118; Figure 4-29	Eliminated
42	Stockbridge	LC Res	West	21-61, 20B-33, 20B-14, 20B-13, 20B-12, 20B-11, 20B-5, 20B-6, 20B-4	Table 4-119; Figure 4-29	Eliminated
43	Stockbridge	LC Rec	East	21-61, 21-22, 20B-14, 21-1-01	Table 4-120; Figure 4-29	Eliminated
44	Stockbridge	HC Rec; C/I	East/West	20-16, 20-15, 20-14, 20-13-01, 20-21, 20-23, 20-24, 20B-52, 20-22, 20-25, 20A-27, 20A-25	Table 4-121; Figure 4-30	Retained
45	Stockbridge	LC Rec; C/I	West	20-27-01, 20-27, 20-2	Table 4-122; Figure 4-30	Eliminated
46	Stockbridge	LC Rec	West	20-1-1, 9-51, 9-52	Table 4-123; Figure 4-31	Eliminated
47	Stockbridge	LC Rec	East	9-53	Table 4-124; Figure 4-31	Eliminated
48	Stockbridge	LC Rec	East	9-59	Table 4-125; Figure 4-32	Retained
49	Stockbridge	LC Rec	West	9-58, 9-56.05, 9-45, 9-44.01, 9-44	Table 4-126; Figure 4-32	Eliminated
50	Stockbridge	HC Rec	West	9-42, 9-41	Table 4-127; Figure 4-32	Eliminated
51	Stockbridge	LC Res	West	8-30, 8-28, 8-25.01, 8-26	Table 4-128; Figure 4-33	Retained
52	Stockbridge	LC Rec	West	8-35, 5-7, 6-13.01	Table 4-129; Figure 4-33	Eliminated
53	Stockbridge	LC Rec	East	8-25, 5-7, 5-12	Table 4-130; Figure 4-33	Retained
54	Great Barrington	C/I	West	2-22, 2-50, 2-51	Table 4-131; Figure 4-34	Eliminated

Table 4-77

**Summary of the Floodplain Exposure Area
Phase 1 Screening Results
(Continued)**

Floodplain Soil Exposure Area	Town	Land Use(s)*	Bank Designation	Tax Parcel ID(s)	Table/Figure Reference	Screening Result
55	Great Barrington	CI	East	2-24, 2-23B, 2-23, 2-48, 2-49, 2-52	Table 4-132; Figure 4-34	Eliminated
56	Great Barrington	HC Rec; C/I	East	2-58, 2-66, 2-75, 4-10, 4-9	Table 4-133; Figure 4-35	Eliminated
57	Great Barrington	LC Res; HC Rec	West	2-53, 2-54, 2-55, 2-56, 2-57, 2-57A, 3-84, 4-42, 5-8	Table 4-134; Figure 4-35	Eliminated

- 1
- 2 *Ag = agricultural
- 3 C/I = commercial/industrial
- 4 HC Rec = high-contact recreational
- 5 LC Rec = low-contact recreational
- 6 LC Res = low-contact residential
- 7
- 8 Eliminated – Eliminated from consideration.
- 9
- 10 Retained – Retained for further evaluation in Phase 2.
- 11

1 **4.2.2.1 Floodplain Soil Exposure Area 1**

2 Floodplain Soil Exposure Area 1 consists of tax parcels 4-64, 4-65, 4-66, and 4-72, located on
3 the west bank of the river in the Town of Lenox. It is approximately 12 acres in area.
4 Approximately 9.5 acres lie within the 100-year floodplain and extend to the riverbank. The
5 primary land uses for this exposure area are low-contact recreational and commercial/industrial.
6 This evaluation focuses on low-contact recreational because it is the most sensitive land use.

7 **Floodplain Soil**

8 Three floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
9 from this exposure area. One of these samples had detected PCB concentration. The detected
10 PCB concentration was 0.02 mg/kg. This concentration does not exceed the low-contact
11 recreational SRBC of 7 mg/kg; therefore, this exposure area was eliminated from further
12 consideration. Table 4-78 presents the results of the floodplain soil samples collected from
13 Floodplain Soil Exposure Area 1. Figure 4-17 presents the locations of the floodplain soil
14 samples collected from Floodplain Soil Exposure Area 1.

Table 4-78

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 1
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational and Commercial/Industrial Area

Maximum Detected Concentration: 2.00E-02

Low-Contact Recreational SRBC: 7.00E+00

Commercial/Industrial SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
F1468001	5.03E-01	U	0 - 0.5
F1468001*	5.03E-01	U	0 - 0.5
F1468002	2.00E-02	J	0 - 0.5
F1468003	5.01E-01	U	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-17

1 **4.2.2.2 Floodplain Soil Exposure Area 2**

2 Floodplain Soil Exposure Area 2 consists of tax parcels 2-2A, 2-1B, 2-6A, 2-6, 2-4A, 2-4, 2-34,
3 and 2-32, located on the east bank of the river in the towns of Lenox and Lee. It is approximately
4 122 acres. Approximately 5.3 acres lie within the 100-year floodplain and extend to the
5 riverbank. The land use for this exposure area is commercial/industrial.

6 **Floodplain Soil**

7 Three floodplain soil samples (0 to 1 ft) were taken from this exposure area. All of these samples
8 had detected PCB concentrations. The maximum detected PCB concentration was 3.22 mg/kg.
9 This concentration does not exceed the commercial/industrial floodplain soil SRBC of 20 mg/kg;
10 therefore, this exposure area was eliminated from further consideration. Table 4-79 presents the
11 results of the floodplain soil samples collected from Floodplain Soil Exposure Area 2. Figure
12 4-17 presents the locations of the floodplain soil samples collected from Floodplain Soil
13 Exposure Area 2.

Table 4-79

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 2
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Area

Maximum Detected Concentration: 3.22E+00

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
F1468004	1.64E+00		0 - 0.5
F1468005	1.82E+00	J	0 - 0.5
F1468006	3.22E+00	J	0 - 0.5

J = estimated detected value

See Figure 4-17

1 **4.2.2.3 Floodplain Soil Exposure Area 3**

2 Floodplain Soil Exposure Area 3 consists of tax parcels 38-44, 38-45, 38-48, 38-49, 2-30, and 2-
3 29, which are located on the west bank of the river in the Town of Lenox. It is approximately 28
4 acres. Approximately 2.1 acres lie within the 100-year floodplain and extend to the riverbank.
5 The land uses for this exposure area are low-contact residential and high-contact recreational.

6 **Floodplain Soil**

7 Five floodplain soil samples (0 to 1 ft) were taken from this exposure area. Of these samples, one
8 had a detected PCB concentration. The detected PCB concentration was 5.54 mg/kg. This
9 concentration exceeds both the residential low-contact and recreational high-contact floodplain
10 soil SRBCs of 5 mg/kg. The 95% UCL for this area was 163 mg/kg. The maximum detected
11 concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC against
12 the SRBC indicates that this area will require further evaluation. Table 4-80 presents the
13 floodplain soil samples collected from Floodplain Soil Exposure Area 3. Figure 4-18 presents the
14 locations of the floodplain soil samples collected from Floodplain Soil Exposure Area 3.

15

Table 4-80

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 3
(Results in mg/kg; Depth in feet)**

Low-Contact Residential and High-Contact Recreational Area

Maximum Detected Concentration: 5.54E+00

Data Distribution: Default (lognormal)

95% UCL: 1.63E+02

EPC: 5.54E+00

Low-Contact Residential SRBC: 5.00E+00

High-Contact Recreational SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001405	5.14E-01	U	0.5 - 1
FL001405	5.08E-01	U	0 - 0.5
F1569001	5.14E-01	U	0 - 0.5
F1569002	5.09E-01	U	0 - 0.5
F1569003	5.54E+00		0 - 0.5

U = not detected at reported value

See Figure 4-18

1 **4.2.2.4 Floodplain Soil Exposure Area 4**

2 Floodplain Soil Exposure Area 4 consists of tax parcels 2-31 and 2-42, located on the east bank
3 of the river in the Town of Lenox. It is approximately 7.8 acres. Approximately 5.2 acres lie
4 within the 100-year floodplain and extend to the riverbank. The land uses for this exposure area
5 are low-contact recreational and commercial/industrial. This evaluation focuses on low-contact
6 recreational because it is the most sensitive land use.

7 **Floodplain Soil**

8 Thirteen floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
9 from this exposure area. Of these samples, eight had detected PCB concentrations. The
10 maximum detected PCB concentration was 12.7 mg/kg. This concentration exceeds the
11 recreational low-contact floodplain soil SRBC of 7 mg/kg. The 95% UCL for this area was 23.9
12 mg/kg. The maximum detected concentration is the EPC because it is less than the 95% UCL. A
13 comparison of the EPC against the SRBC indicates that this exposure area will require further
14 evaluation. Table 4-81 presents the results of the floodplain soil samples collected from
15 Floodplain Soil Exposure Area 4. Figure 4-18 presents the locations of the floodplain soil
16 samples collected from Floodplain Soil Exposure Area 4.

Table 4-81

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 4
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational and Commercial/Industrial Area

Maximum Detected Concentration: 1.27E+01
 Data Distribution: Default (lognormal)
 95% UCL: 2.39E+01
 EPC: 1.27E+01
 Low-Contact Recreational SRBC: 7.00E+00
 Commercial/Industrial SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001540	5.00E-01	U	0 - 0.5
FL001540	5.00E-01	U	0.5 - 1
FL001541	1.98E+00		0 - 0.5
FL001541	1.01E+00		0.5 - 1
FL001542	5.00E-01	U	0 - 0.5
FL001542*	5.01E-01	UJ	0.5 - 1
FL001542	6.07E+00	J	0.5 - 1
FL001543	5.01E-01	U	0 - 0.5
FL001543	1.27E+01		0.5 - 1
FL001725	1.20E+01		0 - 0.5
FL001725	7.40E+00		0.5 - 1
F1569004	8.69E-01		0 - 0.5
F1569005	6.62E-01		0 - 0.5
F1569006	5.01E-01	U	0 - 0.5

* = duplicate sample
 J = estimated detected value
 U = not detected at reported value
 UJ = estimated nondetected value
 See Figure 4-18

1 **4.2.2.5 Floodplain Soil Exposure Area 5**

2 Floodplain Soil Exposure Area 5 consists of the low-contact residential area of tax parcel 8-38
3 on the east bank of the river in the Town of Lee. It is approximately 10.1 acres. Approximately
4 8.8 acres lie within the 100-year floodplain and extend to the riverbank. The land use for this
5 exposure area is low-contact residential.

6 **Floodplain Soil**

7 Fourteen floodplain soil samples (0 to 1 ft) were taken from this exposure area. Of these samples,
8 11 had detected PCB concentrations. The maximum detected PCB concentration was 12.5
9 mg/kg. This concentration exceeds the residential low-contact floodplain soil SRBC of 5 mg/kg.
10 The 95% UCL for this area was 5.02 mg/kg. The 95% UCL is the EPC because it is less than the
11 maximum detected concentration. A comparison of the EPC against the SRBC indicates that this
12 exposure area will require further evaluation. Table 4-82 presents the results of the floodplain
13 soil samples collected from Floodplain Soil Exposure Area 5. Figure 4-19 presents the locations
14 of the floodplain soil samples collected from Floodplain Soil Exposure Area 5.

Table 4-82

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 5
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 1.25E+01

Data Distribution: Normal

95% UCL: 5.02E+00

EPC: 5.02E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000931	1.78E+00		0 - 0.5
FL000931	1.01E+00		0.5 - 1
FL000932	6.59E-01		0 - 0.5
FL000932	5.04E-01	U	0.5 - 1
FL001184	1.03E+00	J	0.5 - 1
FL001184	6.91E+00	J	0 - 0.5
FL001544	1.25E+01		0 - 0.5
FL001544	4.69E+00		0.5 - 1
FL001726	5.90E+00	J	0 - 0.5
FL001726	6.20E+00	J	0.5 - 1
FL001727	3.30E+00	J	0.5 - 1
FL001727	2.00E+00	J	0 - 0.5
F1569504	5.04E-01	U	0 - 0.5
F1569505	5.37E-01	U	0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 4-19

1 **4.2.2.6 Floodplain Soil Exposure Area 6**

2 Floodplain Soil Exposure Area 6 consists of tax parcel 8-1 on the west bank of the river in the
3 Town of Lee. It is approximately 62 acres. Approximately 3 acres lie within the 100-year
4 floodplain and extend to the riverbank. The land use for this exposure area is low-contact
5 recreational.

6 **Floodplain Soil**

7 Three floodplain soil samples (0 to 1 ft) were taken from this exposure area. All of these samples
8 had detected PCB concentrations. The maximum detected PCB concentration was 5.42 mg/kg.
9 This concentration does not exceed the recreational low-contact floodplain soil SRBC of 7
10 mg/kg; therefore, this exposure area was eliminated from further consideration. Table 4-83
11 presents the results of the floodplain soil samples collected from Floodplain Soil Exposure Area
12 6. Figure 4-19 presents the locations of the floodplain soil samples collected from Floodplain
13 Soil Exposure Area 6.

Table 4-83

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 6
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 5.42E+00

SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
F1569501	5.42E+00		0 - 0.5
F1569502	5.29E+00		0 - 0.5
F1569503	2.64E+00		0 - 0.5

See Figure 4-19

1 **4.2.2.7 Floodplain Soil Exposure Area 7**

2 Floodplain Soil Exposure Area 7 consists of tax parcels 8-35 and 8-44, located on the west bank
3 of the river in the Town of Lee. It is approximately 18.5 acres. Approximately 4.0 acres lie
4 within the 100-year floodplain and extend to the riverbank. The land use for this exposure area is
5 low-contact residential.

6 **Floodplain Soil**

7 Six floodplain soil samples (0 to 1 ft) were taken from this exposure area. Of these samples, five
8 had detected PCB concentrations. The maximum detected PCB concentration was 3.3 mg/kg.
9 This concentration does not exceed the residential low-contact floodplain soil SRBC of 5 mg/kg;
10 therefore, this exposure area was eliminated from further consideration. Table 4-84 presents the
11 results of the floodplain soil samples collected from Floodplain Soil Exposure Area 7. Figure 4-
12 19 presents the locations of the floodplain soil samples collected from Floodplain Soil Exposure
13 Area 7.

Table 4-84

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 7
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 3.30E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001728	3.30E+00		0 - 0.5
FL001728	2.40E+00		0.5 - 1
FL001586	2.00E-02	U	0.5 - 1
FL001586	5.38E-01		0 - 0.5
FL001587	3.48E-01	J	0 - 0.5
FL001587	2.70E-02	J	0.5 - 1

J = estimated detected value

U = not detected at reported value

See Figure 4-19

1 **4.2.2.8 Floodplain Soil Exposure Area 8**

2 Floodplain Soil Exposure Area 8 consists of tax parcels 8-50, 13-1, 12A-64, 12A-63, and 12A-
3 65, located on the east bank of the river in the Town of Lee. It is approximately 39 acres.
4 Approximately 19 acres lie within the 100-year floodplain and extend to the riverbank. The land
5 uses for this exposure area are high-contact recreational and commercial/industrial. This
6 evaluation focuses on high-contact recreational because it is the most sensitive land use.

7 **Floodplain Soil**

8 Thirty-three floodplain soil samples (0 to 1 ft) and two duplicate floodplain soil samples were
9 taken from this exposure area. Of these samples, 22 had detected PCB concentrations. The
10 maximum detected PCB concentration was 8.8 mg/kg. This concentration exceeds the
11 recreational high-contact floodplain soil SRBC of 5 mg/kg. The 95% UCL for this area was 5.29
12 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected concentration. A
13 comparison of the EPC against the SRBC indicates that this exposure area will require further
14 evaluation. Table 4-85 presents the results of the floodplain soil samples collected from
15 Floodplain Soil Exposure Area 8. Figure 4-20 presents the locations of the floodplain soil
16 samples collected from Floodplain Soil Exposure Area 8.

Table 4-85
Floodplain Soil PCB Results for Floodplain Soil Exposure Area 8
(Results in mg/kg; Depth in feet)

High-Contact Recreational and Commercial/Industrial Area

Maximum Detected Concentration: 8.80E+00
 Data Distribution: Default (lognormal)
 95% UCL: 5.29E+00
 EPC: 5.29E+00
 High-Contact Recreational SRBC: 5.00E+00
 Commercial/Industrial SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000933	1.20E+00		0.5 - 1
FL000933	4.30E+00		0 - 0.5
FL000934	1.02E+00		0.5 - 1
FL000934	8.15E-01		0 - 0.5
FL000935	5.01E-01	U	0.5 - 1
FL000935	4.98E+00		0 - 0.5
FL000936	5.05E-01	U	0.5 - 1
FL000936	1.88E+00		0 - 0.5
FL000937	5.02E-01	U	0.5 - 1
FL000937	1.06E+00		0 - 0.5
FL001185	4.04E+00	J	0 - 0.5
FL001185	7.70E+00	J	0.5 - 1
FL001483	3.10E-01	J	0 - 0.5
FL001483	5.30E-01		0.5 - 1
FL001484	5.00E-01	U	0.5 - 1
FL001484*	5.00E-01	U	0.5 - 1
FL001484	5.60E-02	J	0 - 0.5
FL001545	5.00E-01	U	0 - 0.5
FL001545	5.00E-01	U	0.5 - 1
FL001546	5.00E-01	U	0.5 - 1
FL001546	5.00E-01	U	0 - 0.5
FL001547	5.00E-01	U	0.5 - 1
FL001547	5.00E-01	U	0 - 0.5
FL001548	5.00E-01	U	0.5 - 1
FL001548	5.00E-01	U	0 - 0.5
FL001729	1.00E+00	J	0.5 - 1
FL001729*	1.40E+00	J	0 - 0.5
FL001729	1.50E+00	J	0 - 0.5
FL001730	4.20E+00	J	0.5 - 1
FL001730	8.10E+00	J	0 - 0.5
FL001731	8.80E+00	J	0 - 0.5
FL001731	6.10E+00	J	0.5 - 1
F1670504	2.44E+00		0 - 0.5
F1670505	3.78E+00		0 - 0.5
F1670506	3.72E+00		0 - 0.5

* = duplicate sample
 J = estimated detected value
 U = not detected at reported value
 See Figure 4-20

1 **4.2.2.9 Floodplain Soil Exposure Area 9**

2 Floodplain Soil Exposure Area 9 consists of tax parcels 7-49A and 8-49, located on the west
3 bank of the river in the Town of Lee. It is approximately 42 acres. Approximately 6 acres lie
4 within the 100-year floodplain and extend to the riverbank. The land use for this exposure area is
5 low-contact residential and low-contact recreational.

6 **Floodplain Soil**

7 Nine floodplain soil samples (0 to 1 ft) were taken from this exposure area. Of these samples,
8 seven had detected PCB concentrations. The maximum detected PCB concentration was 7.9
9 mg/kg. This concentration exceeds the residential low-contact and recreational low-contact
10 floodplain soil SRBCs of 5 and 7 mg/kg, respectively. The 95% UCL for this area was 21.3
11 mg/kg. The maximum detected concentration is the EPC because it is less than the 95% UCL. A
12 comparison of the EPC against the SRBC indicates that this exposure area will require further
13 evaluation. Table 4-86 presents the results of the floodplain soil samples collected from
14 Floodplain Soil Exposure Area 9. Figure 4-20 presents the locations of the floodplain soil
15 samples collected from Floodplain Soil Exposure Area 9.

Table 4-86

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 9
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 7.90E+00
 Data Distribution: Lognormal
 95% UCL: 2.13E+01
 EPC: 7.90E+00
 Low-Contact Residential SRBC: 5.00E+00
 Low-Contact Recreational SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001191	1.92E+00		0 - 0.5
FL001191	9.99E-01		0.5 - 1
FL001821	7.90E+00		0.5 - 1
FL001821	7.30E+00		0 - 0.5
FL001822	5.40E+00		0 - 0.5
FL001822	2.20E+00		0.5 - 1
F1670501	5.05E-01	U	0 - 0.5
F1670502	5.04E-01	U	0 - 0.5
F1670503	1.67E+00		0 - 0.5

U = not detected at reported value
 See Figure 4-20

1 **4.2.2.10 Floodplain Soil Exposure Area 10**

2 Floodplain Soil Exposure Area 10 consists of tax parcels 12-205, 12A-64, and 12A-65, located
3 on the west bank of the river in the Town of Lee. It is approximately 20 acres. Approximately
4 6.8 acres lie within the 100-year floodplain and extend to the riverbank. The land use for this
5 exposure area is high-contact recreational because of its proximity to residential areas.

6 **Floodplain Soil**

7 Eleven floodplain soil samples (0 to 1 ft) were taken from this exposure area. Of these samples,
8 seven had detected PCB concentrations. The maximum detected PCB concentration was 17.9
9 mg/kg. This concentration exceeds the recreational high-contact floodplain soil SRBC of 5
10 mg/kg. The 95% UCL for this area was 54.9 mg/kg. The maximum detected concentration is the
11 EPC because it is less than the 95% UCL. A comparison of the EPC against the SRBC indicates
12 that this exposure area will require further evaluation. Table 4-87 presents the results of the
13 floodplain soil samples collected from Floodplain Soil Exposure Area 10. Figure 4-20 presents
14 the locations of the floodplain soil samples collected from Floodplain Soil Exposure Area 10.

Table 4-87

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 10
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 1.79E+01
 Data Distribution: Default (lognormal)
 95% UCL: 5.49E+01
 EPC: 1.79E+01
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001482	5.00E-01	U	0 - 0.5
FL001482	5.00E-01	U	0.5 - 1
FL001732	9.80E-01	J	0.5 - 1
FL001732	2.40E+00	J	0 - 0.5
FL001733	5.40E-01	J	0 - 0.5
FL001733	6.70E-01	J	0.5 - 1
FL001549	5.00E-01	U	0 - 0.5
FL001549	5.00E-01	U	0.5 - 1
F1771001	1.79E+01		0 - 0.5
F1771002	9.79E+00		0 - 0.5
F1771003	9.06E+00		0 - 0.5

J = estimated detected value
 U = not detected at reported value
 See Figure 4-20

1 **4.2.2.11 Floodplain Soil Exposure Area 11**

2 Floodplain Soil Exposure Area 11 consists of tax parcels 12A-87, 12A-88, and 12A-89, located
3 on the east bank of the river in the Town of Lee. It is approximately 2.2 acres. Approximately
4 0.9 acres lie within the 100-year floodplain and extend to the riverbank. The land use for this
5 exposure area is commercial/industrial.

6 **Floodplain Soil**

7 Eight floodplain soil samples (0 to 1 ft) were taken from this exposure area. Of these samples,
8 three had detected PCB concentrations. The maximum detected PCB concentration was 5.35
9 mg/kg. This concentration does not exceed the commercial/industrial floodplain soil SRBC of 20
10 mg/kg; therefore, this exposure area was eliminated from further consideration. Table 4-88
11 presents the results of the floodplain soil samples collected from Floodplain Soil Exposure Area
12 11. Figure 4-21 presents the locations of the floodplain soil samples collected from Floodplain
13 Soil Exposure Area 11.

Table 4-88

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 11
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Area

Maximum Detected Concentration: 5.35E+00

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000939	5.50E-01		0 - 0.5
FL000939	5.35E+00		0.5 - 1
FL000938	4.64E-01	J	0.5 - 1
FL000938	5.00E-01	U	0 - 0.5
FL001481	5.00E-01	U	0 - 0.5
FL001481	5.00E-01	U	0.5 - 1
FL001527	5.01E-01	U	0 - 0.5
FL001527	5.00E-01	U	0.5 - 1

J = estimated detected value

U = not detected at reported value

See Figure 4-21

1 **4.2.2.12 Floodplain Soil Exposure Area 12**

2 Floodplain Soil Exposure Area 12 consists of tax parcels 12A-97, 12A-98, and 12A-99, located
3 on the east bank of the river in the Town of Lee. It is approximately 0.6 acres. Approximately
4 0.02 acres lie within the 100-year floodplain and extend to the riverbank. The land use for this
5 exposure area is low-contact residential.

6 **Floodplain Soil**

7 Four floodplain soil samples (0 to 1 ft) were taken from this exposure area. None of these
8 samples had detected PCB concentrations; therefore, this exposure area was eliminated from
9 further consideration. Table 4-89 presents the results of the floodplain soil samples collected
10 from Floodplain Soil Exposure Area 12. Figure 4-21 presents the locations of the floodplain soil
11 samples collected from Floodplain Soil Exposure Area 12.

Table 4-89

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 12
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: ND

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001528	5.01E-01	U	0 - 0.5
FL001528	5.01E-01	U	0.5 - 1
FL001529	5.01E-01	U	0 - 0.5
FL001529	5.01E-01	U	0.5 - 1

ND = not detected

U = not detected at reported value

See Figure 4-21

1 **4.2.2.13 Floodplain Soil Exposure Area 13**

2 Floodplain Soil Exposure Area 13 consists of tax parcels 12A-52, 12A-51, 18A-21A, 18A-123,
3 and 18A-60 located on the west bank of the river in the Town of Lee. It is approximately 18.6
4 acres. Approximately 12.6 acres lie within the 100-year floodplain and extend to the riverbank.
5 The land uses for this exposure area are low-contact residential, high-contact recreational, and
6 commercial/industrial. This evaluation focuses on low-contact residential and high-contact
7 recreational because they are the most sensitive land uses.

8 **Floodplain Soil**

9 Nine floodplain soil samples (0 to 1 ft) were taken from this exposure area. All of these samples
10 had detected PCB concentrations. The maximum detected PCB concentration was 14 mg/kg.
11 This concentration exceeds the residential low-contact and recreational high-contact floodplain
12 soil SRBCs of 5 mg/kg. The 95% UCL for this area was 390 mg/kg. The maximum detected
13 concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC against
14 the SRBC indicates that this exposure area will require further evaluation. Table 4-90 presents
15 the results of the floodplain soil samples collected from Floodplain Soil Exposure Area 13.
16 Figure 4-21 presents the locations of the floodplain soil samples collected from Floodplain Soil
17 Exposure Area 13.

Table 4-90

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 13
(Results in mg/kg; Depth in feet)**

Low-Contact Residential, High-Contact Recreational, and Commercial/Industrial Area

Maximum Detected Concentration: 1.40E+01

Data Distribution: Lognormal

95% UCL: 3.90E+02

EPC: 1.40E+01

Low-Contact Residential SRBC: 5.00E+00

High-Contact Recreational SRBC: 5.00E+00

Commercial/Industrial SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001814	5.30E-02		0 - 0.5
FL001814	3.10E-02		0.5 - 1
FL001734	4.30E-01	J	0.5 - 1
FL001734	3.50E-01	J	0 - 0.5
FL001825	1.40E+01		0.5 - 1
FL001825	1.10E+01		0 - 0.5
F1771503	7.99E-01		0 - 0.5
F1771501	1.45E+00		0 - 0.5
F1771502	2.18E+00		0 - 0.5

J = estimated detected value

See Figure 4-21

1 **4.2.2.14 Floodplain Soil Exposure Area 14**

2 Floodplain Soil Exposure Area 14 consists of tax parcel 12A-104, located on the east bank of the
3 river in the Town of Lee. It is approximately 5.0 acres. Approximately 1.8 acres lie within the
4 100-year floodplain and extend to the riverbank. The land use for this exposure area is
5 commercial/industrial.

