Plum Brook Reactor Facility

Technical Basis Document

Radiological Characterization of Plum Brook Sediments

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1.0 Introduction

The Plum Brook is one of several surface streams that drain the 6400 acre NASA Plum Brook facility in Erie County, Ohio. It originates in farmland south of the facility and terminates in Sandusky Bay on the shore of Lake Erie northeast of the city of Sandusky. Cesium-137, Co-60, and possibly other radionuclides including Sr-90, entered the Plum Brook as a result of Plum Brook Reactor Facility (PBRF) operations from 1963 to 1973. The radionuclides were released in liquid effluents through a monitoring station into a man-made ditch that emptied into the Plum Brook near the northeastern boundary of the PBRF. As part of the PBRF decommissioning, an investigation was conducted of residual radioactive contamination in soil and sediment on the facility and in the Plum Brook. This included measurements of sediment samples collected from the Plum Brook north of the facility in the summer of 2005. From these initial measurements, it was determined that Cs-137 and smaller concentrations of Co-60 were present in the Plum Brook in areas accessible by the public.

An extensive campaign was conducted by NASA from 2005 through 2007 to determine the levels and extent of radioactive contaminants in the Plum Brook and environs. Samples of soil and sediments were collected from 900 locations along the four mile stream course from the PBRF to Sandusky Bay. The samples were analyzed by gamma spectroscopy for Cs-137 and other gamma emitting radionuclides. It was found that Cs-137 is the predominant man-made radionuclide in the Plum Brook with detectable concentrations measured along the stream course from the PBRF and into Sandusky Bay. Cobalt-60