6 **Floodplain Soil**

7 Nine floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
8 this exposure area. All of these samples had detected PCB concentrations. The maximum
9 detected PCB concentration was 5.84 mg/kg. This concentration does not exceed the
10 commercial/industrial floodplain soil SRBC of 20 mg/kg; therefore, this exposure area was
11 eliminated from further consideration. Table 4-91 presents the results of the floodplain soil
12 samples collected from Floodplain Soil Exposure Area 14. Figure 4-21 presents the locations of
13 the floodplain soil samples collected from Floodplain Soil Exposure Area 14.

Table 4-91

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 14
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Area

Maximum Detected Concentration: 5.84E+00

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001186	2.76E+00	J	0 - 0.5
FL001186	1.82E+00	J	0.5 - 1
FL001187	3.00E+00	J	0 - 0.5
FL001187	3.50E+00	J	0.5 - 1
FL000940	2.01E+00		0.5 - 1
FL000940	1.24E+00		0 - 0.5
F1771506	2.87E+00		0 - 0.5
F1771504*	3.76E+00		0 - 0.5
F1771504	5.84E+00		0 - 0.5
F1771505	5.07E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 4-21

1 **4.2.2.15 Floodplain Soil Exposure Area 15**

2 Floodplain Soil Exposure Area 15 consists of tax parcels 18A-44, 18A-46, 18A-48, 18A-50A,
3 18A-50, 18A-51, 18A-61, and 18A-62, located on the east bank of the river in the Town of Lee.
4 It is approximately 5.9 acres. Approximately 1.3 acres lie within the 100-year floodplain and
5 extend to the riverbank. The land uses for this exposure area are low-contact residential and
6 commercial/industrial. This evaluation focuses on low-contact residential because it is the most
7 sensitive land use.

8 **Floodplain Soil**

9 Nine floodplain soil samples (0 to 1 ft) were taken from this exposure area. Of these samples,
10 four had detected PCB concentrations. The maximum detected PCB concentration was 0.529
11 mg/kg. This concentration does not exceed the residential low-contact floodplain soil SRBC of 5
12 mg/kg; therefore, this exposure area was eliminated from further consideration. Table 4-92
13 presents the results of the floodplain soil samples collected from Floodplain Soil Exposure Area
14 15. Figure 4-21 presents the locations of the floodplain soil samples collected from Floodplain
15 Soil Exposure Area 15.

Table 4-92

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 15
(Results in mg/kg; Depth in feet)**

Low-Contact Residential and Commercial/Industrial Area

Maximum Detected Concentration: 5.29E-01

Low-Contact Residential SRBC: 5.00E+00

Commercial/Industrial SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001229	1.90E-02	U	0 - 0.5
FL001493	2.86E-01	J	0 - 0.5
FL001493	3.86E-01	J	0.5 - 1
FL001494	5.29E-01		0.5 - 1
FL001494	4.70E-01	J	0 - 0.5
FL001525	1.90E-02	U	0.5 - 1
FL001525	5.00E-01	U	0 - 0.5
FL001526	5.01E-01	U	0 - 0.5
FL001526	5.01E-01	U	0.5 - 1

J = estimated detected value

U = not detected at reported value

See Figure 4-21

1 **4.2.2.16 Floodplain Soil Exposure Area 16**

2 Floodplain Soil Exposure Area 16 consists of tax parcel 18A-118, located on the east bank of the
3 river in the Town of Lee. It is approximately 4.652 acres. Approximately 4.651 acres lie within
4 the 100-year floodplain and extend to the riverbank. The land uses for this exposure area are
5 high-contact recreational and commercial/industrial. This evaluation focuses on high-contact
6 recreational because it is the most sensitive land use.

7 **Floodplain Soil**

8 Fourteen floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
9 from this exposure area. Of these samples, seven had detected PCB concentrations. The
10 maximum detected PCB concentration was 2.08 mg/kg. This concentration does not exceed the
11 recreational high-contact floodplain soil SRBC of 5 mg/kg; therefore, this exposure area was
12 eliminated from further consideration. Table 4-93 presents the results of the floodplain soil
13 samples collected from Floodplain Soil Exposure Area 16. Figure 4-22 presents the locations of
14 the floodplain soil samples collected from Floodplain Soil Exposure Area 16.

Table 4-93

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 16
(Results in mg/kg; Depth in feet)**

High-Contact Recreational and Commercial/Industrial Area

Maximum Detected Concentration: 2.08E+00

High-Contact Recreational SRBC: 5.00E+00

Commercial/Industrial SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000944	5.01E-01	U	0 - 0.5
FL000944	5.01E-01	U	0.5 - 1
FL000945	1.88E+00		0.5 - 1
FL000945*	2.08E+00		0 - 0.5
FL000945	1.92E+00		0 - 0.5
FL000946	5.00E-01	U	0 - 0.5
FL000946	5.00E-01	U	0.5 - 1
FL001195	4.94E-01	J	0 - 0.5
FL001195	1.73E+00		0.5 - 1
FL001475	5.00E-01	U	0 - 0.5
FL001475	5.00E-01	U	0.5 - 1
FL001477	3.69E-01	J	0 - 0.5
FL001477	5.00E-01	U	0.5 - 1
FL001478	5.01E-01	U	0.5 - 1
FL001478	1.48E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-22

1 **4.2.2.17 Floodplain Soil Exposure Area 17**

2 Floodplain Soil Exposure Area 17 consists of tax parcels 18A-120A, 18A-121, and 19A-90,
3 located on the east bank of the river in the Town of Lee. It is approximately 5.8 acres.
4 Approximately 5.6 acres lie within the 100-year floodplain and extend to the riverbank. The land
5 use for this exposure area is high-contact recreational.

6 **Floodplain Soil**

7 Six floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
8 this exposure area. All of these samples had detected PCB concentrations. The maximum
9 detected PCB concentration was 3.5 mg/kg. This concentration does not exceed the recreational
10 high-contact floodplain soil SRBC of 5 mg/kg; therefore, this exposure area was eliminated from
11 further consideration. Table 4-94 presents the results of the floodplain soil samples collected
12 from Floodplain Soil Exposure Area 17. Figure 4-22 presents the locations of the floodplain soil
13 samples collected from Floodplain Soil Exposure Area 17.

Table 4-94

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 17
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 3.50E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001196	2.36E+00		0 - 0.5
FL001196	5.93E-01		0.5 - 1
FL001735	1.20E+00	J	0.5 - 1
FL001735	1.60E+00	J	0 - 0.5
FL001736	2.90E+00	J	0.5 - 1
FL001736*	3.50E+00	J	0.5 - 1
FL001736	1.90E+00	J	0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 4-22

1 **4.2.2.18 Floodplain Soil Exposure Area 18**

2 Floodplain Soil Exposure Area 18 consists of tax parcel 19-1, located on the east bank of the
3 river in the Town of Lee. It is approximately 4.2 acres, all of which lies within the 100-year
4 floodplain and extends to the riverbank. The land use for this exposure area is high-contact
5 recreational.

6 **Floodplain Soil**

7 Fourteen floodplain soil samples (0 to 1 ft) were taken from this exposure area. Of these samples,
8 13 had detected PCB concentrations. The maximum detected PCB concentration was 7.71
9 mg/kg. This concentration exceeds the recreational high-contact floodplain soil SRBC of 5
10 mg/kg. The 95% UCL for this area was 3.83 mg/kg. The 95% UCL is the EPC because it is less
11 than the maximum detected concentration. A comparison of the EPC against the SRBC indicates
12 that this exposure area will not require further evaluation. Table 4-95 presents the results of the
13 floodplain soil samples collected from Floodplain Soil Exposure Area 18. Figure 4-22 presents
14 the locations of the floodplain soil samples collected from Floodplain Soil Exposure Area 18.

Table 4-95

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 18
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 7.71E+00
 Data Distribution: Lognormal
 95% UCL: 3.83E+00
 EPC: 3.83E+00
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000941	1.92E+00		0 - 0.5
FL000941	8.31E-01		0.5 - 1
FL000942	1.03E+00		0 - 0.5
FL000942	3.07E+00		0.5 - 1
FL001192	1.41E+00		0 - 0.5
FL001192	5.01E-01	U	0.5 - 1
FL001193	3.81E+00		0 - 0.5
FL001193	7.71E+00		0.5 - 1
FL001495	1.08E+00		0 - 0.5
FL001495	2.60E-01		0.5 - 1
FL001496	1.03E+00		0 - 0.5
FL001496	4.59E-01	J	0.5 - 1
FL001497	1.07E+00		0 - 0.5
FL001497	3.44E-01	J	0.5 - 1

J = estimated detected value
 U = not detected at reported value
 See Figure 4-22

1 **4.2.2.19 Floodplain Soil Exposure Area 19**

2 Floodplain Soil Exposure Area 19 consists of tax parcel 18A-118A, located on the west bank of
3 the river in the Town of Lee. It is approximately 5.2 acres. Approximately 5.0 acres lie within
4 the 100-year floodplain and extend to the riverbank. The land use for this exposure area is high-
5 contact recreational.

6 **Floodplain Soil**

7 Ten floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
8 this exposure area. Of these samples, nine had detected PCB concentrations. The maximum
9 detected PCB concentration was 1.31 mg/kg. This concentration does not exceed the recreational
10 high-contact floodplain soil SRBC of 5 mg/kg; therefore, this exposure area was eliminated from
11 further consideration. Table 4-96 presents the results of the floodplain soil samples collected
12 from Floodplain Soil Exposure Area 19. Figure 4-22 presents the locations of the floodplain soil
13 samples collected from Floodplain Soil Exposure Area 19.

Table 4-96

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 19
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 1.31E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001207	1.60E-01	J	0 - 0.5
FL001207	1.00E-01	J	0.5 - 1
FL001208	8.32E-01		0.5 - 1
FL001208	1.31E+00		0 - 0.5
FL001209	1.28E+00		0 - 0.5
FL001209	6.29E-01	J	0.5 - 1
FL001479*	4.70E-01	J	0 - 0.5
FL001479	4.86E-01	J	0 - 0.5
FL001479	5.00E-01	U	0.5 - 1
FL001480	3.40E-02		0 - 0.5
FL001480	5.00E-01	U	0.5 - 1

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-22

1 **4.2.2.20 Floodplain Soil Exposure Area 20**

2 Floodplain Soil Exposure Area 20 consists of tax parcels 18-190 and 18-82, located on the west
3 bank of the river in the Town of Lee. It is approximately 42 acres. Approximately 12 acres lie
4 within the 100-year floodplain and extend to the riverbank. The land use for this exposure area is
5 low-contact recreational.

6 **Floodplain Soil**

7 Nine floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
8 this exposure area. All of these samples had detected PCB concentrations. The maximum
9 detected PCB concentration was 7.09 mg/kg. This concentration exceeds the recreational low-
10 contact floodplain soil SRBC of 7 mg/kg. The 95% UCL for this area was 5.34 mg/kg. The 95%
11 UCL is the EPC because it is less than the maximum detected concentration. A comparison of
12 the EPC against the SRBC indicates that this exposure area will not require further evaluation.
13 Table 4-97 presents the results of the floodplain soil samples collected from Floodplain Soil
14 Exposure Area 20. Figure 4-22 presents the locations of the floodplain soil samples collected
15 from Floodplain Soil Exposure Area 20.

Table 4-97

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 20
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 7.09E+00

Data Distribution: Normal

95% UCL: 5.34E+00

EPC: 5.34E+00

SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001210	5.64E+00		0 - 0.5
FL001210	7.09E+00		0.5 - 1
FL001739	4.40E+00	J	0.5 - 1
FL001739	3.20E+00	J	0 - 0.5
FL001740	4.00E+00	J	0 - 0.5
FL001740	6.70E+00	J	0.5 - 1
FL001740*	3.90E+00	J	0 - 0.5
F1872001	9.16E-01	J	0 - 0.5
F1872002	2.25E+00	J	0 - 0.5
F1872003	1.69E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 4-22

1 **4.2.2.21 Floodplain Soil Exposure Area 21**

2 Floodplain Soil Exposure Area 21 consists of tax parcels 19-2, 19-5, and 19-8, located on the
3 east bank of the river in the Town of Lee. It is approximately 6.2 acres. Approximately 6.16
4 acres lie within the 100-year floodplain and extend to the riverbank. The land uses for this
5 exposure area are low-contact recreational and commercial/industrial. This evaluation focuses on
6 low-contact recreational because it is the most sensitive land use.

7 **Floodplain Soil**

8 Thirteen floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
9 from this exposure area. Of these samples, 13 had detected PCB concentrations. The maximum
10 detected PCB concentration was 11.9 mg/kg. This concentration exceeds the recreational low-
11 contact floodplain soil SRBC of 7 mg/kg. The 95% UCL for this area was 176 mg/kg. The
12 maximum detected concentration is the EPC because it is less than the 95% UCL. A comparison
13 of the EPC against the SRBC indicates that this exposure area will require further evaluation.
14 Table 4-98 presents the results of the floodplain soil samples collected from Floodplain Soil
15 Exposure Area 21. Figure 4-22 presents the locations of the floodplain soil samples collected
16 from Floodplain Soil Exposure Area 21.

Table 4-98

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 21
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area and Commercial/Industrial Area

Maximum Detected Concentration: 1.19E+01
 Data Distribution: Default (lognormal)
 95% UCL: 1.76E+02
 EPC: 1.19E+01
 Low-Contact Recreational SRBC: 5.00E+00
 Commercial/Industrial SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000943	8.14E+00		0.5 - 1
FL000943	1.17E+01		0 - 0.5
FL001194	1.18E+01		0 - 0.5
FL001194*	1.19E+01		0 - 0.5
FL001194	8.39E+00		0.5 - 1
FL001197	7.90E+00		0 - 0.5
FL001197	8.27E+00		0.5 - 1
FL001508	3.40E-02	J	0.5 - 1
FL001508	7.20E-01		0 - 0.5
FL001509	4.02E-01	J	0.5 - 1
FL001509	3.90E-01	J	0 - 0.5
F1872004	8.81E+00		0 - 0.5
F1872005	1.10E+00		0 - 0.5
F1872006	7.04E-01	U	0 - 0.5

* = duplicate sample
 J = estimated detected value
 U = not detected at reported value
 See Figure 4-22

1 **4.2.2.22 Floodplain Soil Exposure Area 22**

2 Floodplain Soil Exposure Area 22 consists of tax parcels 19-10, 19-11, 19-12A, and 19-12,
3 located on the east bank of the river in the Town of Lee. It is approximately 4.86 acres.
4 Approximately 4.82 acres lie within the 100-year floodplain and extend to the riverbank. The
5 land use for this exposure area is commercial/industrial.

6 **Floodplain Soil**

7 Six floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
8 this exposure area. Of these samples, four had detected PCB concentrations. The maximum
9 detected PCB concentration was 3.4 mg/kg. This concentration does not exceed the
10 commercial/industrial floodplain soil SRBC of 20 mg/kg; therefore, this exposure area was
11 eliminated from further consideration. Table 4-99 presents the results of the floodplain soil
12 samples collected from Floodplain Soil Exposure Area 22. Figure 4-22 presents the locations of
13 the floodplain soil samples collected from Floodplain Soil Exposure Area 22.

Table 4-99

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 22
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Area

Maximum Detected Concentration: 3.40E+00

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001507*	5.01E-01	U	0.5 - 1
FL001507	5.01E-01	U	0.5 - 1
FL001507	5.01E-01	U	0 - 0.5
FL001737	1.40E+00	J	0 - 0.5
FL001737	1.60E+00	J	0.5 - 1
FL001738	3.40E+00	J	0 - 0.5
FL001738	2.50E+00	J	0.5 - 1

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-22

1 **4.2.2.23 Floodplain Soil Exposure Area 23**

2 Floodplain Soil Exposure Area 23 consists of tax parcel 25-6, located on the west bank of the
3 river in the Town of Lee. It is approximately 31 acres. Approximately 16.5 acres lie within the
4 100-year floodplain and extend to the riverbank. The land use for this exposure area is high-
5 contact recreational.

6 **Floodplain Soil**

7 Thirteen floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil were taken from this
8 exposure area. All of these samples had detected PCB concentrations. The maximum detected
9 PCB concentration was 9.67 mg/kg. This concentration exceeds the recreational high-contact
10 floodplain soil SRBC of 5 mg/kg. The 95% UCL for this area was 9.01 mg/kg. The 95% UCL is
11 the EPC because it is less than the maximum detected concentration. A comparison of the EPC
12 against the SRBC indicates that this exposure area will require further evaluation. Table 4-100
13 presents the results of the floodplain soil samples collected from Floodplain Soil Exposure Area
14 23. Figure 4-23 presents the locations of the floodplain soil samples collected from Floodplain
15 Soil Exposure Area 23.

Table 4-100

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 23
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 9.67E+00
 Data Distribution: Lognormal
 95% UCL: 9.01E+00
 EPC: 9.01E+00
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001532	1.37E+00		0 - 0.5
FL001532	2.69E-01	J	0.5 - 1
FL001533	2.15E+00		0 - 0.5
FL001533	4.72E-01	J	0.5 - 1
FL001534	3.71E+00		0 - 0.5
FL001534	8.78E-01		0.5 - 1
FL001536	8.59E+00		0 - 0.5
FL001536	9.67E+00		0.5 - 1
FL001699	6.80E-01		0.5 - 1
FL001699	2.00E+00		0 - 0.5
F1872501*	3.50E+00		0 - 0.5
F1872501	3.57E+00		0 - 0.5
F1872502	3.83E+00		0 - 0.5
F1872503	3.92E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 4-23

1 **4.2.2.24 Floodplain Soil Exposure Area 24**

2 Floodplain Soil Exposure Area 24 of tax parcels 25-105, 25-7, 25-8, and 25-32, located on the east
3 bank of the river in the Town of Lee. It is approximately 12.7 acres. Approximately 9.1 acres lie
4 within the 100-year floodplain and extend to the riverbank. The land use for this exposure area is
5 commercial/industrial.

6 **Floodplain Soil**

7 Four floodplain soil samples (0 to 1 ft) were taken from this exposure area. All of these samples
8 had detected PCB concentrations. The maximum detected PCB concentration was 2.29 mg/kg.
9 This concentration does not exceed the commercial/industrial floodplain soil SRBC of 20 mg/kg;
10 therefore, this exposure area was eliminated from further consideration. Table 4-101 presents the
11 results of the floodplain soil samples collected from Floodplain Soil Exposure Area 24. Figure 4-
12 23 presents the locations of the floodplain soil samples collected from Floodplain Soil Exposure
13 Area 24.

Table 4-101

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 24
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Area

Maximum Detected Concentration: 2.29E+00

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000947	1.41E+00		0 - 0.5
FL000947	1.02E+00		0.5 - 1
FL000948	2.29E+00		0.5 - 1
FL000948	2.09E+00		0 - 0.5

See Figure 4-23

1 **4.2.2.25 Floodplain Soil Exposure Area 25**

2 Floodplain Soil Exposure Area 25 consists of tax parcels 25-37, 25-39, 25-41, 25-43, 25-45, 25-
3 48, 25-50, 25-100, and 25-89, located on the west bank of the river in the Town of Lee. It is
4 approximately 27 acres. Approximately 22 acres lie within the 100-year floodplain and extend to
5 the riverbank. The land uses for this exposure area are low-contact residential and high-contact
6 recreational.

7 **Floodplain Soil**

8 Nineteen floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
9 from this exposure area. Of these samples, 12 had detected PCB concentrations. The maximum
10 detected PCB concentration was 6.2 mg/kg. This concentration exceeds the residential low-
11 contact and recreational high-contact floodplain soil SRBCs of 5 mg/kg. The 95% UCL for this
12 area was 4.84 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected
13 concentration. A comparison of the EPC against the SRBC indicates that this exposure area will
14 not require further evaluation. Table 4-102 presents the results of the floodplain soil samples
15 collected from Floodplain Soil Exposure Area 25. Figure 4-24 presents the locations of the
16 floodplain soil samples collected from Floodplain Soil Exposure Area 25.

Table 4-102

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 25
(Results in mg/kg; Depth in feet)**

Low-Contact Residential and High-Contact Recreational Area

Maximum Detected Concentration: 6.20E+00
 Data Distribution: Default (lognormal)
 95% UCL: 4.84E+00
 EPC: 4.84E+00
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000968	1.00E+00		0.5 - 1
FL000968	5.03E-01	U	0 - 0.5
FL000969	4.79E-01	J	0.5 - 1
FL000969	1.69E+00		0 - 0.5
FL001485	2.10E-02	U	0.5 - 1
FL001485	5.02E-01	U	0 - 0.5
FL001486	4.27E-01	J	0 - 0.5
FL001486	5.02E-01	U	0.5 - 1
FL001487*	5.04E-01	U	0.5 - 1
FL001487	5.04E-01	U	0.5 - 1
FL001487	6.08E-01		0 - 0.5
FL001488	5.04E-01	U	0 - 0.5
FL001488	5.03E-01	U	0.5 - 1
FL001745	6.20E+00		0.5 - 1
FL001745	4.20E+00		0 - 0.5
FL001793	1.40E-01		0.5 - 1
FL001793	4.40E-01		0 - 0.5
F1873001	1.73E+00	J	0 - 0.5
F1873002	3.89E+00	J	0 - 0.5
F1873003	1.01E+00	J	0 - 0.5

* = duplicate sample
 J = estimated detected value
 U = not detected at reported value
 See Figure 4-24

1 **4.2.2.26 Floodplain Soil Exposure Area 26**

2 Floodplain Soil Exposure Area 26 consists of tax parcels 25-54, 25-55, 25-56, and 25-91, located
3 on the east bank of the river in the Town of Lee. It is approximately 14.4 acres. Approximately
4 10.8 acres lie within the 100-year floodplain and extend to the riverbank. The land uses for this
5 exposure area are low-contact residential and high-contact recreational.

6 **Floodplain Soil**

7 Thirteen floodplain soil samples (0 to 1 ft) and three duplicate floodplain soil samples were taken
8 from this exposure area. Of these samples, four had detected PCB concentrations. The maximum
9 detected PCB concentration was 1.31 mg/kg. This concentration does not exceed the residential
10 low-contact or recreational high-contact floodplain soil SRBCs of 5 mg/kg; therefore, this
11 exposure area was eliminated from further consideration. Table 4-103 presents the results of the
12 floodplain soil samples collected from Floodplain Soil Exposure Area 26. Figure 4-24 presents
13 the locations of the floodplain soil samples collected from Floodplain Soil Exposure Area 26.

Table 4-103

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 26
(Results in mg/kg; Depth in feet)**

Low-Contact Residential and High-Contact Recreational Area

Maximum Detected Concentration: 1.31E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001441	2.91E-01	J	0.5 - 1
FL001441	5.01E-01	U	0 - 0.5
FL001530*	5.01E-01	U	0.5 - 1
FL001530	5.01E-01	U	0 - 0.5
FL001530	5.00E-01	U	0.5 - 1
FL000949	5.02E-01	U	0 - 0.5
FL000949	5.00E-01	U	0.5 - 1
FL000950	5.01E-01	U	0 - 0.5
FL000950	5.02E-01	U	0.5 - 1
FL000950*	5.00E-01	U	0 - 0.5
FL001531	5.06E-01	U	0 - 0.5
FL001531	5.02E-01	U	0.5 - 1
F1873004	6.14E-01		0 - 0.5
F1873004*	7.16E-01	J	0 - 0.5
F1873005	1.31E+00		0 - 0.5
F1873006	5.01E-01	U	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-24

1 **4.2.2.27 Floodplain Soil Exposure Area 27**

2 Floodplain Soil Exposure Area 27 consists of tax parcels 25-101 and 25-103, located on the west
3 bank of the river in the Town of Lee. It is approximately 30.3 acres, almost all of which lies
4 within the 100-year floodplain and extends to the riverbank. The land use for this exposure area
5 is commercial/industrial.

6 **Floodplain Soil**

7 Five floodplain soil samples (0 to 1 ft) were taken from this exposure area. Of these samples,
8 three had detected PCB concentrations. The maximum detected PCB concentration was 0.928
9 mg/kg. This concentration does not exceed the commercial/industrial floodplain soil SRBC of 20
10 mg/kg; therefore, this exposure area was eliminated from further consideration. Table 4-104
11 presents the results of the floodplain soil samples collected from Floodplain Soil Exposure Area
12 27. Figure 4-24 presents the locations of the floodplain soil samples collected from Floodplain
13 Soil Exposure Area 27.

Table 4-104

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 27
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Area

Maximum Detected Concentration: 9.28E-01

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000967	4.72E-01	J	0.5 - 1
FL000967	9.28E-01		0 - 0.5
F1973501	5.03E-01	U	0 - 0.5
F1973502	5.04E-01	U	0 - 0.5
F1973503	5.02E-01	J	0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 4-24

1 **4.2.2.28 Floodplain Soil Exposure Area 28**

2 Floodplain Soil Exposure Area 28 consists of tax parcels 31-7, 31-2, 31-5, 31-15, 30-81, and 35-
3 17, located on the west bank of the river in the Town of Lee. It is approximately 112 acres.
4 Approximately 97 acres lie within the 100-year floodplain and extend to the riverbank. The land
5 uses for this exposure area are low-contact recreational and commercial/ industrial. This
6 evaluation focuses on low-contact recreational because it is the most sensitive land use.

7 **Floodplain Soil**

8 Thirty-three floodplain soil samples (0 to 1 ft) and three duplicate floodplain soil samples were
9 taken from this exposure area. Of these samples, 23 had detected PCB concentrations. The
10 maximum detected PCB concentration was 16 mg/kg. This concentration exceeds the
11 recreational low-contact floodplain soil SRBC of 7 mg/kg. The 95% UCL for this area was 3.41
12 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected concentration. A
13 comparison of the EPC against the SRBC indicates that this exposure area will not require
14 further evaluation. Table 4-105 presents the results of the floodplain soil samples collected from
15 Floodplain Soil Exposure Area 28. Figure 4-25 presents the locations of the floodplain soil
16 samples collected from Floodplain Soil Exposure Area 28.

Table 4-105
Floodplain Soil PCB Results for Floodplain Soil Exposure Area 28
(Results in mg/kg; Depth in feet)

Low-Contact Recreational and Commercial/Industrial Area

Maximum Detected Concentration: 1.60E+01
 Data Distribution: Default (lognormal)
 95% UCL: 3.41E+00
 EPC: 3.41E+00
 Low-Contact Recreational SRBC: 7.00E+00
 Commercial/Industrial SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000847	3.40E-01	J	0 - 0.5
FL000847	5.02E-01	U	0.5 - 1
FL000847*	5.02E-01	U	0.5 - 1
FL000848	4.80E-01	J	0 - 0.5
FL000848	5.04E-01	U	0.5 - 1
FL000849	5.40E-01	U	0.5 - 1
FL000849	5.09E-01	U	0 - 0.5
FL000850	7.00E-01		0 - 0.5
FL000850	5.04E-01	U	0.5 - 1
FL000851	9.16E-01		0 - 0.5
FL000851	4.93E-01	J	0.5 - 1
FL000852	5.10E-01	U	0 - 0.5
FL000852	5.05E-01	U	0.5 - 1
FL001560	5.00E-01	U	0 - 0.5
FL001560	2.69E-01	J	0.5 - 1
FL001561	2.93E-01	J	0 - 0.5
FL001561	2.61E-01	J	0.5 - 1
FL001746	1.30E+00	J	0 - 0.5
FL001746*	1.50E+00	J	0 - 0.5
FL001746	2.10E-01	J	5 - 1
FL001747	3.40E+00	J	0 - 0.5
FL001747	3.90E+00	J	0.5 - 1
FL001624	1.60E+01		0 - 0.5
FL001624	5.85E+00		0.5 - 1
FL001627	3.50E+00		0 - 0.5
FL001627	1.70E+00	J	0.5 - 1
F1974001	5.03E-01	U	0 - 0.5
F1974002	3.70E-01	J	0 - 0.5
F1974003*	5.67E-01		0 - 0.5
F1974003	7.32E-01		0 - 0.5
F2074501	5.00E-01	U	0 - 0.5
F2074502	5.02E-01	U	0 - 0.5
F2074503	5.03E-01	U	0 - 0.5
F2075001	1.18E+01		0 - 0.5
F2075002	9.57E+00		0 - 0.5
F2075003	3.06E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-25

1 **4.2.2.29 Floodplain Soil Exposure Area 29**

2 Floodplain Soil Exposure Area 29 consists of tax parcels 31-7 and 31-2, located on the east bank
3 of the river in the Town of Lee. It is approximately 124 acres. Approximately 105 acres lie
4 within the 100-year floodplain and extend to the riverbank. The land use for this exposure area is
5 agricultural.

6 **Floodplain Soil**

7 Eleven floodplain soil samples (0 to 1 ft) were taken from this exposure area. Of these samples,
8 three had detected PCB concentrations. The maximum detected PCB concentration was 0.61
9 mg/kg. This concentration does not exceed the agricultural floodplain soil SRBC of 2 mg/kg;
10 therefore, this exposure area was eliminated from further consideration. Table 4-106 presents the
11 results of the floodplain soil samples collected from Floodplain Soil Exposure Area 29. Figure
12 4-25 presents the locations of the floodplain soil samples collected from Floodplain Soil
13 Exposure Area 29.

Table 4-106

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 29
(Results in mg/kg; Depth in feet)**

Agricultural Area

Maximum Detected Concentration: 6.10E-01

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000971	5.03E-01	U	0.5 - 1
FL000971	5.03E-01	U	0 - 0.5
FL000970	5.03E-01	U	0.5 - 1
FL000970	5.04E-01	U	0 - 0.5
FL001593	5.02E-01	U	0 - 0.5
FL001593	5.01E-01	U	0.5 - 1
FL001594	5.02E-01	U	0 - 0.5
FL001594	5.02E-01	U	0.5 - 1
F1974004	6.10E-01	J	0 - 0.5
F1974005	2.64E-01	J	0 - 0.5
F1974006	5.00E-01	J	0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 4-25

1 **4.2.2.30 Floodplain Soil Exposure Area 30**

2 Floodplain Soil Exposure Area 30 consists of tax parcels 31-12 and 35-17, located on the east
3 bank of the river in the Town of Lee. It is approximately 22.2 acres, all of which lies within the
4 100-year floodplain and extends to the riverbank. The land use for this exposure area is low-
5 contact recreational.

6 **Floodplain Soil**

7 Eleven floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
8 from this exposure area. All of these samples had detected PCB concentrations. The maximum
9 detected PCB concentration was 6.41 mg/kg. This concentration does not exceed the recreational
10 low-contact floodplain soil SRBC of 7 mg/kg; therefore, this exposure area was eliminated from
11 further consideration. Table 4-107 presents the results of the floodplain soil samples collected
12 from Floodplain Soil Exposure Area 30. Figure 4-25 presents the locations of the floodplain soil
13 samples collected from Floodplain Soil Exposure Area 30.

Table 4-107

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 30
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 6.41E+00

SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001741	3.20E+00	J	0.5 - 1
FL001741	2.70E+00	J	0 - 0.5
FL001742	5.60E+00	J	0 - 0.5
FL001742	5.90E+00	J	0.5 - 1
FL001743	5.70E+00	J	0 - 0.5
FL001743	2.80E+00	J	0.5 - 1
FL001744	1.60E+00	J	0.5 - 1
FL001744	2.10E+00	J	0 - 0.5
F2074504	4.05E+00		0 - 0.5
F2074505	3.02E+00		0 - 0.5
F2074505*	2.39E+00		0 - 0.5
F2074506	6.41E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

See Figure 4-25

1 **4.2.2.31 Floodplain Soil Exposure Area 31**

2 Floodplain Soil Exposure Area 31 consists of tax parcels 35-17A, 35-5A, 35-2, and 35-1A,
3 located on the east bank of the river in the Town of Lee. It is approximately 113 acres.
4 Approximately 88 acres lie within the 100-year floodplain and extend to the riverbank. The land
5 uses for this exposure area are agricultural and low-contact recreational. This evaluation focuses
6 on agriculture because it is the most sensitive land use.

7 **Floodplain Soil**

8 Twenty-seven floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were
9 taken from this exposure area. Of these samples, 13 had detected PCB concentrations. The
10 maximum detected PCB concentration was 8.59 mg/kg. This concentration exceeds the
11 agricultural floodplain soil SRBC of 2 mg/kg. The 95% UCL for this area was 3.94 mg/kg. The
12 95% UCL is the EPC because it is less than the maximum detected concentration. A comparison
13 of the EPC against the SRBC indicates that this exposure area will require further evaluation.
14 Table 4-108 presents the results of the floodplain soil samples collected from Floodplain Soil
15 Exposure Area 31. Figure 4-26 presents the locations of the floodplain soil samples collected
16 from Floodplain Soil Exposure Area 31.

Table 4-108

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 31
(Results in mg/kg; Depth in feet)**

Agricultural and Low-Contact Recreational Area

Maximum Detected Concentration: 8.59E+00
 Data Distribution: Default (lognormal)
 95% UCL: 3.94E+00
 EPC: 3.94E+00
 Agricultural SRBC: 2.00E+00
 Low-Contact Recreational SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000853	5.05E-01	U	0.5 - 1
FL000853	5.05E-01	U	0 - 0.5
FL000854	5.06E-01	U	0.5 - 1
FL000854	5.06E-01	U	0 - 0.5
FL000972	3.43E+00		0.5 - 1
FL000972	2.68E+00		0 - 0.5
FL000973	5.02E-01	U	0.5 - 1
FL000973	5.02E-01	U	0 - 0.5
FL000974	4.18E+00		0.5 - 1
FL000974	3.02E+00		0 - 0.5
FL001503	5.02E-01	U	0 - 0.5
FL001503	5.01E-01	U	0.5 - 1
FL001503*	5.02E-01	U	0.5 - 1
FL001504	6.77E-01		0 - 0.5
FL001504	8.00E-01		0.5 - 1
FL001595	5.02E-01	U	0.5 - 1
FL001595	5.03E-01	U	0 - 0.5
FL001596	5.03E-01	U	0 - 0.5
FL001596	5.02E-01	U	0.5 - 1
F2175504	4.69E-01	J	0 - 0.5
F2175505	2.05E+00		0 - 0.5
F2175506	3.72E+00		0 - 0.5
F2176004	6.21E+00		0 - 0.5
F2075004	4.50E+00		0 - 0.5
F2075005	5.07E-01	U	0 - 0.5
F2075006	5.04E-01	U	0 - 0.5
F2176005	5.42E+00		0 - 0.5
F2176006	8.59E+00	J	0 - 0.5

* = duplicate sample
 J = estimated detected value
 U = not detected at reported value
 See Figure 4-26

1 **4.2.2.32 Floodplain Soil Exposure Area 32**

2 Floodplain Soil Exposure Area 32 consists of tax parcel 35-1, located on the east bank of the
3 river in the Town of Lee. It is approximately 25 acres. Approximately 22 acres lie within the
4 100-year floodplain and extend to the riverbank. The land use for this exposure area is high-
5 contact recreational.

6 **Floodplain Soil**

7 Ten floodplain soil samples (0 to 1 ft) were taken from this exposure area. All of these samples
8 had detected PCB concentrations. The maximum detected PCB concentration was 7.9 mg/kg.
9 This concentration exceeds the recreational high-contact floodplain soil SRBC of 5 mg/kg. The
10 95% UCL for this area was 9.51 mg/kg. The maximum detected concentration is the EPC
11 because it is less than the 95% UCL. A comparison of the EPC against the SRBC indicates that
12 this exposure area will require further evaluation. Table 4-109 presents the results of the
13 floodplain soil samples collected from Floodplain Soil Exposure Area 32. Figure 4-26 presents
14 the locations of the floodplain soil samples collected from Floodplain Soil Exposure Area 32.

Table 4-109

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 32
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 7.90E+00
 Data Distribution: Lognormal
 95% UCL: 9.51E+00
 EPC: 7.90E+00
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000975	6.86E+00		0.5 - 1
FL000975	2.43E+00		0 - 0.5
FL001198	5.75E-01		0 - 0.5
FL001198	3.65E-01	J	0.5 - 1
FL001199	1.13E+00		0 - 0.5
FL001199	1.14E+00		0.5 - 1
FL001748	4.00E+00	J	0.5 - 1
FL001748	1.80E+00	J	0 - 0.5
FL001749	7.90E+00	J	0.5 - 1
FL001749	3.50E+00	J	0 - 0.5

J = estimated detected value
 See Figure 4-26

1 **4.2.2.33 Floodplain Soil Exposure Area 33**

2 Floodplain Soil Exposure Area 33 consists of tax parcel 30-72, located on the west bank of the
3 river in the Town of Lee. It is approximately 28 acres. Approximately 26 acres lie within the
4 100-year floodplain and extend to the riverbank. The land use for this exposure area is
5 commercial/industrial.

6 **Floodplain Soil**

7 Twelve floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
8 from this exposure area. Of these samples, 11 had detected PCB concentrations. The maximum
9 detected PCB concentration was 5.43 mg/kg. This concentration does not exceed the
10 commercial/industrial floodplain soil SRBC of 20 mg/kg; therefore, this exposure area was
11 eliminated from any further consideration. Table 4-110 presents the results of the floodplain soil
12 samples collected from Floodplain Soil Exposure Area 33. Figure 4-26 presents the locations of
13 the floodplain soil samples collected from Floodplain Soil Exposure Area 33.

Table 4-110

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 33
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Area

Maximum Detected Concentration: 5.43E+00

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001502	5.43E+00		0 - 0.5
FL001502	3.20E-01	J	0.5 - 1
FL001785	1.30E-01		0 - 0.5
FL001785	2.20E-02	U	0.5 - 1
FL001786	3.90E+00		0 - 0.5
FL001786	4.40E-01		0.5 - 1
F2175501	5.05E-01	U	0 - 0.5
F2175502	4.25E-01	J	0 - 0.5
F2175503	2.45E+00		0 - 0.5
F2176001	3.22E+00		0 - 0.5
F2176002	2.77E+00		0 - 0.5
F2176003	1.37E+00		0 - 0.5
F2176003*	1.07E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-26

1 **4.2.2.34 Floodplain Soil Exposure Area 34**

2 Floodplain Soil Exposure Area 34 consists of tax parcels 30-71 and 29-90, located on the west
3 bank of the river in the Town of Lee. It is approximately 63 acres. Approximately 10.7 acres lie
4 within the 100-year floodplain and extend to the riverbank. The land uses for this exposure area
5 are low-contact residential and high-contact recreational.

6 **Floodplain Soil**

7 Seven floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
8 from this exposure area. Of these samples, seven had detected PCB concentrations. The
9 maximum detected PCB concentration was 3.6 mg/kg. This concentration does not exceed the
10 residential low-contact and the recreational high-contact floodplain soil SRBCs of 5 mg/kg;
11 therefore, this exposure area was eliminated from further consideration. Table 4-111 presents the
12 results of the floodplain soil samples collected from Floodplain Soil Exposure Area 34. Figure 4-
13 26 presents the locations of the floodplain soil samples collected from Floodplain Soil Exposure
14 Area 34.

Table 4-111

**Floodplain Soil PCB Results for Floodplain Spil Exposure Area 34
(Results in mg/kg; Depth in feet)**

Low-Contact Residential and High-Contact Recreational Area

Maximum Detected Concentration: 3.60E+00

Low-Contact Residential SRBC: 5.00E+00

High-Contact Recreational SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001750*	2.30E-01	J	0 - 0.5
FL001750	3.20E+00	J	0.5 - 1
FL001750	2.20E+00	J	0 - 0.5
FL001787	3.10E+00	J	0 - 0.5
FL001787	3.60E+00	J	0.5 - 1
F2276501	5.10E-01	U	0 - 0.5
F2276502	1.02E+00		0 - 0.5
F2276503	2.75E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-26

1 **4.2.2.35 Floodplain Soil Exposure Area 35**

2 Floodplain Soil Exposure Area 35 consists of tax parcel 29-93A, located on the east bank of the
3 river in the Town of Lee. It is approximately 8.1 acres, all of which lies within the 100-year
4 floodplain and extends to the riverbank. The land use for this exposure area is low-contact
5 recreational.

6 **Floodplain Soil**

7 Eleven floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
8 from this exposure area. Of these samples, 11 had detected PCB concentrations. The maximum
9 detected PCB concentration was 7.35 mg/kg. This concentration exceeds the recreational low-
10 contact floodplain soil SRBC of 7 mg/kg. The 95% UCL for this area was 63 mg/kg. The
11 maximum detected concentration is the EPC because it is less than the 95% UCL. A comparison
12 of the EPC against the SRBC indicates that this exposure area will require further evaluation.
13 Table 4-112 presents the results of the floodplain soil samples collected from Floodplain Soil
14 Exposure Area 35. Figure 4-27 presents the locations of the floodplain soil samples collected
15 from Floodplain Soil Exposure Area 35.

Table 4-112

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 35
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 7.35E+00
 Data Distribution: Default (lognormal)
 95% UCL: 6.30E+01
 EPC: 7.35E+00
 SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001791	5.60E+00	J	0 - 0.5
FL001791	1.70E+00	J	0.5 - 1
FL001791*	2.30E+00	J	0.5 - 1
FL001788	2.80E-02	U	0.5 - 1
FL001788	1.80E+00	J	0 - 0.5
FL001789	6.10E-01	J	0 - 0.5
FL001789	3.00E-01	J	0.5 - 1
FL001790	8.40E-01	J	0.5 - 1
FL001790	1.40E+00	J	0 - 0.5
F2277004	1.27E+00		0 - 0.5
F2277005	3.61E+00		0 - 0.5
F2277006	7.35E+00		0 - 0.5

* = duplicate sample
 J = estimated detected value
 U = not detected at reported value
 See Figure 4-27

1 **4.2.2.36 Floodplain Soil Exposure Area 36**

2 Floodplain Soil Exposure Area 36 consists of tax parcels 29-68 and 29-91, located on the east
3 bank of the river in the Town of Lee. It is approximately 5.4 acres. Approximately 2.2 acres lie
4 within the 100-year floodplain and extend to the riverbank. The land use for this exposure area is
5 commercial/industrial.

6 **Floodplain Soil**

7 Five floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
8 this exposure area. Of these samples, four had detected PCB concentrations. The maximum
9 detected PCB concentration was 0.726 mg/kg. This concentration does not exceed the
10 commercial/industrial floodplain soil SRBC of 20 mg/kg; therefore, this exposure area was
11 eliminated from further consideration. Table 4-113 presents the results of the floodplain soil
12 samples collected from Floodplain Soil Exposure Area 36. Figure 4-27 presents the locations of
13 the floodplain soil samples collected from Floodplain Soil Exposure Area 36.

Table 4-113

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 36
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Area

Maximum Detected Concentration: 7.26E-01

Commercial/Industrial SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001621	5.00E-01	U	0 - 0.5
FL001621	4.28E-01	J	0.5 - 1
F2377504	3.50E-01	J	0 - 0.5
F2377504*	2.89E-01	J	0 - 0.5
F2377505	5.01E-01	UJ	0 - 0.5
F2377506	7.26E-01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 4-27

1 **4.2.2.37 Floodplain Soil Exposure Area 37**

2 Floodplain Soil Exposure Area 37 consists of tax parcels 25-9, 25-8, 25-8-01, and 26-87, located
3 on the west bank of the river in the Town of Stockbridge. It is approximately 22.6 acres.
4 Approximately 15.3 acres lie within the 100-year floodplain and extend to the riverbank. The
5 land uses for this exposure area are low-contact recreational and commercial/industrial. This
6 evaluation focuses on low-contact recreational because it is the most sensitive land use.

7 **Floodplain Soil**

8 Seven floodplain soil samples (0 to 1 ft) were taken from this exposure area. Of these samples, four
9 had detected PCB concentrations. The maximum detected PCB concentration was 1.3 mg/kg. This
10 concentration does not exceed the recreational low-contact floodplain soil SRBC of 7 mg/kg;
11 therefore, this exposure area was eliminated from further consideration. Table 4-114 presents the
12 results of the floodplain soil samples collected from Floodplain Soil Exposure Area 37. Figure 4-
13 28 presents the locations of the floodplain soil samples collected from Floodplain Soil Exposure
14 Area 37.

Table 4-114

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 37
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational and Commercial/Industrial Area

Maximum Detected Concentration: 1.30E+00

Low-Contact Recreational SRBC: 7.00E+00

Commercial/Industrial SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001816	6.40E-01		0 - 0.5
FL001816	2.60E-01		0.5 - 1
FL001817	1.30E+00		0.5 - 1
FL001817	1.00E+00		0 - 0.5
F2378001	5.02E-01	U	0 - 0.5
F2378002	5.01E-01	U	0 - 0.5
F2378003	5.06E-01	U	0 - 0.5

U = not detected at reported value

See Figure 4-28

1 **4.2.2.38 Floodplain Soil Exposure Area 38**

2 Floodplain Soil Exposure Area 38 consists of tax parcels 25-86 and 26-83, located on the east
3 bank of the river in the Town of Stockbridge. It is approximately 20.3 acres. Approximately 19
4 acres lie within the 100-year floodplain and extend to the riverbank. The land use for this
5 exposure area is low-contact recreational.

6 **Floodplain Soil**

7 Six floodplain soil samples (0 to 1 ft) were taken from this exposure area. Of these samples, four
8 had detected PCB concentrations. The maximum detected PCB concentration was 1.65 mg/kg.
9 This concentration does not exceed the recreational low-contact floodplain soil SRBC of 7
10 mg/kg; therefore, this exposure area was eliminated from further consideration. Table 4-115
11 presents the results of the floodplain soil samples collected from Floodplain Soil Exposure Area
12 38. Figure 4-28 presents the locations of the floodplain soil samples collected from Floodplain
13 Soil Exposure Area 38.

Table 4-115

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 38
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 1.65E+00

SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
F2478506	5.02E-01	U	0 - 0.5
F2378004	1.57E+00		0 - 0.5
F2378005	1.37E+00		0 - 0.5
F2378006	1.65E+00		0 - 0.5
F2478504	5.01E-01	U	0 - 0.5
F2478505	3.52E-01	J	0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 4-28

1 **4.2.2.39 Floodplain Soil Exposure Area 39**

2 Floodplain Soil Exposure Area 39 consists of tax parcels 26A-16 and 26A-15-02, located on the
3 west bank of the river in the Town of Stockbridge. It is approximately 8.5 acres. Approximately
4 2.6 acres lie within the 100-year floodplain and extend to the riverbank. The land use for this
5 exposure area is high-contact recreational.

6 **Floodplain Soil**

7 Six floodplain soil samples (0 to 1 ft) were taken from this exposure area. Of these samples, five
8 had detected PCB concentrations. The maximum detected PCB concentration was 1.6 mg/kg.
9 This concentration does not exceed the recreational high-contact floodplain soil SRBC of 5
10 mg/kg; therefore, this exposure area was eliminated from further consideration. Table 4-116
11 presents the results of the floodplain soil samples collected from Floodplain Soil Exposure Area
12 39. Figure 4-28 presents the locations of the floodplain soil samples collected from Floodplain
13 Soil Exposure Area 39.

Table 4-116

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 39
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 1.60E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001201	1.06E+00		0.5 - 1
FL001201	1.60E+00	J	0 - 0.5
FL001517	2.51E-01	J	0.5 - 1
FL001517	2.81E-01	J	0 - 0.5
FL001518	5.00E-01	U	0.5 - 1
FL001518	5.32E-01		0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 4-28

1 **4.2.2.40 Floodplain Soil Exposure Area 40**

2 Floodplain Soil Exposure Area 40 consists of tax parcel 21-62, located on the west bank of the
3 river in the Town of Stockbridge. It is approximately 10.7 acres. Approximately 10.4 acres lie
4 within the 100-year floodplain and extend to the riverbank. The land use for this exposure area is
5 high-contact recreational.

6 **Floodplain Soil**

7 Thirteen floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
8 from this exposure area. Of these samples, 12 had detected PCB concentrations. The maximum
9 detected PCB concentration was 13 mg/kg. This concentration exceeds the recreational high-
10 contact floodplain soil SRBC of 5 mg/kg. The 95% UCL for this area was 9.89 mg/kg. The 95%
11 UCL is the EPC because it is less than the maximum detected concentration. A comparison of
12 the EPC against the SRBC indicates that this exposure area will require further evaluation. Table
13 4-117 presents the results of the floodplain soil samples collected from Floodplain Soil Exposure
14 Area 40. Figure 4-29 presents the locations of the floodplain soil samples collected from
15 Floodplain Soil Exposure Area 40.

Table 4-117

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 40
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: 1.30E+01
 Data Distribution: Lognormal
 95% UCL: 9.89E+00
 EPC: 9.89E+00
 SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001206	4.80E+00	J	0 - 0.5
FL001206	1.30E+01	J	0.5 - 1
FL001773	2.10E+00	J	0.5 - 1
FL001773	2.30E+00	J	0 - 0.5
FL001774	3.40E+00	J	0 - 0.5
FL001774	7.60E+00	J	0.5 - 1
FL001565	8.15E-01	J	0 - 0.5
FL001565	6.93E-01	J	0.5 - 1
FL001566	1.07E+00		0 - 0.5
FL001566	7.90E-01	J	0.5 - 1
F2479001*	5.01E-01	U	0 - 0.5
F2479001	5.01E-01	U	0 - 0.5
F2479002	3.47E-01	J	0 - 0.5
F2479003	7.20E-01		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-29

1 **4.2.2.41 Floodplain Soil Exposure Area 41**

2 Floodplain Soil Exposure Area 41 consists of tax parcels 21-59 and 21-60, located on the east
3 bank of the river in the Town of Stockbridge. It is approximately 6.7 acres. Approximately 6.6
4 acres lie within the 100-year floodplain and extend to the riverbank. The land use for this
5 exposure area is commercial/industrial.

6 **Floodplain Soil**

7 Five floodplain soil samples (0 to 1 ft) were taken from this exposure area. All of these samples
8 had detected PCB concentrations. The maximum detected PCB concentration was 1.77 mg/kg.
9 This concentration does not exceed the commercial/industrial floodplain soil SRBC of 20 mg/kg;
10 therefore, this exposure area was eliminated from further consideration. Table 4-118 presents the
11 results of the floodplain soil samples collected from Floodplain Soil Exposure Area 41. Figure 4-
12 29 presents the locations of the floodplain soil samples collected from Floodplain Soil Exposure
13 Area 41.

Table 4-118

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 41
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Area

Maximum Detected Concentration: 1.77E+00

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001823	6.30E-01		0 - 0.5
FL001823	1.20E-01		0.5 - 1
F2479004	1.77E+00		0 - 0.5
F2479005	3.29E-01	J	0 - 0.5
F2479006	2.49E-01	J	0 - 0.5

J = estimated detected value

See Figure 4-29

1 **4.2.2.42 Floodplain Soil Exposure Area 42**

2 Floodplain Soil Exposure Area 42 consists of tax parcels 21-61, 20B-33, 20B-14, 20B-13, 20B-
3 12, 20B-11, 20B-5, 20B-6, and 20B-4, located on the west bank of the river in the Town of
4 Stockbridge. It is approximately 19.4 acres. Approximately 5.6 acres lie within the 100-year
5 floodplain and extend to the riverbank. The land use for this exposure area is low-contact
6 residential.

7 **Floodplain Soil**

8 Nine floodplain soil samples (0 to 1 ft) and two duplicate floodplain soil samples were taken
9 from this exposure area. Of these samples, 10 had detected PCB concentrations. The maximum
10 detected PCB concentration was 1.76 mg/kg. This concentration does not exceed the residential
11 low-contact floodplain soil SRBC of 5 mg/kg; therefore, this exposure area was eliminated from
12 further consideration. Table 4-119 presents the results of the floodplain soil samples collected
13 from Floodplain Soil Exposure Area 42. Figure 4-29 presents the locations of the floodplain soil
14 samples collected from Floodplain Soil Exposure Area 42.

Table 4-119

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 42
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 1.76E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001217	5.06E-01	UJ	0.5 - 1
FL001217*	5.42E-01	J	0 - 0.5
FL001217	7.91E-01	J	0 - 0.5
FL001506	1.67E+00		0 - 0.5
FL001506	5.70E-01		0.5 - 1
FL001619	3.30E-01		0.5 - 1
FL001619*	3.40E-01		0.5 - 1
FL001619	8.30E-01		0 - 0.5
F2579501	1.76E+00	J	0 - 0.5
F2579502	1.38E+00	J	0 - 0.5
F2579503	5.54E-01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

UJ = estimated nondetected value

See Figure 4-29

1 **4.2.2.43 Floodplain Soil Exposure Area 43**

2 Floodplain Soil Exposure Area 43 consists of tax parcels 21-61, 20B-14, 21-22, and 21-1-01,
3 located on the east bank of the river in the Town of Stockbridge. It is approximately 48 acres.
4 Approximately 47 acres lie within the 100-year floodplain and extend to the riverbank. The land
5 use for this exposure area is low-contact recreational.

6 **Floodplain Soil**

7 Ten floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil samples were taken from
8 this exposure area. Of these samples, nine had detected PCB concentrations. The maximum
9 detected PCB concentration was 3.43 mg/kg. This concentration does not exceed the recreational
10 low-contact floodplain soil SRBC of 7 mg/kg; therefore, this exposure area was eliminated from
11 further consideration. Table 4-120 presents the results of the floodplain soil samples collected
12 from Floodplain Soil Exposure Area 43. Figure 4-29 presents the locations of the floodplain soil
13 samples collected from Floodplain Soil Exposure Area 43.

Table 4-120

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 43
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 3.43E+00

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001551	5.00E-01	U	0.5 - 1
FL001551	5.01E-01	U	0 - 0.5
FL001562	6.64E-01	J	0 - 0.5
FL001562	3.45E-01	J	0.5 - 1
F2579504	1.78E+00	J	0 - 0.5
F2579505	1.62E+00	J	0 - 0.5
F2579506	3.62E-01	J	0 - 0.5
F2580004	1.35E+00		0 - 0.5
F2580004*	2.12E+00		0 - 0.5
F2580005	2.63E+00		0 - 0.5
F2580006	3.43E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-29

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1 **4.2.2.44 Floodplain Soil Exposure Area 44**

2 Floodplain Soil Exposure Area 44 consists of tax parcels 20-16, 20-15, 20-14, 20-13-01, 20-21,
3 20B-52, 20-22, 20-23, 20A-27, 20A-25, 20-24, and 20-25, located on both the east and west
4 banks of the river in the Town of Stockbridge. It is approximately 135 acres. Approximately 121
5 acres lie within the 100-year floodplain and extend to the riverbank. The land uses for this
6 exposure area are high-contact recreational and commercial/industrial. This evaluation focuses
7 on high-contact recreational because it is the most sensitive land use.

8 **Floodplain Soil**

9 Sixty-nine floodplain soil samples (0 to 1 ft) and two duplicate floodplain soil samples were
10 taken from this exposure area. Of these samples, 65 had detected PCB concentrations. The
11 maximum detected PCB concentration was 9.8 mg/kg. This concentration exceeds the
12 recreational high-contact floodplain soil SRBC of 5 mg/kg. The 95% UCL for this area was 5.9
13 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected concentration. A
14 comparison of the EPC against the SRBC indicates that this exposure area will require further
15 evaluation. Table 4-121 presents the results of the floodplain soil samples collected from
16 Floodplain Soil Exposure Area 44. Figure 4-30 presents the locations of the floodplain soil
17 samples collected from Floodplain Soil Exposure Area 44.

Table 4-121

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 44
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational and Commercial/Industrial Area

Maximum Detected Concentration: 9.80E+00
 Data Distribution: Default (lognormal)
 95% UCL: 5.90E+00
 EPC: 5.90E+00
 High-Contact Recreational SRBC: 5.00E+00
 Commercial/Industrial SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL000618	1.80E+00		0 - 0.5
FL000619	2.30E+00		0 - 0.5
FL000620	1.00E+00		0 - 0.5
FL000621	3.70E+00		0 - 0.5
FL000622	5.60E+00		0 - 0.5
FL000623	5.60E+00	J	0 - 0.5
FL000624	1.00E+00		0 - 0.5
FL000625	1.90E+00		0 - 0.5
FL000626	1.90E+00		0 - 0.5
FL000627	1.70E+00		0 - 0.5
FL000628	1.70E+00		0 - 0.5
FL000629	3.60E+00		0 - 0.5
FL000630	2.20E+00		0 - 0.5
FL000631	4.40E+00		0 - 0.5
FL000632	5.00E+00	J	0 - 0.5
FL000646	9.11E+00	J	0 - 0.5
FL000647	1.17E+00		0 - 0.5
FL000648	1.09E+00		0 - 0.5
FL000649	1.50E+00		0 - 0.5
FL000650	1.67E+00		0 - 0.5
FL000633	1.91E+00		0 - 0.5
FL000634	1.75E+00		0 - 0.5
FL000635	2.54E+00		0 - 0.5
FL000636	5.38E+00		0 - 0.5
FL000637	4.89E+00		0 - 0.5
FL000638	2.68E+00		0 - 0.5
FL000639	3.96E+00		0 - 0.5
FL000640	3.91E+00		0 - 0.5
FL000641	1.89E+00		0 - 0.5
FL000642	4.05E+00		0 - 0.5
FL000643	2.60E+00		0 - 0.5
FL000644	3.00E+00		0 - 0.5
FL000645	3.94E+00	J	0 - 0.5
FL001248	1.92E+00		0.5 - 1
FL001248	2.46E+00		0 - 0.5
FL001249	3.61E+00		0 - 0.5

Table 4-121

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 44
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
FL001249	2.50E+00		0.5 - 1
FL001250	2.44E+00		0 - 0.5
FL001250	2.88E+00		0.5 - 1
FL001591	5.01E-01	U	0.5 - 1
FL001591*	5.02E-01	U	0 - 0.5
FL001591	5.01E-01	U	0 - 0.5
FL001592	6.27E-01		0 - 0.5
FL001592	3.12E-01	J	0.5 - 1
FL001778	1.90E-02	U	0.5 - 1
FL001778	2.10E-02	U	0 - 0.5
F2680501	4.47E+00		0 - 0.5
F2680502	5.78E+00	J	0 - 0.5
F2680502*	9.80E+00	J	0 - 0.5
F2680503	4.40E+00		0 - 0.5
F2680504	1.78E+00		0 - 0.5
F2680505	4.52E+00		0 - 0.5
F2680506	2.24E+00		0 - 0.5
F2681001	1.07E+00		0 - 0.5
F2681002	1.29E+00		0 - 0.5
F2681003	1.50E+00		0 - 0.5
F2681004	3.06E+00		0 - 0.5
F2782002	2.84E+00		0 - 0.5
F2782003	1.69E+00		0 - 0.5
F2580001	4.11E+00		0 - 0.5
F2580002	3.30E+00		0 - 0.5
F2580003	5.13E+00		0 - 0.5
F2681005	1.92E+00		0 - 0.5
F2681006	4.35E+00		0 - 0.5
F2781501	6.90E-01	J	0 - 0.5
F2781502	3.73E+00		0 - 0.5
F2781503	5.03E-01	U	0 - 0.5
F2781504	1.41E+00		0 - 0.5
F2781505	5.29E+00		0 - 0.5
F2781506	4.19E+00		0 - 0.5
F2782001	5.13E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-30

1 **4.2.2.45 Floodplain Soil Exposure Area 45**

2 Floodplain Soil Exposure Area 45 consists of tax parcels 20-27-01, 20-27, and 20-2, located on
3 the west bank of the river in the Town of Stockbridge. It is approximately 37.4 acres.
4 Approximately 27.2 acres lie within the 100-year floodplain and extend to the riverbank. The
5 land uses for this exposure area are low-contact recreational and commercial/industrial. This
6 evaluation focuses on low-contact recreational because it is the most sensitive land use.

7 **Floodplain Soil**

8 Six floodplain soil samples (0 to 1 ft) were taken from this exposure area. One of these samples
9 had detected PCB concentrations. The detected PCB concentration was 0.23 mg/kg. The
10 concentration does not exceed the recreational low-contact floodplain soil SRBC of 7 mg/kg;
11 therefore, this exposure area was eliminated from further consideration. Table 4-122 presents the
12 results of the floodplain soil samples collected from Floodplain Soil Exposure Area 45. Figure 4-
13 30 presents the locations of the floodplain soil samples collected from Floodplain Soil Exposure
14 Area 45.

Table 4-122

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 45
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational and Commercial/Industrial Area

Maximum Detected Concentration: 2.30E-01

Low-Contact Recreational SRBC: 7.00E+00

Commercial/Industrial SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001220	5.01E-01	UJ	0 - 0.5
FL001220	5.04E-01	UJ	0.5 - 1
FL001579	5.00E-01	U	0 - 0.5
FL001579	5.01E-01	U	0.5 - 1
FL001568	2.30E-01	J	0.5 - 1
FL001568	5.01E-01	U	0 - 0.5

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 4-30

1 **4.2.2.46 Floodplain Soil Exposure Area 46**

2 Floodplain Soil Exposure Area 46 consists of tax parcels 20-1-1, 9-51, and 9-52, located on the
3 west bank of the river in the Town of Stockbridge. It is approximately 75 acres. Approximately
4 43 acres lie within the 100-year floodplain and extend to the riverbank. The land use for this
5 exposure area is low-contact recreational.

6 **Floodplain Soil**

7 Ten floodplain soil samples (0 to 1 ft) were taken from this exposure area. Of these samples,
8 eight had detected PCB concentrations. The maximum detected PCB concentration was 6.08
9 mg/kg. This concentration does not exceed the recreational low-contact floodplain soil SRBC of
10 7 mg/kg; therefore, this exposure area was eliminated from further consideration. Table 4-123
11 presents the results of the floodplain soil samples collected from Floodplain Soil Exposure Area
12 46. Figure 4-31 presents the locations of the floodplain soil samples collected from Floodplain
13 Soil Exposure Area 46.

Table 4-123

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 46
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 6.08E+00

SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001779	1.80E+00	J	0 - 0.5
FL001779	1.30E-01	J	0.5 - 1
FL001780	2.90E+00	J	0 - 0.5
FL001780	2.40E-01	J	0.5 - 1
F2782501	6.08E+00		0 - 0.5
F2782502	2.02E+00		0 - 0.5
F2782503	1.24E+00		0 - 0.5
F2883001	7.12E-01	U	0 - 0.5
F2883002	5.17E-01	U	0 - 0.5
F2883003	1.22E+00		0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 4-31

1 **4.2.2.47 Floodplain Soil Exposure Area 47**

2 Floodplain Soil Exposure Area 47 consists of tax parcel 9-53, located on the east bank of the
3 river in the Town of Stockbridge. It is approximately 36 acres. Approximately 27 acres lie within
4 the 100-year floodplain and extend to the riverbank. The land use for this exposure area is low-
5 contact recreational.

6 **Floodplain Soil**

7 Six floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
8 this exposure area. All of these samples had detected PCB concentrations. The maximum
9 detected PCB concentration was 2.57 mg/kg. This concentration does not exceed the recreational
10 low-contact floodplain soil SRBC of 7 mg/kg; therefore, this exposure area was eliminated from
11 further consideration. Table 4-124 presents the results of the floodplain soil samples collected
12 from Floodplain Soil Exposure Area 47. Figure 4-31 presents the locations of the floodplain soil
13 samples collected from Floodplain Soil Exposure Area 47.

Table 4-124

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 47
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 2.57E+00

SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
F2782004	2.45E+00		0 - 0.5
F2782005	2.20E+00		0 - 0.5
F2782006	1.68E+00		0 - 0.5
F2782504*	1.96E+00		0 - 0.5
F2782504	2.10E+00		0 - 0.5
F2782505	2.57E+00		0 - 0.5
F2782506	2.05E+00		0 - 0.5

* = duplicate sample

See Figure 4-31

1 **4.2.2.48 Floodplain Soil Exposure Area 48**

2 Floodplain Soil Exposure Area 48 consists of tax parcel 9-59, located on the east bank of the
3 river in the Town of Stockbridge. It is approximately 43 acres. Approximately 17 acres lie
4 within the 100-year floodplain and extend to the riverbank. The land use for this exposure area is
5 low-contact recreational.

6 **Floodplain Soil**

7 Six floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
8 this exposure area. Of these samples, five had detected PCB concentrations. The maximum
9 detected PCB concentration was 3.54 mg/kg. This concentration does not exceed the recreational
10 low-contact floodplain soil SRBC of 7 mg/kg; therefore, this exposure area was eliminated from
11 further consideration based on these data. Table 4-125 presents the results of the floodplain soil
12 samples collected from Floodplain Soil Exposure Area 48. Figure 4-32 presents the locations of
13 the floodplain soil samples collected from Floodplain Soil Exposure Area 48.

14 As presented in Section 8, additional GE-collected floodplain soil data were taken from
15 Floodplain Soil Exposure Area 48. As presented in Table 8-1, inclusion of the data will impact
16 the Phase 1 screening result. The maximum detected PCB concentration of the combined
17 EPA/USACE and GE dataset is 13 mg/kg. This concentration exceeds the recreational low-
18 contact floodplain soil SRBC of 7 mg/kg. The 95% UCL of this dataset was 38 mg/kg. The
19 maximum detected concentration is the EPC because it is less than the 95% UCL. A comparison
20 of the EPC against the SRBC indicates that this exposure area will require further evaluation.

Table 4-125

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 48
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 3.54E+00

SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
F2984004	3.54E+00		0 - 0.5
F2984005	5.16E-01	U	0 - 0.5
F2984006	5.10E-01	U	0 - 0.5
F2883504	1.49E+00		0 - 0.5
F2883505	3.99E-01	J	0 - 0.5
F2883505*	4.96E-01	J	0 - 0.5
F2883506	2.78E-01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-32

1 **4.2.2.49 Floodplain Soil Exposure Area 49**

2 Floodplain Soil Exposure Area 49 consists of tax parcels 9-58, 9-56.05, 9-45, 9-44.01, and 9-44
3 located on the west bank of the river in the Town of Stockbridge. It is approximately 15 acres.
4 Approximately 6.5 acres lie within the 100-year floodplain and extend to the riverbank. The land
5 use for this exposure area is low-contact recreational.

6 **Floodplain Soil**

7 Seven floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
8 from this exposure area. Of these samples, six had detected PCB concentrations. The maximum
9 detected PCB concentration was 3.53 mg/kg. This concentration does not exceed the recreational
10 low-contact floodplain soil SRBC of 7 mg/kg; therefore, this exposure area was eliminated from
11 further consideration. Table 4-126 presents the results of the floodplain soil samples collected
12 from Floodplain Soil Exposure Area 49. Figure 4-32 presents the locations of the floodplain soil
13 samples collected from Floodplain Soil Exposure Area 49.

Table 4-126

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 49
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 3.53E+00

SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001812*	1.80E+00		0 - 0.5
FL001812	5.50E-01		0 - 0.5
FL001812	1.20E+00		0 - 0.5
FL001813	2.10E-01		0.5 - 1
FL001813	1.00E-01		0 - 0.5
F2883501	5.17E-01	U	0 - 0.5
F2883502	5.12E-01	U	0 - 0.5
F2883503	3.53E+00		0 - 0.5

U = not detected at reported value

See Figure 4-32

1 **4.2.2.50 Floodplain Soil Exposure Area 50**

2 Floodplain Soil Exposure Area 50 consists of tax parcels 9-42 and 9-41, located on the west bank
3 of the river in the Town of Stockbridge. It is approximately 1.2 acres. Approximately 0.8 acre lies
4 within the 100-year floodplain and extends to the riverbank. The land use for this exposure area is
5 high-contact recreational.

6 **Floodplain Soil**

7 Four floodplain soil samples (0 to 1 ft) were taken from this exposure area. None of these samples
8 detected PCB concentrations. Based on these results, this exposure area was eliminated from
9 further consideration. Table 4-127 presents the results of the floodplain soil samples collected from
10 Floodplain Soil Exposure Area 50. Figure 4-32 presents the locations of the floodplain soil samples
11 collected from Floodplain Soil Exposure Area 50.

Table 4-127

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 50
(Results in mg/kg; Depth in feet)**

High-Contact Recreational Area

Maximum Detected Concentration: ND

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001221	5.10E-01	UJ	0 - 0.5
FL001221	5.07E-01	UJ	0.5 - 1
FL001581	5.02E-01	U	0.5 - 1
FL001581	5.02E-01	U	0 - 0.5

ND = not detected

U = not detected at reported value

UJ = estimated nondetected value

See Figure 4-32

1 **4.2.2.51 Floodplain Soil Exposure Area 51**

2 Floodplain Soil Exposure Area 51 consists of tax parcels 8-30, 8-28, 8-25.01, and 8-26, located
3 on the west bank of the river in the Town of Stockbridge. It is approximately 8.0 acres.
4 Approximately 3.8 acres lie within the 100-year floodplain and extend to the riverbank. The land
5 use for this exposure area is low-contact residential.

6 **Floodplain Soil**

7 Four floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken from
8 this exposure area. Of these samples, three had detected PCB concentrations. The maximum
9 detected PCB concentration was 14 mg/kg. This concentration exceeds the residential low-
10 contact floodplain soil SRBC of 5 mg/kg. The 95% UCL for this area was not calculated because
11 of the sample size; therefore, the maximum detected concentration is the EPC. A comparison of
12 the EPC against the SRBC indicates that this floodplain soil exposure area will require further
13 evaluation. Table 4-128 presents the results of the floodplain soil samples collected from
14 Floodplain Soil Exposure Area 51. Figure 4-33 presents the locations of the floodplain soil
15 samples collected from Floodplain Soil Exposure Area 51.

Table 4-128

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 51
(Results in mg/kg; Depth in feet)**

Low-Contact Residential Area

Maximum Detected Concentration: 1.40E+01

Data Distribution: NA

95% UCL: NA

EPC: 1.40E+01

SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001781	1.40E+01		0.5 - 1
FL001781	1.20E+01		0 - 0.5
FL001782	2.10E-02	U	0.5 - 1
FL001782*	2.20E-02	U	0.5 - 1
FL001782	1.30E-01		0 - 0.5

* = duplicate sample

NA = not applicable, insufficient number of samples

U = not detected at reported value

See Figure 4-33

1 **4.2.2.52 Floodplain Soil Exposure Area 52**

2 Floodplain Soil Exposure Area 52 consists of tax parcels 8-35, 5-7, and 6-13.01, located on the
3 east bank of the river in the Town of Stockbridge. It is approximately 252 acres. Approximately
4 19 acres lie within the 100-year floodplain and extend to the riverbank. The land use for this
5 exposure area is low-contact recreational.

6 **Floodplain Soil**

7 Eighteen floodplain soil samples (0 to 1 ft) and two duplicate floodplain soil samples were taken
8 from this exposure area. Of these samples, 14 had detected PCB concentrations. The maximum
9 detected PCB concentration was 3.37 mg/kg. This concentration does not exceed the recreational
10 low-contact floodplain soil SRBC of 7 mg/kg; therefore, this exposure area was eliminated from
11 further consideration. Table 4-129 presents the results of the floodplain soil samples collected
12 from Floodplain Soil Exposure Area 52. Figure 4-33 presents the locations of the floodplain soil
13 samples collected from Floodplain Soil Exposure Area 52.

Table 4-129

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 52
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 3.37E+00

SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001588	5.00E-01	U	0 - 0.5
FL001588	5.00E-01	U	0.5 - 1
FL001589	5.00E-01	U	0 - 0.5
FL001589	5.00E-01	U	0.5 - 1
FL001590	3.37E+00		0 - 0.5
FL001590	2.35E+00		0.5 - 1
F2984504	1.81E+00		0 - 0.5
F3085505	4.72E-01	J	0 - 0.5
F3085505*	2.86E-01	J	0 - 0.5
F3085506	3.69E-01	J	0 - 0.5
F3186504	5.62E-01		0 - 0.5
F3186505	3.74E-01	J	0 - 0.5
F2984505	1.15E+00		0 - 0.5
F2984506	4.29E-01	J	0 - 0.5
F2984506*	4.41E-01	J	0 - 0.5
F3085004	1.50E+00		0 - 0.5
F3085005	1.60E+00		0 - 0.5
F3085006	5.07E-01	U	0 - 0.5
F3085504	2.40E+00		0 - 0.5
F3186506	5.01E-01	U	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-33

1 **4.2.2.53 Floodplain Soil Exposure Area 53**

2 Floodplain Soil Exposure Area 53 consists of tax parcels 8-25, 5-7, and 5-12, located on the west
3 bank of the river in the Town of Stockbridge. It is approximately 44 acres. Approximately 13.6
4 acres lie within the 100-year floodplain and extend to the riverbank. The land use for this
5 exposure area is low-contact recreational.

6 **Floodplain Soil**

7 Twenty-one floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were
8 taken from this exposure area. Of these samples, 18 had detected PCB concentrations. The
9 maximum detected PCB concentration was 19.1 mg/kg. This concentration exceeds the
10 recreational low-contact floodplain soil SRBC of 7 mg/kg. The 95% UCL for this area was 14.1
11 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected concentration. A
12 comparison of the EPC against the SRBC indicates that this exposure area will require further
13 evaluation. Table 4-130 presents the results of the floodplain soil samples collected from
14 Floodplain Soil Exposure Area 53. Figure 4-33 presents the locations of the floodplain soil
15 samples collected from Floodplain Soil Exposure Area 53.

Table 4-130

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 53
(Results in mg/kg; Depth in feet)**

Low-Contact Recreational Area

Maximum Detected Concentration: 1.91E+01
 Data Distribution: Default (lognormal)
 95% UCL: 1.41E+01
 EPC: 1.41E+01
 SRBC: 7.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001552	1.91E+01		0 - 0.5
FL001552	1.68E+00		0.5 - 1
FL001553	6.98E-01	J	0.5 - 1
FL001553	9.71E+00		0 - 0.5
FL001554	5.02E-01	U	0.5 - 1
FL001554	3.12E-01	J	0 - 0.5
FL001555*	7.01E-01		0.5 - 1
FL001555	6.81E-01		0.5 - 1
FL001555	1.18E+01		0 - 0.5
FL001556	4.72E+00		0 - 0.5
FL001556	6.59E+00		0.5 - 1
FL001557	5.00E-01	U	0 - 0.5
FL001557	5.00E-01	U	0.5 - 1
F2984501	2.00E+00		0 - 0.5
F2984502	2.72E+00		0 - 0.5
F2984503	1.59E+00		0 - 0.5
F3186001	2.87E+00		0 - 0.5
F3186002	4.74E+00		0 - 0.5
F3186003	9.04E+00		0 - 0.5
F3085501	5.05E-01	UJ	0 - 0.5
F3085502	3.93E+00	J	0 - 0.5
F3085503	1.49E+00		0 - 0.5

* = duplicate sample
 J = estimated detected value
 U = not detected at reported value
 UJ = estimated nondetected value
 See Figure 4-33

1 **4.2.2.54 Floodplain Soil Exposure Area 54**

2 Floodplain Soil Exposure Area 54 consists of tax parcels 2-22, 2-50, and 2-51, located on the
3 west bank of the river in the Town of Great Barrington. It is approximately 5.1 acres.
4 Approximately 2.3 acres lie within the 100-year floodplain and extend to the riverbank. The land
5 use for this exposure area is commercial/industrial.

6 **Floodplain Soil**

7 Five floodplain soil samples (0 to 1 ft) were taken from this exposure area. Of these samples,
8 four had detected PCB concentrations. The maximum detected PCB concentration was 3 mg/kg.
9 This concentration does not exceed the commercial/industrial floodplain soil SRBC of 20 mg/kg;
10 therefore, this exposure area was eliminated from further consideration. Table 4-131 presents the
11 results of the floodplain soil samples collected from Floodplain Soil Exposure Area 54. Figure 4-
12 34 presents the locations of the floodplain soil samples collected from Floodplain Soil Exposure
13 Area 54.

Table 4-131

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 54
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Area

Maximum Detected Concentration: 3.00E+00

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001811	1.20E+00		0 - 0.5
FL001811	3.00E+00		0.5 - 1
F3287001	2.65E+00		0 - 0.5
F3287002	5.02E-01	U	0 - 0.5
F3287003	8.76E-01		0 - 0.5

U = not detected at reported value

See Figure 4-34

1 **4.2.2.55 Floodplain Soil Exposure Area 55**

2 Floodplain Soil Exposure Area 55 consists of tax parcels 2-24, 2-23B, 2-23, 2-48, 2-49, and 2-
3 52, located on the east bank of the river in the Town of Great Barrington. It is approximately 36
4 acres. Approximately 0.6 acre lies within the 100-year floodplain and extends to the riverbank.
5 The land use for this exposure area is commercial/industrial.

6 **Floodplain Soil**

7 Four floodplain soil samples (0 to 1 ft) were taken from this exposure area. None of these samples
8 had detected PCB concentrations; therefore, this exposure area was eliminated from further
9 consideration. Table 4-132 presents the results of the floodplain soil samples collected from
10 Floodplain Soil Exposure Area 55. Figure 4-34 presents the locations of the floodplain soil samples
11 collected from Floodplain Soil Exposure Area 55.

Table 4-132

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 55
(Results in mg/kg; Depth in feet)**

Commercial/Industrial Area

Maximum Detected Concentration: ND

SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
F3287004	5.02E-01	U	0 - 0.5
F3287005	5.01E-01	U	0 - 0.5
FL001824	1.80E-02	U	0 - 0.5
FL001824	1.70E-02	U	0.5 - 1

ND = not detected

U = not detected at reported value

See Figure 4-34

1 **4.2.2.56 Floodplain Soil Exposure Area 56**

2 Floodplain Soil Exposure Area 56 consists of tax parcels 2-58, 2-66, 2-75, 4-10, and 4-9, located
3 on the east bank of the river in the Town of Great Barrington. It is approximately 28 acres.
4 Approximately 13 acres lie within the 100-year floodplain and extend to the riverbank. The land
5 uses for this exposure area are high-contact recreational and commercial/industrial. This
6 evaluation focuses on high-contact recreational because it is the most sensitive land use.

7 **Floodplain Soil**

8 Twenty-one floodplain soil samples (0 to 1 ft) and two duplicate floodplain soil samples were
9 taken from this exposure area. Of these samples, 26 had detected PCB concentrations. The
10 maximum detected PCB concentration was 6 mg/kg. This concentration exceeds the recreational
11 high-contact floodplain soil SRBC of 5 mg/kg. The 95% UCL for this area was 3.12 mg/kg. The
12 95% UCL is the EPC because it is less than the maximum detected concentration. A comparison
13 of the EPC against the SRBC indicates that this exposure area will not require further evaluation.
14 Table 4-133 presents the results of the floodplain soil samples collected from Floodplain Soil
15 Exposure Area 56. Figure 4-35 presents the locations of the floodplain soil samples collected
16 from Floodplain Soil Exposure Area 56.

Table 4-133

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 56
(Results in mg/kg; Depth in feet)**

High-Contact Recreational and Commercial/Industrial Area

Maximum Detected Concentration: 6.00E+00
 Data Distribution: Default (lognormal)
 95% UCL: 3.12E+00
 EPC: 3.12E+00
 High-Contact Recreational SRBC: 5.00E+00
 Commercial/Industrial SRBC: 2.00E+01

Sample Identification	Result	Qualifier	Depth Interval
FL001239	1.01E+00		0 - 0.5
FL001239	5.77E+00		0.5 - 1
FL001723	9.20E-01		0 - 0.5
FL001723	8.60E-01		0.5 - 1
FL001724	2.90E+00	J	0 - 0.5
FL001724	2.70E+00	J	0.5 - 1
BS000141	1.16E+00		0 - 0.5
BS000141	9.36E-01		0.5 - 1
FL001235	5.00E-01	U	0 - 0.5
FL001235	5.01E-01	U	0.5 - 1
FL001236	5.05E-01	U	0 - 0.5
FL001236	5.01E-01	U	0.5 - 1
FL001237	1.01E+00		0 - 0.5
FL001237	5.03E-01	U	0.5 - 1
FL001238	5.04E-01	U	0 - 0.5
FL001238	5.03E-01	U	0.5 - 1
FL001429	3.17E-01	J	0.5 - 1
FL001429	6.00E+00	J	0 - 0.5
FL001718	4.10E-02		0.5 - 1
FL001718	2.00E-01		0 - 0.5
FL001719	5.60E-01		0.5 - 1
FL001719	4.00E-01		0 - 0.5
FL001719*	3.40E-01		0 - 0.5
FL001720	3.40E+00	J	0 - 0.5
FL001720	1.40E+00		0.5 - 1
FL001721	1.20E-01		0 - 0.5
FL001721	8.00E-01		0.5 - 1
FL001722	2.82E+00		0 - 0.5
FL001722	3.90E+00		0.5 - 1
F3287504	3.59E+00	J	0 - 0.5
F3287505	2.16E+00	J	0 - 0.5
F3287506	9.24E-01	J	0 - 0.5
F3287506*	1.08E+00	J	0 - 0.5

* = duplicate sample
 J = estimated detected value
 U = not detected at reported value
 See Figure 4-35

1 **4.2.2.57 Floodplain Soil Exposure Area 57**

2 Floodplain Soil Exposure Area 57 consists of tax parcels 2-53, 2-54, 2-55, 2-56, 2-57A, 2-57, 3-
3 84, 4-42, and 5-8, located on the west bank of the river in the Town of Great Barrington. It is
4 approximately 108 acres. Approximately 11 acres lie within the 100-year floodplain and extend
5 to the riverbank. The land uses for this exposure area are low-contact residential and high-
6 contact recreational.

7 **Floodplain Soil**

8 Seven floodplain soil samples (0 to 1 ft) and one duplicate floodplain soil sample were taken
9 from this exposure area. All of these samples had detected PCB concentrations. The maximum
10 detected PCB concentration was 2.2 mg/kg. This concentration does not exceed the residential
11 low-contact and the recreational high-contact floodplain soil SRBCs of 5 mg/kg; therefore, this
12 exposure area was eliminated from further consideration. Table 4-134 presents the results of the
13 floodplain soil samples collected from Floodplain Soil Exposure Area 57. Figure 4-35 presents
14 the locations of the floodplain soil samples collected from Floodplain Soil Exposure Area 57.

Table 4-134

**Floodplain Soil PCB Results for Floodplain Soil Exposure Area 57
(Results in mg/kg; Depth in feet)**

Low-Contact Residential and High-Contact Recreational Area

Maximum Detected Concentration: 2.20E+00

Low-Contact Residential SRBC: 5.00E+00

High-Contact Recreational SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL001818	5.30E-01		0.5 - 1
FL001818	1.30E+00		0 - 0.5
FL001819*	7.60E-01		0 - 0.5
FL001819	2.20E+00		0.5 - 1
FL001819	8.10E-01		0 - 0.5
F3287502	6.34E-01		0 - 0.5
F3287503	1.54E+00		0 - 0.5
F3287501	6.15E-01		0 - 0.5

* = duplicate sample

See Figure 4-35

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1 **4.3 RIVERBANK SOIL AND SEDIMENT EXPOSURE**

2 **4.3.1 Riverbank Soil Screen**

3 Riverbank soil was screened on a reach-wide basis. Riverbank soil data were limited because of
4 the absence of a clearly defined riverbank in most areas and a significantly reduced level of PCB
5 contamination compared to Reaches 5 and 6. Four riverbank soil samples (0 to 1 ft) were taken
6 from Reaches 7 and 8. Of these samples, three had detected PCB concentrations. The maximum
7 detected PCB concentration was 1.1 mg/kg. This concentration does not exceed the most
8 conservative high-contact residential riverbank soil SRBC of 2 mg/kg. These results and the
9 limited amount of riverbank in these reaches suggest that the riverbank soil in Reaches 7 and 8
10 may not require further evaluation in the Phase 2 BHHRA. Table 4-135 summarizes the Reach 7
11 and 8 riverbank soil data.

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2
3

Table 4-135

Summary of the Reach 7 and 8 Riverbank Soil Data

Frequency of Detection	Range of Detected Concentrations	Range of Sample Quantitation Limits
3/4	0.44 – 1.1	0.501 – 0.501

4
5

Results are presented in mg/kg.

1 **4.3.2 Sediment Screen**

2 A review of the sediment data from Reaches 7 and 8 showed that PCB concentrations greater
3 than the sediment SRBCs were typically present directly upstream of the various impoundment
4 areas along the river. There was little or no PCB contamination at areas where the river was
5 relatively free flowing. Therefore, sediment data were separated into “impoundment areas” and
6 “other free-flowing areas.” The sediment used in this evaluation was located close to the
7 riverbank where human contact would most likely occur and did not typically include sediment
8 in the middle of impoundment areas. Reaches 7 and 8 have nine sediment exposure areas that
9 were evaluated. Figure 4-36 is an index of the sediment exposure area figures.

10 Of the nine exposure areas, five had maximum detected concentrations and EPCs of PCBs that
11 exceeded the applicable sediment SRBCs. Table 4-136 lists the exposure area descriptions, the
12 table and figure references, and the results of the Phase 1 screening analysis.

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2
3
4

Table 4-136
Summary of the Sediment Exposure Area
Phase 1 Screening Results*

Sediment Exposure Area	Table/Figure Reference	Screening Result
Woods Pond Dam to Golden Hill Road	Table 4-137; Figure 4-37	Eliminated
Columbia Mill Dam Impoundment Area	Table 4-138; Figure 4-38	Retained
Eagle Mill Dam Impoundment Area	Table 4-139; Figure 4-39	Retained
Route 20 Bridge to Meadow Street Bridge	Table 4-140; Figure 4-40	Eliminated
Willow Mill Dam Impoundment Area	Table 4-141; Figure 4-41	Retained
Willow Mill Dam Impoundment Area to Glendale Middle Road	Table 4-142; Figure 4-42	Eliminated
Glendale Dam Impoundment Area	Table 4-143; Figure 4-43	Retained
Glendale Dam Impoundment Area to Route 183 Bridge	Table 4-144; Figure 4-44	Eliminated
Rising Pond Impoundment Area	Table 4-145; Figure 4-45	Retained

5
6
7
8
9

*Includes sediment near both banks of the river.
Eliminated – Eliminated from consideration.
Retained – Retained for further evaluation in Phase 2.

1 **4.3.2.1 Woods Pond Dam to Golden Hill Road**

2 This area begins at the Woods Pond Dam and extends downstream to the Golden Hill Road
3 Bridge. The river in this area has no impoundments and is free flowing.

4 **Sediment**

5 Eleven sediment samples (0 to 0.5 ft) and two duplicate sediment samples were taken from the
6 area near the shorelines. Of these samples, five had detected PCB concentrations. The maximum
7 detected PCB concentration was 1.45 mg/kg. This concentration does not exceed the high- or
8 low-contact sediment SRBCs of 3 and 5 mg/kg, respectively; therefore, the sediment in this area
9 was eliminated from further consideration. Table 4-137 presents the results of the sediment
10 samples collected from this area. Figure 4-37 presents the locations of the sediment samples
11 collected from this area.

Table 4-137

**Sediment PCB Results for the Area between the Woods Pond Dam
and Golden Hill Road
(Results in mg/kg; Depth in feet)**

High/Low-Contact Area

Maximum Detected Concentration: 1.45E+00

High-Contact SRBC: 3.00E+00

Low-Contact SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SE001228*	1.10E+00		0 - 0.5
SE001228	1.45E+00		0 - 0.5
SE001229	2.80E-01		0 - 0.5
SE001229*	5.00E-01	U	0 - 0.5
SD146801	4.26E-01	J	0 - 0.5
SD146803	6.62E-01	J	0 - 0.5
SD146851	5.01E-01	U	0 - 0.5
SD156951	5.01E-01	U	0 - 0.5
SD156952	5.01E-01	U	0 - 0.5
SD156953	5.03E-01	U	0 - 0.5
SD146853	5.00E-01	U	0 - 0.5
SD156901	5.01E-01	U	0 - 0.5
SD156903	5.02E-01	U	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

See Figure 4-37

1 **4.3.2.2 Columbia Mill Dam Impoundment Area**

2 This area is located directly upstream of the Columbia Mill Dam. The river in this area is slow
3 moving because of the impoundment.

4 **Sediment**

5 Four sediment samples (0 to 0.5 ft) were taken from the area near the shorelines. Of these
6 samples, three had detected PCB concentrations. The maximum detected PCB concentration was
7 19.2 mg/kg. This concentration exceeds the high- and low-contact sediment SRBCs of 3 and 5
8 mg/kg, respectively. The 95% UCL for this area was not calculated because of the sample size;
9 therefore, the maximum detected concentration is the EPC. A comparison of the EPC against the
10 SRBCs indicates that the sediment in this area will require further evaluation. Table 4-138
11 presents the results of the sediment samples collected from this area. Figure 4-38 presents the
12 locations of the sediment samples collected from this area.

Table 4-138

**Sediment PCB Results for the Columbia Mill Dam Impoundment Area
(Results in mg/kg; Depth in feet)**

High/Low-Contact Area

Maximum Detected Concentration: 1.92E+01

Data Distribution: NA

95% UCL: NA

EPC: 1.92E+01

High-Contact SRBC: 3.00E+00

Low-Contact SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SE001208	7.48E-01		0 - 0.5
SE001210	1.92E+01		0 - 0.5
SD167001	1.13E+01		0 - 0.5
SD167003	5.01E-01	U	0 - 0.5

NA = not applicable, insufficient number of samples

U = not detected at reported value

See Figure 4-38

1 **4.3.2.3 Eagle Mill Dam Impoundment Area**

2 This area is located directly upstream of the Eagle Mill Dam. The river in this area is slow
3 moving because of the impoundment.

4 **Sediment**

5 Eight sediment samples (0 to 0.5 ft) were taken from the area near the shorelines. Of these
6 samples, five had detected PCB concentrations. The maximum detected PCB concentration was
7 24.6 mg/kg. This concentration exceeds the high- and low-contact sediment SRBCs of 3 and 5
8 mg/kg, respectively. The 95% UCL for this area was 309 mg/kg. The maximum detected
9 concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC against
10 the SRBCs indicates that the sediment in this area will require further evaluation. Table 4-139
11 presents the results of the sediment samples collected from this area. Figure 4-39 presents the
12 locations of the sediment samples collected from this area.

Table 4-139

**Sediment PCB Results for the Eagle Mill Dam Impoundment Area
(Results in mg/kg; Depth in feet)**

High/Low-Contact Area

Maximum Detected Concentration: 2.46E+01

Data Distribution: Default (lognormal)

95% UCL: 3.09E+02

EPC: 2.46E+01

High-Contact SRBC: 3.00E+00

Low-Contact SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SE001152	5.89E-01		0 - 0.5
SE001153	1.08E+00		0 - 0.5
SE001224	1.20E+01		0 - 0.5
SE001225	6.59E-01		0 - 0.5
SD167051	5.00E-01	U	0 - 0.5
SD167053	5.01E-01	U	0 - 0.5
SD177101	5.14E-01	U	0 - 0.5
SD177103	2.46E+01		0 - 0.5

U = not detected at reported value

See Figure 4-39

1 **4.3.2.4 Route 20 Bridge to Meadow Street Bridge**

2 This area begins at the Eagle Mill Dam and extends downstream to the Meadow Street Bridge.

3 The river in this area has no impoundments and is free flowing.

4 **Sediment**

5 Forty-four sediment samples (0 to 0.5 ft) and four duplicate sediment samples were taken from
6 the area near the shorelines. Of these samples, 22 had detected PCB concentrations. The
7 maximum detected PCB concentration was 4.29 mg/kg. This concentration exceeds the high-
8 contact sediment SRBC of 3 mg/kg. The 95% UCL for this area was 0.731 mg/kg. The 95%
9 UCL is the EPC because it is less than the maximum detected concentration. A comparison of
10 the EPC against the SRBC indicates that the sediment in this area will not require further
11 evaluation. Table 4-140 presents the results of the sediment samples collected from this area.
12 Figure 4-40 presents the locations of the sediment samples collected from this area.

Table 4-140

**Sediment PCB Results for the Area between Route 20 and Meadow Street
(Results in mg/kg; Depth in feet)**

High/Low-Contact Area

Maximum Detected Concentration: 4.29E+00

Data Distribution: Default (lognormal)

95% UCL: 7.31E-01

EPC: 7.31E-01

High-Contact SRBC: 3.00E+00

Low-Contact SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SE001157	5.01E-01	U	0 - 0.5
SE001158	4.80E-01	J	0 - 0.5
SE001159	7.68E-01		0 - 0.5
SE001160*	3.30E-01	J	0 - 0.5
SE001160	3.47E-01	J	0 - 0.5
SE001161	8.93E-01		0 - 0.5
SE001162	3.98E-01	J	0 - 0.5
SE001163	5.01E-01	U	0 - 0.5
SE001164	5.01E-01	U	0 - 0.5
SE001165	5.03E-01	U	0 - 0.5
SE001166	2.19E-01	J	0 - 0.5
SE001167	2.30E-01		0 - 0.5
SE001168	5.03E-01	U	0 - 0.5
SE001169	5.25E-01		0 - 0.5
SE001226	5.60E-02		0 - 0.5
SE001227	4.84E-01	J	0 - 0.5
SE001235	3.55E+00		0 - 0.5
SE001154	5.01E-01	U	0 - 0.5
SE001155	9.33E-01		0 - 0.5
SE001156	1.16E+00		0 - 0.5
SE001207	8.51E-01		0 - 0.5
SD177151	5.01E-01	U	0 - 0.5
SD177153	5.01E-01	U	0 - 0.5
SD187201	5.02E-01	U	0 - 0.5
SD187203	4.29E+00		0 - 0.5
SD197351	6.98E-01	U	0 - 0.5
SD197353	8.55E-01	J	0 - 0.5
SD197401	5.27E-01	U	0 - 0.5
SD197402	5.01E-01	U	0 - 0.5
SD197403	5.01E-01	UJ	0 - 0.5

Table 4-140

**Sediment PCB Results for the Area between Route 20 and Meadow Street
(Results in mg/kg; Depth in feet)
(Continued)**

Sample Identification	Result	Qualifier	Depth Interval
SD187251	5.01E-01	U	0 - 0.5
SD187253	5.00E-01	U	0 - 0.5
SD187253*	5.01E-01	UJ	0 - 0.5
SD187301	5.05E-01	J	0 - 0.5
SD187302	5.01E-01	UJ	0 - 0.5
SD187303	5.01E-01	UJ	0 - 0.5
SD207451	5.01E-01	U	0 - 0.5
SD207453	5.03E-01	U	0 - 0.5
SD207501	5.00E-01	U	0 - 0.5
SD207501*	5.01E-01	U	0 - 0.5
SD207503	5.01E-01	U	0 - 0.5
SD217551	1.06E+00		0 - 0.5
SD217553	5.01E-01	U	0 - 0.5
SD227653	4.95E-01	J	0 - 0.5
SD217601	5.00E-01	U	0 - 0.5
SD217603	5.02E-01	U	0 - 0.5
SD227651*	3.25E+00		0 - 0.5
SD227651	3.47E+00		0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 4-40

1 **4.3.2.5 Willow Mill Dam Impoundment Area**

2 This area is located directly upstream of the Willow Mill Dam. The river in this area is slow
3 moving because of the impoundment.

4 **Sediment**

5 Five sediment samples (0 to 0.5 ft) were taken from the area near the shorelines. All of these
6 samples had detected PCB concentrations. The maximum detected PCB concentration was 5.11
7 mg/kg. This concentration exceeds the high- and low-contact sediment SRBCs of 3 and 5 mg/kg,
8 respectively. The 95% UCL for this area was 23.7 mg/kg. The maximum detected concentration
9 is the EPC because it is less than the 95% UCL. A comparison of the EPC against the SRBCs
10 indicates that the sediment in this area will require further evaluation. Table 4-141 presents the
11 results of the sediment samples collected from this area. Figure 4-41 presents the locations of the
12 sediment samples collected from this area.

Table 4-141

**Sediment PCB Results for the Willow Mill Dam Impoundment Area
(Results in mg/kg; Depth in feet)**

High/Low-Contact Area

Maximum Detected Concentration: 5.11E+00
Data Distribution: Lognormal
95% UCL: 2.37E+01
EPC: 5.11E+00
High-Contact SRBC: 3.00E+00
Low-Contact SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SE001170	1.57E+00		0 - .5
SE001214	1.17E+00		0 - .5
SE001216	5.10E-01		0 - .5
SD227701	4.16E+00		0 - .5
SD227703	5.11E+00		0 - .5

See Figure 4-41

1 **4.3.2.6 Willow Mill Dam Impoundment Area to Glendale Middle Road**

2 This area begins at the Willow Mill Dam impoundment area and extends downstream to
3 Glendale Middle Road. The river in this area has no impoundments and is free flowing.

4 **Sediment**

5 Twenty-six sediment samples (0 to 0.5 ft) and six duplicate sediment samples were taken from
6 the area near the shorelines. Of these samples, 17 had detected PCB concentrations. The
7 maximum detected PCB concentration was 1.32 mg/kg. This concentration does not exceed the
8 high- or low-contact sediment SRBCs of 3 and 5 mg/kg, respectively; therefore, the sediment in
9 this area will not require further evaluation. Table 4-142 presents the results of the sediment
10 samples collected from this area. Figure 4-42 presents the locations of the sediment samples
11 collected from this area.

Table 4-142
Sediment PCB Results for the Area between the Willow Mill Dam
Impoundment Area and Glendale Middle Road
(Results in mg/kg; Depth in feet)

High/Low-Contact Area

Maximum Detected Concentration: 1.32E+00

High-Contact SRBC: 3.00E+00

Low-Contact SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SE001231	8.90E-01		0 - 0.5
SD247851	5.02E-01	U	0 - 0.5
SD247853	5.01E-01	U	0 - 0.5
SD247901	5.01E-01	U	0 - 0.5
SD247903	3.90E-01	J	0 - 0.5
SD247903*	3.00E-01	J	0 - 0.5
SD258001	5.20E-02		0 - 0.5
SD258003	5.99E-01	U	0 - 0.5
SD258053	5.01E-01	U	0 - 0.5
SD258053*	5.01E-01	U	0 - 0.5
SD278201	4.09E-01	J	0 - 0.5
SD278201*	5.27E-01	J	0 - 0.5
SD278203	6.97E-01		0 - 0.5
SD278251*	5.02E-01	U	0 - 0.5
SD278251	5.04E-01	U	0 - 0.5
SD288351	6.40E-01		0 - 0.5
SD288353	1.32E+00		0 - 0.5
SD288353*	1.10E+00		0 - 0.5
SD237751	5.01E-01	UJ	0 - 0.5
SD237753	5.01E-01	UJ	0 - 0.5
SD237801	2.72E-01	J	0 - 0.5
SD237803	3.86E-01	J	0 - 0.5
SD257951	5.02E-01	U	0 - 0.5
SD257953	5.02E-01	UJ	0 - 0.5
SD268101	9.22E-01		0 - 0.5
SD268103	6.08E-01		0 - 0.5
SD278151	8.73E-01		0 - 0.5
SD278153	5.02E-01	U	0 - 0.5
SD278153*	5.02E-01	U	0 - 0.5
SD278253	5.02E-01	U	0 - 0.5
SD288301	4.91E-01	J	0 - 0.5
SD288303	3.76E-01	J	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 4-42

1 **4.3.2.7 Glendale Dam Impoundment Area**

2 This area is located directly upstream of the Glendale Dam. The river in this area is slow moving
3 because of the impoundment.

4 **Sediment**

5 Four sediment samples (0 to 0.5 ft) were taken from the area near the shorelines. All of these
6 samples had detected PCB concentrations. The maximum detected PCB concentration was 37.5
7 mg/kg. This concentration exceeds the high- and low-contact sediment SRBCs of 3 and 5 mg/kg,
8 respectively. The 95% UCL for this area was not calculated because of the sample size;
9 therefore, the maximum detected concentration is the EPC. A comparison of the EPC against the
10 SRBCs indicates that the sediment in the area will require further evaluation. Table 4-143
11 presents the results of the sediment samples collected from this area. Figure 4-43 presents the
12 locations of the sediment samples collected from this area.

Table 4-143

**Sediment PCB Results for the Glendale Dam Impoundment Area
(Results in mg/kg; Depth in feet)**

High/Low-Contact Area

Maximum Detected Concentration: 3.75E+01

Data Distribution: NA

95% UCL: NA

EPC: 3.75E+01

High-Contact SRBC: 3.00E+00

Low-Contact SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SE001211	3.75E+01		0 - .5
SE001213	1.46E+01		0 - .5
SD298401	1.00E+01		0 - .5
SD298403	9.44E+00		0 - .5

NA = not applicable, insufficient number of samples

See Figure 4-43

1 **4.3.2.8 Glendale Dam Impoundment Area to Route 183 Bridge**

2 This area begins downstream of the Glendale Dam impoundment area and extends downstream
3 to the Route 183 Bridge at the beginning of Rising Pond impoundment area. The river in this
4 area has no impoundments and is free flowing.

5 **Sediment**

6 Nineteen sediment samples (0 to 0.5 ft) and one duplicate sediment sample were taken from the
7 area near the shorelines. Of these samples, six had detected PCB concentrations. The maximum
8 detected PCB concentration was 4.68 mg/kg. This concentration exceeds the high-contact
9 sediment SRBCs of 3 mg/kg. The 95% UCL for this area was 1.48 mg/kg. The 95% UCL is the
10 EPC because it is less than the maximum detected concentration. A comparison of the EPC
11 against the SRBC indicates that the sediment in this area will not require further evaluation.
12 Table 4-144 presents the results of the sediment samples collected from this area. Figure 4-44
13 presents the locations of the sediment samples collected from this area.

Table 4-144

**Sediment PCB Results for the Area between Glendale Dam
and Route 183 Bridge
(Results in mg/kg; Depth in feet)**

High/Low-Contact Area

Maximum Detected Concentration: 4.68E+00
 Data Distribution: Default (lognormal)
 95% UCL: 1.48E+00
 EPC: 1.48E+00
 High-Contact SRBC: 3.00E+00
 Low-Contact SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SE001171	3.55E-01	J	0 - 0.5
SE001172	4.68E+00		0 - 0.5
SE001234	3.54E-01	J	0 - 0.5
SE001220	5.00E-01	UJ	0 - 0.5
SE001221	1.97E+00		0 - 0.5
SE001222	5.01E-01	UJ	0 - 0.5
SE001223	1.05E+00	J	0 - 0.5
SD308551	5.07E-01	U	0 - 0.5
SD308553	5.22E-01	U	0 - 0.5
SD308601	1.70E-02	U	0 - 0.5
SD308603	5.02E-01	U	0 - 0.5
SD298451	5.49E-01	U	0 - 0.5
SD298453	5.16E-01	U	0 - 0.5
SD308501	5.01E-01	U	0 - 0.5
SD308503	5.02E-01	U	0 - 0.5
SD318651	5.00E-01	U	0 - 0.5
SD318651*	5.01E-01	U	0 - 0.5
SD318653	6.20E-02	J	0 - 0.5
SD328701	5.01E-01	UJ	0 - 0.5
SD328703	5.01E-01	UJ	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

See Figure 4-44

1 **4.3.2.9 Rising Pond Impoundment Area**

2 This area includes Rising Pond. The river in this area is slow moving because of the
3 impoundment.

4 **Sediment**

5 Fourteen sediment samples (0 to 0.5 ft) were taken from the area near the shorelines. Of these
6 samples, nine had detected PCB concentrations. The maximum detected PCB concentration was
7 11.2 mg/kg. This concentration exceeds the high- and low-contact sediment SRBCs of 3 and 5
8 mg/kg, respectively. The 95% UCL for this area was 18.3 mg/kg. The maximum detected
9 concentration is the EPC because it is less than the 95% UCL. A comparison of the EPC against
10 the SRBCs indicates that the sediment in this area will require further evaluation. Table 4-145
11 presents the results of the sediment samples collected from this area. Figure 4-45 presents the
12 locations of the sediment samples collected from this area.

Table 4-145

**Sediment PCB Results for Rising Pond
(Results in mg/kg; Depth in feet)**

High/Low-Contact Area

Maximum Detected Concentration: 1.12E+01
 Data Distribution: Default (lognormal)
 95% UCL: 1.83E+01
 EPC: 1.12E+01
 High-Contact SRBC: 3.00E+00
 Low-Contact SRBC: 5.00E+00

Sample Identification	Result	Qualifier	Depth Interval
SE001028	7.63E+00	J	0 - 0.5
SE001030	3.53E+00	J	0 - 0.5
SE001033	3.20E+00	J	0 - 0.5
SE001034	6.35E-01	UJ	0 - 0.5
SE001035	5.00E-01	UJ	0 - 0.5
SE001036	8.65E-01	UJ	0 - 0.5
SE001038	1.12E+01	J	0 - 0.5
SE001039	4.45E+00	J	0 - 0.5
SE001041	6.13E+00	J	0 - 0.5
SE001043	4.28E-01	J	0 - 0.5
SE001044	5.01E+00	J	0 - 0.5
SE001047	4.15E-01	J	0 - 0.5
SD328751	5.01E-01	UJ	0 - 0.5
SD328753	5.00E-01	UJ	0 - 0.5

J = estimated detected value

UJ = estimated nondetected value

See Figure 4-45

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1 **4.4 SUMMARY OF RESULTS**

2 The preceding subsections presented the screening results for each high-contact residential
3 property and floodplain soil exposure area by exposure medium. Floodplain soil PCB data were
4 evaluated in Subsection 4.2. Sediment PCB data were evaluated in Subsection 4.3. To allow for
5 an overall review, floodplain and sediment data in Reaches 7 and 8 were combined for each tax
6 parcel as presented in Tables 4-146 and 4-147. Table 4-146 presents this information for the
7 high-contact residential properties. It includes the tax parcel identification, the town in which the
8 tax parcel is located, and the results of the screening evaluation for floodplain and sediment
9 exposure. Table 4-147 presents this information by floodplain soil exposure area for all other
10 land uses. It includes the floodplain soil exposure area designation, the tax parcels included
11 within each exposure area, the town in which the tax parcels are located, and the results of the
12 screening evaluation for floodplain soil and sediment exposure. The table and figure references
13 are included in each table so that more detailed information can be easily accessed.

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Table 4-146

**Summary of the High-Contact Residential Floodplain Soil
Phase 1 Screening Results for Reaches 7 and 8**

Tax Parcel ID	Town	Phase 1 Screening Result	
		Floodplain Soil	Sediment
4-73	Lenox	Transferred (Table 4-2; Figure 4-2)	Eliminated (Table 4-137; Figure 4-37)
8-38; 8-37	Lee	Eliminated (Table 4-3; Figure 4-3)	Eliminated (Table 4-137; Figure 4-37)
8-48	Lee	Transferred (Table 4-4; Figure 4-3)	Retained (Table 4-138; Figure 4-38)
18A-117	Lee	Eliminated (Table 4-5; Figure 4-4)	Eliminated (Table 4-140; Figure 4-40)
25A-138	Lee	Eliminated (Table 4-6; Figure 4-5)	Eliminated (Table 4-140; Figure 4-40)
25-33	Lee	Eliminated (Table 4-7; Figure 4-5)	Eliminated (Table 4-140; Figure 4-40)
25-34	Lee	Eliminated (Table 4-8; Figure 4-5)	Eliminated (Table 4-140; Figure 4-40)
29-104; 29-105	Lee	Transferred (Table 4-9; Figure 4-26)	Eliminated (Table 4-140; Figure 4-40)
29-102	Lee	Eliminated (Table 4-10; Figure 4-6)	Eliminated (Table 4-140; Figure 4-40)
29-101	Lee	Transferred (Table 4-11; Figure 4-6)	Retained (Table 4-141; Figure 4-41)
29-100	Lee	Transferred (Table 4-12; Figure 4-6)	Retained (Table 4-141; Figure 4-41)
29-89	Lee	Eliminated (Table 4-13; Figure 4-6)	Retained (Table 4-141; Figure 4-41)
29-88	Lee	Eliminated (Table 4-14; Figure 4-6)	Retained (Table 4-141; Figure 4-41)
29-87	Lee	Eliminated (Table 4-15; Figure 4-6)	Retained (Table 4-141; Figure 4-41)
29-86	Lee	Eliminated (Table 4-16; Figure 4-6)	Retained (Table 4-141; Figure 4-41)
29-85	Lee	Transferred (NA; Figure 4-6)	Retained (Table 4-141; Figure 4-41)
29-84	Lee	Transferred (NA; Figure 4-6)	Retained (Table 4-141; Figure 4-41)

Table 4-146

**Summary of the High-Contact Residential Floodplain Soil
Phase 1 Screening Results for Reaches 7 and 8
(Continued)**

Tax Parcel ID	Town	Phase 1 Screening Result	
		Floodplain Soil	Sediment
29-83	Lee	Transferred (Table 4-17; Figure 4-6)	Retained (Table 4-141; Figure 4-41)
29-82	Lee	Eliminated (Table 4-18; Figure 4-6)	Retained (Table 4-141; Figure 4-41)
29-81	Lee	Eliminated (Table 4-19; Figure 4-6)	Retained (Table 4-141; Figure 4-41)
29-80	Lee	Eliminated (Table 4-20; Figure 4-6)	Retained (Table 4-141; Figure 4-41)
29-78; 29-79	Lee	Transferred (Table 4-21; Figure 4-7)	Retained (Table 4-141; Figure 4-41)
29-77	Lee	Eliminated (Table 4-22; Figure 4-7)	Retained (Table 4-141; Figure 4-41)
29-76	Lee	To be determined (NA; Figure 4-7)	Retained (Table 4-141; Figure 4-41)
29-75	Lee	Transferred (Table 4-23; Figure 4-7)	Retained (Table 4-141; Figure 4-41)
29-74	Lee	Transferred (Table 4-24; Figure 4-7)	Retained (Table 4-141; Figure 4-41)
29-73	Lee	Transferred (Table 4-25; Figure 4-7)	Retained (Table 4-141; Figure 4-41)
29-72	Lee	Transferred (Table 4-26; Figure 4-7)	Retained (Table 4-141; Figure 4-41)
29-70	Lee	Transferred (Table 4-27; Figure 4-7)	Retained (Table 4-141; Figure 4-41)
29-65	Lee	Eliminated (Table 4-28; Figure 4-7)	Eliminated (Table 4-142; Figure 4-42)
29-64	Lee	Eliminated (Table 4-29; Figure 4-7)	Eliminated (Table 4-142; Figure 4-42)
29-63	Lee	Eliminated (Table 4-30; Figure 4-7)	Eliminated (Table 4-142; Figure 4-42)
29-62	Lee	Eliminated (Table 4-31; Figure 4-7)	Eliminated (Table 4-142; Figure 4-42)
29-61	Lee	Eliminated (Table 4-32; Figure 4-7)	Eliminated (Table 4-142; Figure 4-42)

Table 4-146

**Summary of the High-Contact Residential Floodplain Soil
Phase 1 Screening Results for Reaches 7 and 8
(Continued)**

Tax Parcel ID	Town	Phase 1 Screening Result	
		Floodplain Soil	Sediment
29-60	Lee	Transferred (Table 4-33; Figure 4-7)	Eliminated (Table 4-142; Figure 4-42)
26A-61	Stockbridge	Eliminated (Table 4-34; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-60	Stockbridge	Eliminated (Table 4-35; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-58	Stockbridge	Eliminated (Table 4-36; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-56	Stockbridge	Eliminated (Table 4-37; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-55	Stockbridge	Eliminated (Table 4-38; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-54	Stockbridge	Eliminated (Table 4-39; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-53	Stockbridge	Transferred (Table 4-40; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-52	Stockbridge	Eliminated (Table 4-41; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-51	Stockbridge	To be determined (NA; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-50.01	Stockbridge	Eliminated (Table 4-42; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-41	Stockbridge	Transferred (Table 4-43; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-40	Stockbridge	Transferred (Table 4-44; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-40.01	Stockbridge	Eliminated (Table 4-45; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-36.01	Stockbridge	Eliminated (Table 4-46; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-36	Stockbridge	Eliminated (Table 4-47; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-36.02	Stockbridge	Eliminated (NA; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)

Table 4-146

**Summary of the High-Contact Residential Floodplain Soil
Phase 1 Screening Results for Reaches 7 and 8
(Continued)**

Tax Parcel ID	Town	Phase 1 Screening Result	
		Floodplain Soil	Sediment
26A-32	Stockbridge	Eliminated (Table 4-48; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-27	Stockbridge	Eliminated (Table 4-49; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-26.01	Stockbridge	Transferred (Table 4-50; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26A-24	Stockbridge	Transferred (Table 4-51; Figure 4-8)	Eliminated (Table 4-142; Figure 4-42)
26-84	Stockbridge	Eliminated (Table 4-52; Figure 4-9)	Eliminated (Table 4-142; Figure 4-42)
21-65	Stockbridge	Eliminated (Table 4-53; Figure 4-9)	Eliminated (Table 4-142; Figure 4-42)
21-64	Stockbridge	Eliminated (Table 4-54; Figure 4-9)	Eliminated (Table 4-142; Figure 4-42)
21-63	Stockbridge	Eliminated (Table 4-55; Figure 4-9)	Eliminated (Table 4-142; Figure 4-42)
20-13	Stockbridge	Eliminated (Table 4-56; Figure 4-10)	Eliminated (Table 4-142; Figure 4-42)
20A-43	Stockbridge	Transferred (Table 4-57; Figure 4-11)	Eliminated (Table 4-142; Figure 4-42)
20A-42	Stockbridge	To be determined (Table 4-58; Figure 4-11)	Eliminated (Table 4-142; Figure 4-42)
20A-38	Stockbridge	Eliminated (Table 4-59; Figure 4-11)	Eliminated (Table 4-142; Figure 4-42)
20A-37	Stockbridge	Eliminated (Table 4-60; Figure 4-11)	Eliminated (Table 4-142; Figure 4-42)
20A-34	Stockbridge	Eliminated (Table 4-61; Figure 4-11)	Eliminated (Table 4-142; Figure 4-42)
20A-33	Stockbridge	Eliminated (Table 4-62; Figure 4-11)	Eliminated (Table 4-142; Figure 4-42)
20-4	Stockbridge	Transferred (Table 4-63; Figure 4-12)	Eliminated (Table 4-142; Figure 4-42)
9-54.02	Stockbridge	Transferred (Table 4-64; Figure 4-13)	Eliminated (Table 4-142; Figure 4-42)

Table 4-146

**Summary of the High-Contact Residential Floodplain Soil
Phase 1 Screening Results for Reaches 7 and 8
(Continued)**

Tax Parcel ID	Town	Phase 1 Screening Result	
		Floodplain Soil	Sediment
9-54.01	Stockbridge	To be determined (Table 4-65; Figure 4-13)	Eliminated (Table 4-142; Figure 4-42)
9-56.03	Stockbridge	To be determined (NA; Figure 4-13)	Eliminated (Table 4-142; Figure 4-42)
9-56.01	Stockbridge	Eliminated (Table 4-66; Figure 4-13)	Eliminated (Table 4-142; Figure 4-42)
9-56.02	Stockbridge	Transferred (NA; Figure 4-13)	Eliminated (Table 4-142; Figure 4-42)
9-57	Stockbridge	Transferred (NA; Figure 4-13)	Eliminated (Table 4-142; Figure 4-42)
9-43	Stockbridge	Eliminated (Table 4-67; Figure 4-14)	Eliminated (Table 4-142; Figure 4-42)
9-39	Stockbridge	Eliminated (Table 4-68; Figure 4-14)	Eliminated (Table 4-142; Figure 4-42)
9-38	Stockbridge	Eliminated (Table 4-69; Figure 4-14)	Eliminated (Table 4-142; Figure 4-42)
9-37	Stockbridge	Eliminated (Table 4-70; Figure 4-14)	Retained (Table 4-143; Figure 4-43)
5-31	Stockbridge	Eliminated (Table 4-71; Figure 4-15)	Eliminated (Table 4-144; Figure 4-44)
5-23	Stockbridge	Eliminated (Table 4-72; Figure 4-15)	Eliminated (Table 4-144; Figure 4-44)
5-22	Stockbridge	Transferred (Table 4-73; Figure 4-15)	Eliminated (Table 4-144; Figure 4-44)
6-1	Stockbridge	Eliminated (Table 4-74; Figure 4-15)	Eliminated (Table 4-144; Figure 4-44)
6-2	Stockbridge	Eliminated (Table 4-75; Figure 4-15)	Eliminated (Table 4-144; Figure 4-44)
6-3	Stockbridge	Transferred (Table 4-76; Figure 4-15)	Eliminated (Table 4-144; Figure 4-44)

- 1 Eliminated = Eliminated from further consideration.
- 2 NA = Not applicable. No sampling performed on this tax parcel.
- 3 Retained = Retained for more detailed evaluation in Phase 2.
- 4 Transferred = These high-contact residential properties were transferred to GE.

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Table 4-147

**Summary of Floodplain Soil Exposure Areas
Phase 1 Screening Results for Reaches 7 and 8**

Floodplain Soil Exposure Area	Tax Parcel ID	Town	Phase 1 Screening Result	
			Floodplain Soil	Sediment
1	4-64	Lenox	Eliminated (Table 4-78; Figure 4-17)	Eliminated (Table 4-137; Figure 4-37)
	4-65	Lenox	Eliminated (Table 4-78; Figure 4-17)	Eliminated (Table 4-137; Figure 4-37)
	4-66	Lenox	Eliminated (Table 4-78; Figure 4-17)	Eliminated (Table 4-137; Figure 4-37)
	4-72	Lenox	Eliminated (Table 4-78; Figure 4-17)	Eliminated (Table 4-137; Figure 4-37)
2	2-2A	Lee	Eliminated (Table 4-79; Figure 4-17)	Eliminated (Table 4-137; Figure 4-37)
	2-1B	Lee	Eliminated (Table 4-79; Figure 4-17)	Eliminated (Table 4-137; Figure 4-37)
	2-6A	Lee	Eliminated (Table 4-79; Figure 4-17)	Eliminated (Table 4-137; Figure 4-37)
	2-6	Lee	Eliminated (Table 4-79; Figure 4-17)	Eliminated (Table 4-137; Figure 4-37)
	2-4A	Lee	Eliminated (Table 4-79; Figure 4-17)	Eliminated (Table 4-137; Figure 4-37)
	2-4	Lee	Eliminated (Table 4-79; Figure 4-17)	Eliminated (Table 4-137; Figure 4-37)
	2-34	Lenox	Eliminated (Table 4-79; Figure 4-17)	Eliminated (Table 4-137; Figure 4-37)
	2-32	Lenox	Eliminated (Table 4-79; Figure 4-17)	Eliminated (Table 4-137; Figure 4-37)
3	38-44	Lenox	Retained (Table 4-80; Figure 4-18)	Eliminated (Table 4-137; Figure 4-37)
	38-45	Lenox	Retained (Table 4-80; Figure 4-18)	Eliminated (Table 4-137; Figure 4-37)
	38-48	Lenox	Retained (Table 4-80; Figure 4-18)	Eliminated (Table 4-137; Figure 4-37)
	38-49	Lenox	Retained (Table 4-80; Figure 4-18)	Eliminated (Table 4-137; Figure 4-37)
	2-30	Lenox	Retained (Table 4-80; Figure 4-18)	Eliminated (Table 4-137; Figure 4-37)

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**Summary of Floodplain Soil Exposure Areas
Phase 1 Screening Results for Reaches 7 and 8
(Continued)**

Floodplain Soil Exposure Area	Tax Parcel ID	Town	Phase 1 Screening Result	
			Floodplain Soil	Sediment
	2-29	Lenox	Retained (Table 4-80; Figure 4-18)	Eliminated (Table 4-137; Figure 4-37)
4	2-31	Lenox	Retained (Table 4-81; Figure 4-18)	Eliminated (Table 4-137; Figure 4-37)
	2-42	Lenox	Retained (Table 4-81; Figure 4-18)	Eliminated (Table 4-137; Figure 4-37)
5	8-38	Lee	Retained (Table 4-82; Figure 4-19)	Eliminated (Table 4-137; Figure 4-37)
6	8-1	Lee	Eliminated (Table 4-83; Figure 4-19)	Eliminated (Table 4-137; Figure 4-37)
7	8-35	Lee	Eliminated (Table 4-84; Figure 4-19)	Eliminated (Table 4-137; Figure 4-37)
	8-44	Lee	Eliminated (Table 4-84; Figure 4-19)	Eliminated (Table 4-137; Figure 4-37)
8	8-50	Lee	Retained (Table 4-85; Figure 4-20)	Retained (Table 4-138; Figure 4-38)
	13-1	Lee	Retained (Table 4-85; Figure 4-20)	Retained (Tables 4-138 and 4-139; Figure 4-38, 4-39)
	12A-64	Lee	Retained (Table 4-85; Figure 4-20)	Retained (Table 4-139; Figure 4-39)
	12A-63	Lee	Retained (Table 4-85; Figure 4-20)	Retained (Table 4-139; Figure 4-39)
	12A-65	Lee	Retained (Table 4-85; Figure 4-20)	Retained (Table 4-139; Figure 4-39)
9	7-49A	Lee	Retained (Table 4-86; Figure 4-20)	Retained (Table 4-138; Figure 4-38)
	8-49	Lee	Retained (Table 4-86; Figure 4-20)	Retained Table 4-138; Figure 4-38)
10	12-205	Lee	Retained (Table 4-87; Figure 4-20)	Retained (Table 4-139; Figure 4-39)
	12A-64	Lee	Retained (Table 4-87; Figure 4-20)	Retained (Table 4-139; Figure 4-39)

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**Summary of Floodplain Soil Exposure Areas
Phase 1 Screening Results for Reaches 7 and 8
(Continued)**

Floodplain Soil Exposure Area	Tax Parcel ID	Town	Phase 1 Screening Result	
			Floodplain Soil	Sediment
	12A-65	Lee	Retained (Table 4-87; Figure 4-20)	Retained (Table 4-139; Figure 4-39)
11	12A-87	Lee	Eliminated (Table 4-88; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
	12A-88	Lee	Eliminated (Table 4-88; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
	12A-89	Lee	Eliminated (Table 4-88; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
12	12A-97	Lee	Eliminated (Table 4-89; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
	12A-98	Lee	Eliminated (Table 4-89; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
	12A-99	Lee	Eliminated (Table 4-89; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
13	12A-52	Lee	Retained (Table 4-90; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
	12A-51	Lee	Retained (Table 4-90; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
	18A-21A	Lee	Retained (Table 4-90; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
	18A-123	Lee	Retained (Table 4-90; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
	18A-60	Lee	Retained (Table 4-90; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
14	12A-104	Lee	Eliminated (Table 4-91; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
15	18A-44	Lee	Eliminated (Table 4-92; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
	18A-46	Lee	Eliminated (Table 4-92; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
	18A-48	Lee	Eliminated (Table 4-92; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
	18A-50A	Lee	Eliminated (Table 4-92; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)

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**Summary of Floodplain Soil Exposure Areas
Phase 1 Screening Results for Reaches 7 and 8
(Continued)**

Floodplain Soil Exposure Area	Tax Parcel ID	Town	Phase 1 Screening Result	
			Floodplain Soil	Sediment
	18A-50	Lee	Eliminated (Table 4-92; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
	18A-51	Lee	Eliminated (Table 4-92; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
	18A-61	Lee	Eliminated (Table 4-92; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
	18A-62	Lee	Eliminated (Table 4-92; Figure 4-21)	Eliminated (Table 4-140; Figure 4-40)
16	18A-118	Lee	Eliminated (Table 4-93; Figure 4-22)	Eliminated (Table 4-140; Figure 4-40)
17	18A-120A	Lee	Eliminated (Table 4-94; Figure 4-22)	Eliminated (Table 4-140; Figure 4-40)
	18A-121	Lee	Eliminated (Table 4-94; Figure 4-22)	Eliminated (Table 4-140; Figure 4-40)
	19A-90	Lee	Eliminated (Table 4-94; Figure 4-22)	Eliminated (Table 4-140; Figure 4-40)
18	19-1	Lee	Eliminated (Table 4-95; Figure 4-22)	Eliminated (Table 4-140; Figure 4-40)
19	18A-118A	Lee	Eliminated (Table 4-96; Figure 4-22)	Eliminated (Table 4-140; Figure 4-40)
20	18-190	Lee	Eliminated (Table 4-97; Figure 4-22)	Eliminated (Table 4-140; Figure 4-40)
	18-82	Lee	Eliminated (Table 4-97; Figure 4-22)	Eliminated (Table 4-140; Figure 4-40)
21	19-2	Lee	Retained (Table 4-98; Figure 4-22)	Eliminated (Table 4-140; Figure 4-40)
	19-5	Lee	Retained (Table 4-98; Figure 4-22)	Eliminated (Table 4-140; Figure 4-40)
	19-8	Lee	Retained (Table 4-98; Figure 4-22)	Eliminated (Table 4-140; Figure 4-40)
22	19-10	Lee	Eliminated (Table 4-99; Figure 4-22)	Eliminated (Table 4-140; Figure 4-40)
	19-11	Lee	Eliminated (Table 4-99; Figure 4-22)	Eliminated (Table 4-140; Figure 4-40)

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**Summary of Floodplain Soil Exposure Areas
Phase 1 Screening Results for Reaches 7 and 8
(Continued)**

Floodplain Soil Exposure Area	Tax Parcel ID	Town	Phase 1 Screening Result	
			Floodplain Soil	Sediment
	19-12A	Lee	Eliminated (Table 4-99; Figure 4-22)	Eliminated (Table 4-140; Figure 4-40)
	19-12	Lee	Eliminated (Table 4-99; Figure 4-22)	Eliminated (Table 4-140; Figure 4-40)
23	25-6	Lee	Retained (Table 4-100; Figure 4-23)	Eliminated (Table 4-140; Figure 4-40)
24	25-105	Lee	Eliminated (Table 4-101; Figure 4-23)	Eliminated (Table 4-140; Figure 4-40)
	25-7	Lee	Eliminated (Table 4-101; Figure 4-23)	Eliminated (Table 4-140; Figure 4-40)
	25-8	Lee	Eliminated (Table 4-101; Figure 4-23)	Eliminated (Table 4-140; Figure 4-40)
	25-32	Lee	Eliminated (Table 4-101; Figure 4-23)	Eliminated (Table 4-140; Figure 4-40)
25	25-37	Lee	Eliminated (Table 4-102; Figure 4-24)	Eliminated (Table 4-140; Figure 4-40)
	25-39	Lee	Eliminated (Table 4-102; Figure 4-24)	Eliminated (Table 4-140; Figure 4-40)
	25-41	Lee	Eliminated (Table 4-102; Figure 4-24)	Eliminated (Table 4-140; Figure 4-40)
	25-43	Lee	Eliminated (Table 4-102; Figure 4-24)	Eliminated (Table 4-140; Figure 4-40)
	25-45	Lee	Eliminated (Table 4-102; Figure 4-24)	Eliminated (Table 4-140; Figure 4-40)
	25-48	Lee	Eliminated (Table 4-102; Figure 4-24)	Eliminated (Table 4-140; Figure 4-40)
	25-50	Lee	Eliminated (Table 4-102; Figure 4-24)	Eliminated (Table 4-140; Figure 4-40)
	25-100	Lee	Eliminated (Table 4-102; Figure 4-24)	Eliminated (Table 4-140; Figure 4-40)
	25-89	Lee	Eliminated (Table 4-102; Figure 4-24)	Eliminated (Table 4-140; Figure 4-40)
26	25-54	Lee	Eliminated (Table 4-103; Figure 4-24)	Eliminated (Table 4-140; Figure 4-40)

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**Summary of Floodplain Soil Exposure Areas
Phase 1 Screening Results for Reaches 7 and 8
(Continued)**

Floodplain Soil Exposure Area	Tax Parcel ID	Town	Phase 1 Screening Result	
			Floodplain Soil	Sediment
	25-55	Lee	Eliminated (Table 4-103; Figure 4-24)	Eliminated (Table 4-140; Figure 4-40)
	25-56	Lee	Eliminated (Table 4-103; Figure 4-24)	Eliminated (Table 4-140; Figure 4-40)
	25-91	Lee	Eliminated (Table 4-103; Figure 4-24)	Eliminated (Table 4-140; Figure 4-40)
27	25-101	Lee	Eliminated (Table 4-104; Figure 4-24)	Eliminated (Table 4-140; Figure 4-40)
	25-103	Lee	Eliminated (Table 4-104; Figure 4-24)	Eliminated (Table 4-140; Figure 4-40)
28	31-7	Lee	Eliminated (Table 4-105; Figure 4-25)	Eliminated (Table 4-140; Figure 4-40)
	31-2	Lee	Eliminated (Table 4-105; Figure 4-25)	Eliminated (Table 4-140; Figure 4-40)
	31-5	Lee	Eliminated (Table 4-105; Figure 4-25)	Eliminated (Table 4-140; Figure 4-40)
	31-15	Lee	Eliminated (Table 4-105; Figure 4-25)	Eliminated (Table 4-140; Figure 4-40)
	30-81	Lee	Eliminated (Table 4-105; Figure 4-25)	Eliminated (Table 4-140; Figure 4-40)
	35-17	Lee	Eliminated (Table 4-105; Figure 4-25)	Eliminated (Table 4-140; Figure 4-40)
29	31-7	Lee	Eliminated (Table 4-106; Figure 4-25)	Eliminated (Table 4-140; Figure 4-40)
	31-2	Lee	Eliminated (Table 4-106; Figure 4-25)	Eliminated (Table 4-140; Figure 4-40)
30	31-12	Lee	Eliminated (Table 4-107; Figure 4-25)	Eliminated (Table 4-140; Figure 4-40)
	35-17	Lee	Eliminated (Table 4-107; Figure 4-25)	Eliminated (Table 4-140; Figure 4-40)
31	35-17A	Lee	Retained (Table 4-108; Figure 4-26)	Eliminated (Table 4-140; Figure 4-40)
	35-5A	Lee	Retained (Table 4-108; Figure 4-26)	Eliminated (Table 4-140; Figure 4-40)

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**Summary of Floodplain Soil Exposure Areas
Phase 1 Screening Results for Reaches 7 and 8
(Continued)**

Floodplain Soil Exposure Area	Tax Parcel ID	Town	Phase 1 Screening Result	
			Floodplain Soil	Sediment
	35-2	Lee	Retained (Table 4-108; Figure 4-26)	Eliminated (Table 4-140; Figure 4-40)
	35-1A	Lee	Retained (Table 4-108; Figure 4-26)	Eliminated (Table 4-140; Figure 4-40)
32	35-1	Lee	Retained (Table 4-109; Figure 4-26)	Eliminated (Table 4-140; Figure 4-40)
33	30-72	Lee	Eliminated (Table 4-110; Figure 4-26)	Eliminated (Table 4-140; Figure 4-40)
34	30-71	Lee	Eliminated (Table 4-111; Figure 4-26)	Eliminated (Table 4-140; Figure 4-40)
	29-90	Lee	Eliminated (Table 4-111; Figure 4-26)	Eliminated (Table 4-140; Figure 4-40)
35	29-93A	Lee	Retained (Table 4-112; Figure 4-27)	Retained (Table 4-141; Figure 4-41)
36	29-68	Lee	Eliminated (Table 4-113; Figure 4-27)	Retained (Table 4-141; Figure 4-41)
	29-91	Lee	Eliminated (Table 4-113; Figure 4-27)	Retained (Table 4-141; Figure 4-41)
37	25-9	Stockbridge	Eliminated (Table 4-114; Figure 4-28)	Eliminated (Table 4-142; Figure 4-42)
	25-8	Stockbridge	Eliminated (Table 4-114; Figure 4-28)	Eliminated (Table 4-142; Figure 4-42)
	25-8-01	Stockbridge	Eliminated (Table 4-114; Figure 4-28)	Eliminated (Table 4-142; Figure 4-42)
	26-87	Stockbridge	Eliminated (Table 4-114; Figure 4-28)	Eliminated (Table 4-142; Figure 4-42)
38	25-86	Stockbridge	Eliminated (Table 4-115; Figure 4-28)	Eliminated (Table 4-142; Figure 4-42)
	26-83	Stockbridge	Eliminated (Table 4-115; Figure 4-28)	Eliminated (Table 4-142; Figure 4-42)
39	26A-16	Stockbridge	Eliminated (Table 4-116; Figure 4-28)	Eliminated (Table 4-142; Figure 4-42)
	26A-15-02	Stockbridge	Eliminated (Table 4-116; Figure 4-28)	Eliminated (Table 4-142; Figure 4-42)

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**Summary of Floodplain Soil Exposure Areas
Phase 1 Screening Results for Reaches 7 and 8
(Continued)**

Floodplain Soil Exposure Area	Tax Parcel ID	Town	Phase 1 Screening Result	
			Floodplain Soil	Sediment
40	21-62	Stockbridge	Retained (Table 4-117; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
41	21-59	Stockbridge	Eliminated (Table 4-118; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
	21-60	Stockbridge	Eliminated (Table 4-118; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
42	21-61	Stockbridge	Eliminated (Table 4-119; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
	20B-33	Stockbridge	Eliminated (Table 4-119; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
	20B-14	Stockbridge	Eliminated (Table 4-119; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
	20B-13	Stockbridge	Eliminated (Table 4-119; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
	20B-12	Stockbridge	Eliminated (Table 4-119; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
	20B-11	Stockbridge	Eliminated (Table 4-119; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
	20B-5	Stockbridge	Eliminated (Table 4-119; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
	20B-6	Stockbridge	Eliminated (Table 4-119; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
	20B-4	Stockbridge	Eliminated (Table 4-119; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
43	21-61	Stockbridge	Eliminated (Table 4-120; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
	20B-14	Stockbridge	Eliminated (Table 4-120; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
	21-22	Stockbridge	Eliminated (Table 4-120; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
	21-1-01	Stockbridge	Eliminated (Table 4-120; Figure 4-29)	Eliminated (Table 4-142; Figure 4-42)
44	20-16	Stockbridge	Retained (Table 4-121; Figure 4-30)	Eliminated (Table 4-142; Figure 4-42)

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**Summary of Floodplain Soil Exposure Areas
Phase 1 Screening Results for Reaches 7 and 8
(Continued)**

Floodplain Soil Exposure Area	Tax Parcel ID	Town	Phase 1 Screening Result	
			Floodplain Soil	Sediment
	20-15	Stockbridge	Retained (Table 4-121; Figure 4-30)	Eliminated (Table 4-142; Figure 4-42)
	20-14	Stockbridge	Retained (Table 4-121; Figure 4-30)	Eliminated (Table 4-142; Figure 4-42)
	20-13-01	Stockbridge	Retained (Table 4-121; Figure 4-30)	Eliminated (Table 4-142; Figure 4-42)
	20-21	Stockbridge	Retained (Table 4-121; Figure 4-30)	Eliminated (Table 4-142; Figure 4-42)
	20B-52	Stockbridge	Retained (Table 4-121; Figure 4-30)	Eliminated (Table 4-142; Figure 4-42)
	20-22	Stockbridge	Retained (Table 4-121; Figure 4-30)	Eliminated (Table 4-142; Figure 4-42)
	20-23	Stockbridge	Retained (Table 4-121; Figure 4-30)	Eliminated (Table 4-142; Figure 4-42)
	20A-27	Stockbridge	Retained (Table 4-121; Figure 4-30)	Eliminated (Table 4-142; Figure 4-42)
	20A-25	Stockbridge	Retained (Table 4-121; Figure 4-30)	Eliminated (Table 4-142; Figure 4-42)
	20-24	Stockbridge	Retained (Table 4-121; Figure 4-30)	Eliminated (Table 4-142; Figure 4-42)
	20-25	Stockbridge	Retained (Table 4-121; Figure 4-30)	Eliminated (Table 4-142; Figure 4-42)
45	20-27-01	Stockbridge	Eliminated (Table 4-122; Figure 4-30)	Eliminated (Table 4-142; Figure 4-42)
	20-27	Stockbridge	Eliminated (Table 4-122; Figure 4-30)	Eliminated (Table 4-142; Figure 4-42)
	20-2	Stockbridge	Eliminated (Table 4-122; Figure 4-30)	Eliminated (Table 4-142; Figure 4-42)
46	20-1-1	Stockbridge	Eliminated (Table 4-123; Figure 4-31)	Eliminated (Table 4-142; Figure 4-42)
	9-51	Stockbridge	Eliminated (Table 4-123; Figure 4-31)	Eliminated (Table 4-142; Figure 4-42)
	9-52	Stockbridge	Eliminated (Table 4-123; Figure 4-31)	Eliminated (Table 4-142; Figure 4-42)

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**Summary of Floodplain Soil Exposure Areas
Phase 1 Screening Results for Reaches 7 and 8
(Continued)**

Floodplain Soil Exposure Area	Tax Parcel ID	Town	Phase 1 Screening Result	
			Floodplain Soil	Sediment
47	9-53	Stockbridge	Eliminated (Table 4-124; Figure 4-31)	Eliminated (Table 4-142; Figure 4-42)
48	9-59	Stockbridge	Retained (Table 4-125; Figure 4-32)	Eliminated (Table 4-142; Figure 4-42)
49	9-58	Stockbridge	Eliminated (Table 4-126; Figure 4-32)	Eliminated (Table 4-142; Figure 4-42)
	9-56.05	Stockbridge	Eliminated (Table 4-126; Figure 4-32)	Eliminated (Table 4-142; Figure 4-42)
	9-44.01	Stockbridge	Eliminated (Table 4-126; Figure 4-32)	Eliminated (Table 4-142; Figure 4-42)
	9-45	Stockbridge	Eliminated (Table 4-126; Figure 4-32)	Eliminated (Table 4-142; Figure 4-42)
	9-44	Stockbridge	Eliminated (Table 4-126; Figure 4-32)	Eliminated (Table 4-142; Figure 4-42)
50	9-42	Stockbridge	Eliminated (Table 4-127; Figure 4-32)	Eliminated (Table 4-142; Figure 4-42)
	9-41	Stockbridge	Eliminated (Table 4-127; Figure 4-32)	Eliminated (Table 4-142; Figure 4-42)
51	8-30	Stockbridge	Retained (Table 4-128; Figure 4-15)	Eliminated (Table 4-144; Figure 4-44)
	8-28	Stockbridge	Retained (Table 4-128; Figure 4-15)	Eliminated (Table 4-144; Figure 4-44)
	8-25	Stockbridge	Retained (Table 4-128; Figure 4-15)	Eliminated (Table 4-144; Figure 4-44)
	8-26	Stockbridge	Retained (Table 4-128; Figure 4-15)	Eliminated (Table 4-144; Figure 4-44)
52	8-35	Stockbridge	Eliminated (Table 4-129; Figure 4-33)	Retained (Table 4-143; Figure 4-43)
	5-7	Stockbridge	Eliminated (Table 4-129; Figure 4-33)	Eliminated (Table 4-144; Figure 4-44)
	6-13-01	Stockbridge	Eliminated (Table 4-129; Figure 4-33)	Eliminated (Table 4-144; Figure 4-44)
53	8-25	Stockbridge	Retained (Table 4-130; Figure 4-33)	Eliminated (Table 4-144; Figure 4-44)

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**Summary of Floodplain Soil Exposure Areas
Phase 1 Screening Results for Reaches 7 and 8
(Continued)**

Floodplain Soil Exposure Area	Tax Parcel ID	Town	Phase 1 Screening Result	
			Floodplain Soil	Sediment
	5-7	Stockbridge	Retained (Table 4-130; Figure 4-33)	Eliminated (Table 4-144; Figure 4-44)
	5-12	Stockbridge	Retained (Table 4-130; Figure 4-33)	Eliminated (Table 4-144; Figure 4-44)
54	2-22	Great Barrington	Eliminated (Table 4-131; Figure 4-34)	Eliminated (Table 4-144; Figure 4-44)
	2-50	Great Barrington	Eliminated (Table 4-131; Figure 4-34)	Eliminated (Table 4-144; Figure 4-44)
	2-51	Great Barrington	Eliminated (Table 4-131; Figure 4-34)	Eliminated (Table 4-144; Figure 4-44)
55	2-24	Great Barrington	Eliminated (Table 4-132; Figure 4-34)	Eliminated (Table 4-144; Figure 4-44)
	2-23B	Great Barrington	Eliminated (Table 4-132; Figure 4-34)	Eliminated (Table 4-144; Figure 4-44)
	2-23	Great Barrington	Eliminated (Table 4-132; Figure 4-34)	Eliminated (Table 4-144; Figure 4-44)
	2-48	Great Barrington	Eliminated (Table 4-132; Figure 4-34)	Eliminated (Table 4-144; Figure 4-44)
	2-49	Great Barrington	Eliminated (Table 4-132; Figure 4-34)	Eliminated (Table 4-144; Figure 4-44)
	2-52	Great Barrington	Eliminated (Table 4-132; Figure 4-34)	Eliminated (Table 4-144; Figure 4-44)
56	2-58	Great Barrington	Eliminated (Table 4-133; Figure 4-35)	Retained (Table 4-145; Figure 4-45)
	2-66	Great Barrington	Eliminated (Table 4-133; Figure 4-35)	Retained (Table 4-145; Figure 4-45)
	2-75	Great Barrington	Eliminated (Table 4-133; Figure 4-35)	Retained (Table 4-145; Figure 4-45)
	4-10	Great Barrington	Eliminated (Table 4-133; Figure 4-35)	Retained (Table 4-145; Figure 4-45)
	4-9	Great Barrington	Eliminated (Table 4-133; Figure 4-35)	Retained (Table 4-145; Figure 4-45)
57	2-53	Great Barrington	Eliminated (Table 4-134; Figure 4-35)	Retained (Table 4-145; Figure 4-45)

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**Summary of Floodplain Soil Exposure Areas
Phase 1 Screening Results for Reaches 7 and 8
(Continued)**

Floodplain Soil Exposure Area	Tax Parcel ID	Town	Phase 1 Screening Result	
			Floodplain Soil	Sediment
	2-54	Great Barrington	Eliminated (Table 4-134; Figure 4-35)	Retained (Table 4-145; Figure 4-45)
	2-55	Great Barrington	Eliminated (Table 4-134; Figure 4-35)	Retained (Table 4-145; Figure 4-45)
	2-56	Great Barrington	Eliminated (Table 4-134; Figure 4-35)	Retained (Table 4-145; Figure 4-45)
	2-57A	Great Barrington	Eliminated (Table 4-134; Figure 4-35)	Retained (Table 4-145; Figure 4-45)
	2-57	Great Barrington	Eliminated (Table 4-134; Figure 4-35)	Retained (Table 4-145; Figure 4-45)
	3-84	Great Barrington	Eliminated (Table 4-134; Figure 4-35)	Retained (Table 4-145; Figure 4-45)
	4-42	Great Barrington	Eliminated (Table 4-134; Figure 4-35)	Retained (Table 4-145; Figure 4-45)
	5-8	Great Barrington	Eliminated (Table 4-134; Figure 4-35)	Retained (Table 4-145; Figure 4-45)

- 1 Eliminated = Eliminated from further consideration.
- 2 Retained = Retained for more detailed evaluation in Phase 2.

1 **5. REACH 9 PHASE 1 SCREENING RESULTS**

2 **5.1 INTRODUCTION**

3 Reach 9 includes floodplain soil, riverbank soil, and sediment from the area below the Rising
4 Pond Dam downstream to the Connecticut border as shown in Figure 5-1. Initially, the Phase 1
5 screening evaluation was conducted for Reach 9 in its entirety because a review of the data
6 indicated lower levels of PCB contamination in this reach than in the reaches upstream of Rising
7 Pond. Once the entire data set was evaluated, two localized areas within Reach 9 with floodplain
8 soil PCB concentrations greater than the most conservative SRBC (2 mg/kg) were evaluated in
9 greater detail.

10 Subsections 5.2, 5.3, and 5.4 present the data and summary statistics for floodplain soil,
11 riverbank soil, and sediment, respectively. Table 5-1 presents the summary statistics for
12 floodplain soil, riverbank soil, and sediment PCB samples. Presented are the detection frequency,
13 the range of detected concentrations, the statistical distribution of the data, the 95% UCL, and the
14 exposure point concentration (EPC).

15 **5.2 FLOODPLAIN SOIL**

16 A total of 194 floodplain soil samples (0 to 1 ft) and 11 duplicate floodplain soil samples were
17 collected from Reach 9. Of these samples, 110 had detected PCB concentrations. The maximum
18 detected PCB concentration was 6.32 mg/kg. Only three of the 110 detected PCB concentrations
19 exceeded the most conservative residential high-contact floodplain soil SRBC of 2 mg/kg. As
20 noted in Table 5-1, the 95% UCL is less than the most conservative SRBC of 2 mg/kg. Table 5-2
21 presents the results of each floodplain soil sample collected from Reach 9.

22 One of the areas where samples had PCB concentrations greater than the 2-mg/kg SRBC was
23 within an agricultural area as shown in Figure 5-2. Ten floodplain soil samples (0 to 1 ft) were
24 taken from this area. Of these samples, 8 had detected PCB concentrations. The detected PCB
25 concentrations ranged from 0.42 mg/kg to 2.61 mg/kg. Two samples (sample ID numbers
26 FL000983 and FL001233) slightly exceeded the agricultural floodplain soil SRBC of 2 mg/kg
27 with detected PCB concentrations of 2.41 and 2.61 mg/kg. The 95% UCL for this area was 1.76

Table 5-1

Summary of Reach 9 PCB Data

Medium	Frequency of Detection	Range of Detected Concentrations	Data Distribution	95 % UCL^a	Exposure Point Concentration^b
Floodplain Soil (0-1 ft)	110/205	0.042 - 6.32	Default (lognormal)	0.603	0.603
Riverbank Soil (0-1 ft)	9/12	0.258 - 1.2	Default (lognormal)	0.759	0.759
Sediment (0-0.5 ft)	19/60	0.06 - 1.2	Default (lognormal)	0.468	0.468

All concentrations are in mg/kg.

^a Nondetects were included at one-half the sample quantitation limit.

^b Maximum detected value or 95% upper-confidence limit, whichever is lower.

Table 5-2

PCB Results for Floodplain Soil in Reach 9
(Results in mg/kg; Depth in feet)

(Note: All samples with concentrations greater than 2 mg/kg are shaded)

Sample Identification	Result	Qualifier	Depth Interval
FL000651	5.70E-01		0 - 0.5
FL000651	6.17E-01		0.5 - 1
FL000651*	5.03E-01	U	0.5 - 1
FL000652	5.03E-01	U	0 - 0.5
FL000652	6.47E-01		0.5 - 1
FL000653	7.51E-01	J	0 - 0.5
FL000653	5.04E-01	U	0.5 - 1
FL000654	5.03E-01	U	0 - 0.5
FL000654	1.80E-02	U	0.5 - 1
FL000655	5.02E-01	U	0.5 - 1
FL000655	5.88E-01		0 - 0.5
FL000656	5.17E-01		0 - 0.5
FL000656	3.03E-01	J	0.5 - 1
FL000657	3.06E-01	J	0 - 0.5
FL000657	5.01E-01	U	0.5 - 1
FL000658	5.04E-01	U	0 - 0.5
FL000658	5.05E-01		0.5 - 1
FL000659	1.03E+00		0.5 - 1
FL000659	6.48E-01		0 - 0.5
FL000660	1.12E+00		0 - 0.5
FL000660**	6.32E+00	J	0.5 - 1
FL000661	1.04E+00		0 - 0.5
FL000661	5.02E-01	U	0.5 - 1
FL000662	5.00E-01	U	0.5 - 1
FL000662	7.15E-01	J	0 - 0.5
FL000995	6.15E-01	J	0 - 0.5
FL000995	5.03E-01	UJ	0.5 - 1
FL000996	3.86E-01	J	0 - 0.5
FL000996	1.15E+00		0.5 - 1
FL000996*	6.36E-01		0 - 0.5
FL001002	4.66E-01	J	0.5 - 1
FL001002	3.51E-01	J	0 - 0.5
FL001003	1.21E+00		0 - 0.5
FL001003	5.02E-01	U	0.5 - 1
FL001004	1.57E+00		0 - 0.5
FL001004	3.73E-01	J	0.5 - 1
FL001005	5.03E-01	U	0.5 - 1
FL001005	5.04E-01	U	0 - 0.5
FL001006	5.04E-01	U	0 - 0.5
FL001006	5.04E-01	U	0.5 - 1
FL001007	5.02E-01	U	0 - 0.5
FL001007	7.90E-01		0.5 - 1
FL001008	5.04E-01	U	0 - 0.5
FL001008	5.03E-01	U	0.5 - 1
FL001009	5.03E-01	U	0 - 0.5
FL001009	5.01E-01	U	0.5 - 1
FL001010	3.30E-01	J	0.5 - 1
FL001010	2.80E-01		0 - 0.5
FL001011	5.02E-01	U	0.5 - 1
FL001011	5.02E-01	U	0 - 0.5
FL001012	5.02E-01	U	0 - 0.5
FL001012	5.01E-01	U	0.5 - 1
FL001013	3.26E-01	J	0 - 0.5

Table 5-2

PCB Results for Floodplain Soil in Reach 9
(Results in mg/kg; Depth in feet)

(Note: All samples with concentrations greater than 2 mg/kg are shaded)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
FL001013*	3.20E-01	J	0 - 0.5
FL001013	2.88E-01	J	0.5 - 1
FL001031	5.02E-01	U	0 - 0.5
FL001031	5.01E-01	U	0.5 - 1
FL001032	3.64E-01	J	0 - 0.5
FL001032	5.03E-01	U	0.5 - 1
FL001099	5.03E-01	U	0 - 0.5
FL001099	8.99E-01		0.5 - 1
FL001100	5.03E-01	U	0 - 0.5
FL001100	5.02E-01	U	0.5 - 1
FL001101	3.57E-01	J	0 - 0.5
FL001101	5.03E-01	U	0.5 - 1
FL001102	5.02E-01	U	0 - 0.5
FL001102	5.01E-01	U	0.5 - 1
FL001103	3.30E-01	J	0 - 0.5
FL001103	5.01E-01	U	0.5 - 1
FL001104	5.01E-01	U	0 - 0.5
FL001104	5.01E-01	U	0.5 - 1
FL001105	5.02E-01	U	0 - 0.5
FL001105	5.01E-01	U	0.5 - 1
FL001106	5.00E-01	U	0.5 - 1
FL001106	2.10E-02	U	0 - 0.5
FL001107	5.01E-01	U	0 - 0.5
FL001107	5.01E-01	U	0.5 - 1
FL001107*	5.01E-01	U	0.5 - 1
FL001203	6.40E-02		0 - 0.5
FL001203	6.80E-02	J	0.5 - 1
FL001204	1.90E-02	U	0 - 0.5
FL001204	1.90E-02	U	0.5 - 1
FL001205	1.20E+00		0.5 - 1
FL001205	1.40E+00		0 - 0.5
FL001225	2.20E-02	U	0.5 - 1
FL001225	4.20E-02	J	0 - 0.5
FL001226	1.90E-01		0 - 0.5
FL001226	7.50E-02	J	0.5 - 1
FL001227	1.70E-01		0 - 0.5
FL001227	2.30E-01		0.5 - 1
FL001228	3.20E-01		0 - 0.5
FL001228	2.80E-01		0.5 - 1
FL001443	5.04E-01	U	0 - 0.5
FL001443	5.02E-01	U	0.5 - 1
FL001444	5.03E-01	U	0.5 - 1
FL001444	3.09E-01	J	0 - 0.5
FL001445	3.14E-01	J	0 - 0.5
FL001445	4.39E-01	J	0.5 - 1
FL001446	6.05E-01		0 - 0.5
FL001446	5.03E-01	U	0.5 - 1
FL001447	3.08E-01	J	0 - 0.5
FL001447	5.02E-01	U	0.5 - 1
FL000663	2.10E-02	U	0.5 - 1
FL000663	2.10E-01		0 - 0.5
FL000664	6.26E-01		0 - 0.5

Table 5-2

PCB Results for Floodplain Soil in Reach 9
(Results in mg/kg; Depth in feet)

(Note: All samples with concentrations greater than 2 mg/kg are shaded)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
FL000664*	6.00E-01		0 - 0.5
FL000664	5.03E-01	U	0.5 - 1
FL000981	5.04E-01	U	0.5 - 1
FL000981	5.11E-01	U	0 - 0.5
FL000982	1.64E+00		0 - 0.5
FL000982	1.34E+00		0.5 - 1
FL000983	2.61E+00		0.5 - 1
FL000983	1.66E+00		0 - 0.5
FL000984	1.56E+00		0 - 0.5
FL000984	1.77E+00		0.5 - 1
FL000985	5.02E-01	U	0 - 0.5
FL000985	5.02E-01	U	0.5 - 1
FL000986	5.02E-01	U	0 - 0.5
FL000986	5.01E-01	U	0.5 - 1
FL000987	2.60E-01	J	0 - 0.5
FL000987	3.28E-01	J	0.5 - 1
FL000988	3.70E-01		0 - 0.5
FL000988	5.01E-01	U	0.5 - 1
FL000989	1.01E+00		0 - 0.5
FL000989	1.05E+00		0.5 - 1
FL000990	6.08E-01		0 - 0.5
FL000990	5.04E-01	U	0.5 - 1
FL000991	8.32E-01	J	0.5 - 1
FL000991*	5.95E-01	J	0 - 0.5
FL000991	4.49E-01	J	0 - 0.5
FL000992	1.08E+00	J	0 - 0.5
FL000992	6.62E-01	J	0.5 - 1
FL000993	5.01E-01	J	0 - 0.5
FL000993	1.05E+00	J	0.5 - 1
FL000994	1.63E+00	J	0.5 - 1
FL000994	6.17E-01	J	0 - 0.5
FL001033	5.01E-01	U	0 - 0.5
FL001033	5.00E-01	U	0.5 - 1
FL001034	5.02E-01	U	0 - 0.5
FL001034	3.68E-01	J	0.5 - 1
FL001035	4.32E-01	J	0 - 0.5
FL001035*	4.08E-01	J	0 - 0.5
FL001035	5.02E-01	U	0.5 - 1
FL001050	6.22E-01		0 - 0.5
FL001050	8.03E-01		0.5 - 1
FL001051	4.49E-01	J	0 - 0.5
FL001051	4.58E-01	J	0.5 - 1
FL001052	3.28E-01	J	0 - 0.5
FL001052	4.18E-01	J	0.5 - 1
FL001053	5.64E-01		0 - 0.5
FL001053	5.00E-01	U	0.5 - 1
FL001054	5.00E-01	U	0 - 0.5
FL001054	4.32E-01	J	0.5 - 1
FL001055	3.46E-01	J	0.5 - 1
FL001055	3.28E-01	J	0 - 0.5
FL001056	5.01E-01	U	0 - 0.5
FL001056	5.01E-01	U	0.5 - 1

Table 5-2

PCB Results for Floodplain Soil in Reach 9
(Results in mg/kg; Depth in feet)

(Note: All samples with concentrations greater than 2 mg/kg are shaded)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
FL001057	4.48E-01	J	0 - 0.5
FL001057	5.01E-01	U	0.5 - 1
FL001057*	5.01E-01	U	0.5 - 1
FL001093	5.03E-01	U	0 - 0.5
FL001093	5.04E-01	U	0.5 - 1
FL001094	5.04E-01	U	0 - 0.5
FL001094	5.04E-01	U	0.5 - 1
FL001095	5.03E-01	U	0.5 - 1
FL001095	5.04E-01	U	0 - 0.5
FL001096	5.03E-01	U	0.5 - 1
FL001096	5.04E-01	U	0 - 0.5
FL001097	5.03E-01	U	0 - 0.5
FL001097	5.03E-01	U	0.5 - 1
FL001230	3.60E-01		0 - 0.5
FL001230	2.50E-01		0.5 - 1
FL001231*	5.01E-01	U	0 - 0.5
FL001231	5.01E-01	U	0 - 0.5
FL001231	4.43E-01	J	0.5 - 1
FL001233	2.41E+00		0.5 - 1
FL001233	1.33E+00		0 - 0.5
FL001234	4.20E-01	J	0 - 0.5
FL001234	7.60E-01		0.5 - 1
FL001241	5.02E-01	U	0.5 - 1
FL001241	3.30E-01		0 - 0.5
FL001242	3.99E-01	J	0.5 - 1
FL001242*	3.58E-01	J	0 - 0.5
FL001242	5.02E-01	U	0 - 0.5
FL001243	3.01E-01	J	0 - 0.5
FL001243	5.36E-01		0.5 - 1
FL001244	5.01E-01	U	0.5 - 1
FL001244	3.80E-01		0 - 0.5
FL001245	5.02E-01	U	0 - 0.5
FL001245	5.01E-01	U	0.5 - 1
FL001246	5.00E-01	U	0 - 0.5
FL001246	5.01E-01	U	0.5 - 1
FL001430	3.97E-01	J	0 - 0.5
FL001430	1.18E+00		0.5 - 1
FL001431	5.06E-01	U	0 - 0.5
FL001431	1.08E+00	U	0.5 - 1
FL001432	5.25E-01		0 - 0.5
FL001432	8.70E-01		0.5 - 1
FL001432*	9.73E-01		0.5 - 1
FL001439	1.14E+00	U	0 - 0.5
FL001439	9.81E-01	J	0.5 - 1
FL001440	4.28E-01	J	0 - 0.5
FL001440	5.02E-01	U	0.5 - 1
FL001442	4.09E-01	J	0 - 0.5
FL001442	1.46E+00		0.5 - 1

* = duplicate sample

** = Bartholomew's Cobble Recreational Area (see Figure 5-3)

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

1 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected concentration. A
2 comparison of the EPC against the SRBC indicates that this area will not require further
3 evaluation. Table 5-3 presents the results of the floodplain soil samples collected from this area.

4 The maximum detected PCB concentration of 6.32 mg/kg was located at the Bartholomew's
5 Cobble Recreational Area as shown in Figure 5-3 (sample ID number FL000660). Therefore, this
6 area was evaluated in more detail. Twenty-six floodplain soil samples (0 to 1 ft) and two
7 duplicate floodplain soil samples were taken from the Bartholomew's Cobble Recreational Area.
8 Of these samples, 17 had detected PCB concentrations. The 95% UCL for this area was 1.59
9 mg/kg. The 95% UCL is the EPC because it is less than the maximum detected concentration. A
10 comparison of the EPC against the 2-mg/kg SRBC indicates that this area will not require further
11 evaluation based on direct-contact exposure. Table 5-4 presents the results of the floodplain soil
12 samples collected from Bartholomew's Cobble.

13 **5.3 RIVERBANK SOIL**

14 Twelve riverbank soil samples (0 to 1 ft) were collected along Reach 9. Of these samples, nine
15 had detected PCB concentrations. The maximum detected PCB concentration was 1.2 mg/kg.
16 This concentration does not exceed the most conservative residential high-contact riverbank soil
17 SRBC of 2 mg/kg. The remaining detected samples had concentrations that were less than 1
18 mg/kg. Table 5-1 summarizes the Reach 9 riverbank soil data. Based on these concentrations, no
19 additional evaluation of riverbank soil in Reach 9 will be necessary. Table 5-5 presents the
20 individual results of the riverbank soil samples collected along Reach 9.

21 **5.4 SEDIMENT**

22 Fifty-three sediment samples (0 to 0.5 ft) and seven duplicate sediment samples were collected
23 along Reach 9. Of these samples, 19 had detected PCB concentrations. The maximum detected
24 PCB concentration was 1.2 mg/kg. This concentration does not exceed the most conservative
25 high-contact sediment SRBC of 3 mg/kg. Table 5-1 summarizes the Reach 9 sediment data.

Table 5-3

**Floodplain Soil PCB Results for the Agricultural Area
(Samples with concentrations greater than 2 mg/kg are shaded)
(Results in mg/kg; Depth in feet)**

Maximum Detected Concentration: 2.61E+00

Data Distribution: Normal

95% UCL: 1.76E+00

EPC: 1.76E+00

SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000981	5.04E-01	U	0.5 - 1
FL000981	5.11E-01	U	0 - 0.5
FL000982	1.64E+00		0 - 0.5
FL000982	1.34E+00		0.5 - 1
FL000983	2.61E+00		0.5 - 1
FL000983	1.66E+00		0 - 0.5
FL001233	1.33E+00		0 - 0.5
FL001233	2.41E+00		0.5 - 1
FL001234	7.60E-01		0.5 - 1
FL001234	4.20E-01	J	0 - 0.5

J = estimated detected value

U = not detected at reported value

See Figure 5-2

Table 5-4

**Floodplain Soil PCB Results for Bartholomew's Cobble Recreational Area
(Sample with concentration greater than 2 mg/kg is shaded)
(Results in mg/kg; Depth in feet)**

Maximum Detected Concentration: 6.32E+00
 Data Distribution: Default (lognormal)
 95% UCL: 1.59E+00
 EPC: 1.59E+00
 SRBC: 2.00E+00

Sample Identification	Result	Qualifier	Depth Interval
FL000654	5.03E-01	U	0 - 0.5
FL000654	1.80E-02	U	0.5 - 1
FL000655	5.02E-01	U	0.5 - 1
FL000655	5.88E-01		0 - 0.5
FL000656	5.17E-01		0 - 0.5
FL000656	3.03E-01	J	0.5 - 1
FL000657	3.06E-01	J	0 - 0.5
FL000657	5.01E-01	U	0.5 - 1
FL000658	5.04E-01	U	0 - 0.5
FL000658	5.05E-01		0.5 - 1
FL000659	1.03E+00		0.5 - 1
FL000659	6.48E-01		0 - 0.5
FL000660	1.12E+00		0 - 0.5
FL000660	6.32E+00	J	0.5 - 1
FL000661	1.04E+00		0 - 0.5
FL000661	5.02E-01	U	0.5 - 1
FL000662	5.00E-01	U	0.5 - 1
FL000662	7.15E-01	J	0 - 0.5
FL000663	2.10E-02	U	0.5 - 1
FL000663	2.10E-01		0 - 0.5
FL000664	6.26E-01		0 - 0.5
FL000664*	6.00E-01		0 - 0.5
FL000664	5.03E-01	U	0.5 - 1
FL001230	3.60E-01		0 - 0.5
FL001230	2.50E-01		0.5 - 1
FL001231*	5.01E-01	U	0 - 0.5
FL001231	5.01E-01	U	0 - 0.5
FL001231	4.43E-01	J	0.5 - 1

* = duplicate sample
 J = estimated detected value
 U = not detected at reported value
 See Figure 5-3

Table 5-5

**PCB Results for Riverbank Soil in Reach 9
(Results in mg/kg; Depth in feet)**

Sample Identification	Result	Qualifier	Depth Interval
BS000035	4.35E-01	J	0 - 0.5
BS000035	9.70E-01		0.5 - 1
BS000036	8.01E-01		0 - 0.5
BS000036	6.76E-01		0.5 - 1
BS000037	5.03E-01	U	0 - 0.5
BS000037	1.20E+00		0.5 - 1
BS000038	2.58E-01	J	0 - 0.5
BS000038	4.09E-01	J	0.5 - 1
BS000039	5.02E-01	U	0 - 0.5
BS000039	5.05E-01	U	0.5 - 1
BS000142	3.23E-01	J	0 - 0.5
BS000142	2.97E-01	J	0.5 - 1

J = estimated detected value

U = not detected at reported value

1 Based on these concentrations, no additional evaluation of sediment in Reach 9 will be
2 necessary. Table 5-6 presents the individual results of the sediment samples collected along
3 Reach 9.

4 **5.5 SUMMARY**

5 The PCB concentrations in soil and sediment in Reach 9 are significantly lower than those
6 detected in Reaches 5 through 8. The Phase 1 screening analysis has eliminated Reach 9 in its
7 entirety from further consideration on the basis of direct contact exposure. An evaluation of the
8 potential for an indirect exposure, such as consumption of agricultural products, will be
9 conducted in Phase 2.

Table 5-6

**PCB Results for Sediment in Reach 9
(Results in mg/kg; Depth in feet)**

Sample Identification	Result	Qualifier	Depth Interval
SE000735	5.31E-01	U	0 - 0.5
SE000736	5.00E-01	U	0 - 0.5
SE000737	5.00E-01	U	0 - 0.5
SE000738	6.00E-02	J	0 - 0.5
SE001173	5.01E-01	U	0 - 0.5
SE001174	4.41E-01	J	0 - 0.5
SE001175	5.04E-01	U	0 - 0.5
SE001176	5.01E-01	U	0 - 0.5
SE001177	5.88E-01		0 - 0.5
SE001194*	5.02E-01	UJ	0 - 0.5
SE001194	2.00E-01		0 - 0.5
SE001195	5.01E-01	U	0 - 0.5
SE001196	5.20E-01	J	0 - 0.5
SE001197	4.41E-01	J	0 - 0.5
SE001198	5.04E-01	U	0 - 0.5
SE001198*	5.00E-01	U	0 - 0.5
SE001199	5.03E-01	U	0 - 0.5
SE001200	5.01E-01	U	0 - 0.5
SE001201	4.16E-01	J	0 - 0.5
SE001202	5.01E-01	U	0 - 0.5
SE001203	5.01E-01	U	0 - 0.5
SE001204	5.01E-01	U	0 - 0.5
SE001205	5.01E-01	U	0 - 0.5
SE001206*	5.01E-01	U	0 - 0.5
SE001206	5.01E-01	U	0 - 0.5
SE001217	5.01E-01	U	0 - 0.5
SE001218	5.00E-01	U	0 - 0.5
SE001219	5.00E-01	U	0 - 0.5
SE001178	7.10E-01	J	0 - 0.5
SE001179	3.51E-01	J	0 - 0.5
SE001180	5.02E-01	U	0 - 0.5
SE001181	4.59E-01	J	0 - 0.5
SE001182	5.05E-01	U	0 - 0.5
SE001182*	5.01E-01	U	0 - 0.5
SE001183	2.81E-01	J	0 - 0.5
SE001184	3.01E-01	J	0 - 0.5
SE001185	4.16E-01	J	0 - 0.5
SE001186	3.41E-01	J	0 - 0.5
SE001187	6.76E-01		0 - 0.5
SE001188	1.61E-01	J	0 - 0.5
SE001189	3.73E-01	J	0 - 0.5
SE001190	5.01E-01	UJ	0 - 0.5
SE001191	5.02E-01	UJ	0 - 0.5
SE001192	5.01E-01	UJ	0 - 0.5
SE001193	1.20E+00	J	0 - 0.5
SE001193*	5.02E-01	UJ	0 - 0.5
SE001230	2.00E-02	U	0 - 0.5
SE001233	2.80E-01		0 - 0.5
SE001236	5.00E-01	U	0 - 0.5
SE001237	5.00E-01	U	0 - 0.5
SE001240	5.18E-01	U	0 - 0.5
SE001242	5.05E-01	U	0 - 0.5
SE001243*	5.00E-01	U	0 - 0.5

Table 5-6

PCB Results for Sediment in Reach 9
(Results in mg/kg; Depth in feet)
(Continued)

Sample Identification	Result	Qualifier	Depth Interval
SE001243	5.01E-01	U	0 - 0.5
SE001244	5.01E-01	U	0 - 0.5
SEEC0024	5.12E-01	U	0 - 0.5
SEEC0025	5.13E-01	U	0 - 0.5
SEEC0025*	5.21E-01	U	0 - 0.5
SEEC0026	2.00E-02	U	0 - 0.5
SEEC0027	2.00E-02	U	0 - 0.5

* = duplicate sample

J = estimated detected value

U = not detected at reported value

UJ = estimated nondetected value

1 **6. SCREENING RESULTS FOR THE STATE OF CONNECTICUT**

2 To be provided in the BHHRA.

1 **7. FUTURE LAND USE**

2 **7.1 INTRODUCTION**

3 Individual tax parcels or floodplain soil exposure areas that have been eliminated from further
4 consideration based on current land use could pose a potential risk through direct contact
5 exposure if the land use changes at some point in the future to a more restrictive land use.
6 Although certain aspects of potential future land uses were considered, the primary focus of the
7 Phase 1 screening evaluation was current land uses. Potential future land uses will be further
8 investigated prior to completing the Phase 2 comprehensive analysis. The assessment of potential
9 future land use will include, but not necessarily be limited to, consideration of the following:

- 10 ▪ Local zoning laws.
- 11 ▪ Currently proposed and/or other local development plans.
- 12 ▪ Site location in relation to residential, commercial, industrial, agricultural,
13 recreational, conservation, and preservation areas.
- 14 ▪ Institutional controls currently in place.
- 15 ▪ Nature and extent of contamination.
- 16 ▪ Input and concurrence of local officials.
- 17 ▪ Public acceptance.

18 This section identifies specific tax parcels and floodplain soil exposure areas that might be
19 impacted by future changes to land uses. The potential for future land use changes for these tax
20 parcels and exposure areas will be evaluated in more detail in Phase 2.

21 **7.2 FLOODPLAIN SOIL**

22 A summary table (Table 7-1) was developed to show the impact of potential land use changes.
23 This table lists all the tax parcels and floodplain soil exposure areas, with the following
24 exceptions:

Table 7-1

Summary of the Floodplain Soil Phase 1 Screening Evaluation Based on Current and Future Land Uses

Floodplain Soil Exposure Area	Tax Parcel ID(s)	Current Land Use	EPC (mg/kg)	Land Uses					
				SRBC = 2 mg/kg HC Res Action Taken	SRBC = 2 mg/kg Agricultural Action Taken	SRBC = 5 mg/kg LC Res Action Taken	SRBC = 5 mg/kg HC Rec Action Taken	SRBC = 7 mg/kg LC Rec Action Taken	SRBC = 20 mg/kg C/I Action Taken
<i>Reaches 7 and 8</i>									
Floodplain Soil Exposure Area 2	2-2A, 2-1B, 2-6A, 2-6, 2-4A, 2-4, 2-34, 2-32	C/I	3.22E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 3	38-44, 38-45, 38-48, 38-49, 2-30, 2-29	LC Res; HC Rec	5.54E+00	Retained	Retained	Retained	Retained	Eliminated	Eliminated
Floodplain Soil Exposure Area 4	2-31, 2-42	LC Rec; C/I	1.27E+01	Retained	Retained	Retained	Retained	Retained	Eliminated
Floodplain Soil Exposure Area 6	8-1	LC Rec	5.42E+00	Retained	Retained	Retained	Retained	Eliminated	Eliminated
Floodplain Soil Exposure Area 8	8-50, 13-1, 12A-64, 12A-63, 12A-65	HC Rec; C/I	5.29E+00	Retained	Retained	Retained	Retained	Eliminated	Eliminated
Floodplain Soil Exposure Area 9	7-49A, 8-49	LC Res; LC Rec	7.90E+00	Retained	Retained	Retained	Retained	Retained	Eliminated
Floodplain Soil Exposure Area 10	12-205, 12A-64, 12A-65	HC Rec	1.79E+01	Retained	Retained	Retained	Retained	Retained	Eliminated
Floodplain Soil Exposure Area 11	12A-87, 12A-88, 12A-89	C/I	5.35E+00	Retained	Retained	Retained	Retained	Eliminated	Eliminated
Floodplain Soil Exposure Area 13	12A-52, 12A-51, 18A-21A	LC Res; HC Rec; C/I	1.40E+01	Retained	Retained	Retained	Retained	Retained	Eliminated
Floodplain Soil Exposure Area 14	12A-104	C/I	5.84E+00	Retained	Retained	Retained	Retained	Eliminated	Eliminated
Floodplain Soil Exposure Area 16	18A-118	HC Rec; C/I	2.08E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 17	18A-120A, 18A-121, 19A-90	HC Rec	3.50E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 18	19-1	HC Rec	3.83E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 20	18-190, 18-82	LC Rec	5.34E+00	Retained	Retained	Retained	Retained	Eliminated	Eliminated
Floodplain Soil Exposure Area 21	19-2, 19-5, 19-8	LC Rec; C/I	1.19E+01	Retained	Retained	Retained	Retained	Retained	Eliminated
Floodplain Soil Exposure Area 22	19-10, 19-11, 19-12, 19-12A	C/I	3.40E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 23	25-6	HC Rec	9.01E+00	Retained	Retained	Retained	Retained	Retained	Eliminated
Floodplain Soil Exposure Area 24	25-105, 25-7, 25-8, 25-32	C/I	2.29E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 25	25-37, 25-39, 25-41, 25-43, 25-45, 25-48, 25-50, 25-100, 25-89	LC Res; HC Rec	4.84E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 28	31-7, 31-2, 31-5, 31-15, 30-81, 35-17	LC Rec; C/I	3.41E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 30	31-12, 35-17	LC Rec	6.41E+00	Retained	Retained	Retained	Retained	Eliminated	Eliminated
Floodplain Soil Exposure Area 31	35-17A, 35-5A, 35-2, 35-1A	Ag; LC Rec	3.94E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 32	35-1	HC Rec	7.90E+00	Retained	Retained	Retained	Retained	Retained	Eliminated

Table 7-1

Summary of the Floodplain Soil Phase 1 Screening Evaluation Based on Current and Future Land Uses
(Continued)

Floodplain Soil Exposure Area	Tax Parcel ID(s)	Current Land Use	EPC (mg/kg)	Land Uses					
				SRBC = 2 mg/kg HC Res Action Taken	SRBC = 2 mg/kg Agricultural Action Taken	SRBC = 5 mg/kg LC Res Action Taken	SRBC = 5 mg/kg HC Rec Action Taken	SRBC = 7 mg/kg LC Rec Action Taken	SRBC = 20 mg/kg C/I Action Taken
Floodplain Soil Exposure Area 33	30-72	C/I	5.43E+00	Retained	Retained	Retained	Retained	Eliminated	Eliminated
Floodplain Soil Exposure Area 34	30-71, 29-90	LC Res; HC Rec	3.60E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 35	29-93A	LC Rec	7.35E+00	Retained	Retained	Retained	Retained	Retained	Eliminated
Floodplain Soil Exposure Area 36	29-68, 29-91	C/I	5.60E+00	Retained	Retained	Retained	Retained	Eliminated	Eliminated
Floodplain Soil Exposure Area 40	21-62	HC Rec	9.89E+00	Retained	Retained	Retained	Retained	Retained	Eliminated
Floodplain Soil Exposure Area 43	21-61, 20B-14, 21-22, 21-1-01	LC Rec	3.43E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 44	20-16, 20-15, 20-14, 20-13-01, 20-21, 20B-52, 20-22, 20-23, 20A-27, 20A-25, 20-24, 20-25	HC Rec; C/I	5.90E+00	Retained	Retained	Retained	Retained	Eliminated	Eliminated
Floodplain Soil Exposure Area 46	20-1-1, 9-51, 9-52	LC Rec	6.08E+00	Retained	Retained	Retained	Retained	Eliminated	Eliminated
Floodplain Soil Exposure Area 47	9-53	LC Rec	2.57E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 48	9-59	LC Rec	3.54E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 49	9-58, 9-56.05, 9-45, 9-44.01, 9-44	LC Rec	3.53E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 52	8-35, 5-7, 6-13.01	LC Rec	3.37E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 53	8-25, 5-7, 5-12	LC Rec	1.41E+01	Retained	Retained	Retained	Retained	Retained	Eliminated
Floodplain Soil Exposure Area 54	2-22, 2-50, 2-51	C/I	3.00E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 56	2-58, 2-66, 2-75, 4-10, 4-9	HC Rec; C/I	3.12E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated
Floodplain Soil Exposure Area 57	2-53, 2-54, 2-55, 2-56, 2-57A, 2-57, 3-84, 4-42, 5-8	LC Res; HC Rec	2.20E+00	Retained	Retained	Eliminated	Eliminated	Eliminated	Eliminated

C/I = commercial/industrial land use
 Eliminated = this property or exposure area would be eliminated from further consideration assuming the identified land use
 EPC = exposure point concentration
 HC Rec = high-contact recreational land use
 LC Rec = low-contact recreational land use
 LC Res = low-contact residential land use
 Retained = this property or exposure area would be retained for further evaluation assuming the identified land use

- 1 ▪ **High-contact residential properties**—These properties already fall into the most
2 restrictive land use category. Land use changes would not require any additional
3 restrictions.

- 4 ▪ **Low-contact residential properties in Reaches 5 and 6**—These properties were
5 evaluated by tax parcel. Because they include inundated wetlands and steep banks,
6 conversion to a more restrictive land use is not plausible.

- 7 ▪ **State-owned lands in Reaches 5 and 6**—The Consent Decree specifies a monetary
8 compensation to the state for keeping state-owned properties in their current use.
9 Therefore, no land use changes to these properties are anticipated. A detailed
10 evaluation of state-owned lands was not performed for Reaches 7 and 8. This
11 information will be included in Phase 2.

- 12 ▪ **Properties or areas with concentrations of PCBs less than 2 mg/kg**—Any
13 property or area with a maximum concentration (or EPC) less than 2 mg/kg already
14 meets the strictest requirement of any land use category. Any future land use change
15 would have no effect on the Phase 1 screening result.

- 16 ▪ **Properties or areas with concentrations of PCBs greater than 20 mg/kg**—Any
17 property or area with a maximum concentration (or EPC) greater than 20 mg/kg
18 already exceeds the least restrictive requirement of any land use category. Any future
19 land use change would have no effect on the Phase 1 screening result. These
20 properties will be evaluated in greater detail in Phase 2.

- 21 ▪ **Utility easements**—These rights-of-way are already evaluated as part of the property
22 or area that they run through. Land use changes of the larger property would need to
23 consider concentrations on these easements.

24 For each of the remaining tax parcels or floodplain soil exposure areas, Table 7-1 shows the
25 screening concentration, the current land use, the result of the Phase 1 screening evaluation based
26 on the current land use, and the results of the Phase 1 screening evaluation for all other land uses.
27 The tax parcel ID numbers, the PCB EPC in floodplain soil (0 to 1 ft), and the actions taken (i.e.,
28 eliminated or retained) for each area for each potential future land use are also included in Table
29 7-1. This table allows the impact of any modifications or changes to land use on specific
30 properties or floodplain soil exposure areas to be readily determined. Only Reaches 7 and 8 have
31 properties that could have their Phase 1 decision modified by future land use changes. Reaches 5
32 and 6 have no properties that could have their screening result changed based on any realistic
33 potential future land use. Reach 9 was not included in the evaluation because the data for this
34 reach were screened against the most conservative floodplain soil SRBC (2 mg/kg), and any land
35 use changes in the future would not affect the Phase 1 determination.

1 **7.3 RIVERBANK SOIL AND SEDIMENT**

2 Riverbank soil was not evaluated in relation to future land use for the following reasons:

3 ▪ In Reach 5, all the riverbank areas have EPCs greater than all the SRBCs; therefore,
4 potential changes to current land use will have no impact on the Phase 1 screening
5 analysis.

6 ▪ There is no riverbank in Reach 6 (Woods Pond).

7 ▪ There is very little riverbank in Reaches 7 and 8, and the existing data show low
8 levels of contamination.

9 ▪ In Reach 9, there were no PCB concentrations greater than the SRBCs.

10 Sediment was not evaluated because of its transient nature and the lack of a land use designation.

1 **8. IMPACT OF GE-COLLECTED DATA ON THE PHASE 1 SCREENING**
2 **RESULTS**

3 **8.1 INTRODUCTION**

4 Individual tax parcels and exposure areas were evaluated in the previous sections of this report
5 based on EPA/USACE-collected PCB data only. To determine if the addition of GE-collected
6 data would have altered any of the screening decisions, a separate analysis was performed by
7 combining the GE-collected data with the EPA/USACE-collected data.

8 There were a large number of sampling efforts conducted by GE in this area of the river. To
9 minimize the potential for eliminating sites that may have unacceptable contamination levels, all
10 GE-collected data were deemed usable for purposes of evaluating their impact on the Phase 1
11 screening results based on EPA/USACE-collected data.

12 **8.2 REACHES 5 AND 6**

13 **8.2.1 Floodplain Soil Results**

14 Thirty-five tax parcels and utility easements in Reaches 5 and 6 were eliminated from
15 consideration based on EPA/USACE data only. Nine of the eliminated tax parcels/utility
16 easements had GE data collected from within their boundaries. An evaluation of these data
17 indicated that the screening results of these properties and utility easements would not change
18 with GE-collected data included.

19 **8.2.2 Riverbank Soil Results**

20 There are no GE-collected data from riverbank soil in Reaches 5 and 6; therefore, this analysis
21 does not apply for riverbank soil.

1 **8.2.3 Sediment Results**

2 None of the sediment exposure areas in Reaches 5 and 6 were eliminated from consideration
3 based on the EPA/USACE sediment data only. Inclusion of the GE-collected sediment data in
4 the Phase 1 screening evaluation would have no impact on the sediment screening results.

5 **8.3 REACHES 7 AND 8**

6 **8.3.1 Floodplain Soil Results**

7 Fifty-five tax parcels in Reaches 7 and 8 that met the high-contact residential criteria were
8 eliminated from consideration based on EPA/USACE data only. One of these tax parcels (9-38)
9 had GE data collected from within its boundary. An evaluation of these data indicated that the
10 screening result of this property would not change with GE data included. Tax parcel 9-38 would
11 still be eliminated from consideration.

12 Forty-one floodplain soil exposure areas in Reaches 7 and 8 were eliminated from consideration
13 based on the EPA/USACE floodplain soil data only. Eight of the eliminated floodplain soil
14 exposure areas had GE data collected from within their boundaries. An evaluation of these data
15 indicated that the screening results of one of the eight eliminated areas (Floodplain Soil Exposure
16 Area [FSEA] 48) would be impacted by the inclusion of GE-collected data. FSEA 48 was
17 eliminated from further consideration based on the EPA/USACE data only. This floodplain soil
18 exposure area would be retained for further evaluation if GE-collected data were combined with
19 EPA/USACE data. Therefore, this exposure area was retained for further analysis.

20 **8.3.2 Riverbank Soil Results**

21 There are no GE data collected from riverbank soil in Reaches 7 and 8; therefore, this analysis
22 does not apply for riverbank soil.

23 **8.3.3 Sediment Results**

24 Four “free-flowing” areas in Reaches 7 and 8 were eliminated from consideration based on the
25 EPA/USACE sediment data only. Inclusion of the GE-collected sediment data in the Phase 1

1 screening evaluation would have very little impact on the result of the sediment exposure area
2 beginning at the Woods Pond Dam and extending downstream to the Golden Hill Road Bridge.
3 The EPA/USACE-based EPC was 1.45 mg/kg. The EPA/USACE- and GE-combined EPC was
4 3.57 mg/kg. This EPC slightly exceeds the high-contact sediment SRBC of 3 mg/kg. The Phase 1
5 screening result will not be modified based on these GE data because the data are much older
6 than the recently collected data, there is no indication of high contact in these areas, and the
7 exceedance of the SRBC is minimal.

8 **8.4 REACH 9**

9 **8.4.1 Floodplain Soil Results**

10 The floodplain soil in all of Reach 9 was eliminated from consideration based on the
11 EPA/USACE floodplain soil data. Inclusion of the GE-collected floodplain soil data in the Phase
12 1 screening evaluation would have no impact on the results based on the EPA/USACE-collected
13 data in Reach 9.

14 **8.4.2 Riverbank Soil Results**

15 There are no GE data collected from riverbank soil in Reach 9; therefore, this analysis does not
16 apply for riverbank soil.

17 **8.4.3 Sediment Results**

18 The sediment in all of Reach 9 was eliminated from consideration based on the EPA/USACE
19 floodplain soil data. Inclusion of the GE-collected sediment data in the Phase 1 screening
20 evaluation would have no impact on the results based on the EPA/USACE-collected data in
21 Reach 9.

22 **8.5 SUMMARY OF RESULTS**

23 Table 8-1 lists those tax parcels/exposure areas that were eliminated in the Phase 1 screening
24 process based on EPA/USACE data only that have GE-collected data from within their
25 boundaries. For each area, the EPA/USACE-based maximum detected PCB concentration and
26 EPC is presented along with the GE-based maximum detected PCB concentration and EPC and
27 the impact of including the GE-collected data on the Phase 1 screening result.

Table 8-1

Summary of the Impacts of GE-Collected PCB Data

Tax Parcel ID/ Exposure Area	Land Use	EPA/USACE-Collected Data		Combined EPA/USACE and GE-Collected Data		Impact of GE-Collected Data on Phase 1 Screening Result
		Maximum Detected Concentration (mg/kg)	Exposure Point Concentration (mg/kg)	Maximum Detected Concentration (mg/kg)	Exposure Point Concentration (mg/kg)	
Reach 5 and 6 Tax Parcels						
9-17	High-contact residential	1.02E+00	1.02E+00	1.02E+00	1.02E+00	None
23-37	Low-contact residential	3.99E-01	3.99E-01	1.80E+00	1.80E+00	None
18-85	Low-contact residential	2.59E+00	2.59E+00	2.59E+00	2.59E+00	None
18-84	Low-contact recreational	3.03E-02	3.03E-02	3.80E-01	3.80E-01	None
13-2	High-contact recreational	1.88E-02	1.88E-02	4.60E-01	4.60E-01	None
Reach 5 and 6 Utility Easements						
Utility Easement 3	Commercial/industrial	9.29E+00	9.29E+00	9.29E+00	9.29E+00	None
Utility Easement 4	Commercial/industrial	ND	ND	1.50E-01	1.50E-01	None
Utility Easement 5	Commercial/industrial	3.19E+01	4.18E+00	3.19E+01	4.38E+00	None
Utility Easement 11	Commercial/industrial	3.10E-01	3.10E-01	4.60E-01	4.60E-01	None
Reach 7 and 8 Tax Parcels						
9-38	High-contact residential	ND	ND	1.00E+00	1.00E+00	None
Reach 7 and 8 Floodplain Soil Exposure Areas						
FSEA 6	Low-contact recreational	5.42E+00	5.42E+00	5.42E+00	5.42E+00	None
FSEA 25	Low-contact residential; high-contact recreational	6.20E+00	4.84E+00	6.20E+00	4.17E+00	None
FSEA 26	Low-contact residential; high-contact recreational	1.31E+00	1.31E+00	1.70E+00	9.17E-01	None
FSEA 28	Low-contact recreational; commercial/industrial	1.60E+01	3.41E+00	1.60E+01	3.04E+00	None
FSEA 42	Low-contact residential	1.76E+00	1.76E+00	3.90E+00	2.76E+00	None
FSEA 48	Low-contact recreational	3.54E+00	3.54E+00	1.30E+01	1.30E+01	Retained
FSEA 56	High-contact recreational; commercial/industrial	6.00E+00	3.12E+00	6.00E+00	2.85E+00	None
FSEA 57	Low-contact recreational; high-contact recreational	2.20E+00	2.20E+00	4.20E+00	4.20E+00	None
Reach 7 and 8 Sediment Exposure Areas						
Woods Pond Dam to Golden Hill Road	High-contact; low-contact	1.45E+00	1.45E+00	1.60E+01	3.57E+00	None
Route 20 Bridge to Meadow Street Bridge	High-contact; low-contact	4.29E+00	7.31E-01	1.60E+01	1.23E+00	None
Willow Mill Dam to Glendale Middle Road	High-contact; low-contact	1.32E+00	1.32E+00	1.20E+01	1.47E+00	None
Glendale Dam to Route 183 Bridge	High-contact; low-contact	4.68E+00	1.48E+00	4.68E+00	1.73E+00	None
Reach 9						
Floodplain Soil	-	6.32E+00	6.03E-01	6.32E+00	5.55E-01	None
Riverbank Soil	-	1.20E+00	7.59E-01	NA	NA	None
Sediment	-	1.20E+00	4.68E-01	1.80E+01	1.04E+00	None

NA = not applicable.
ND = not detected.

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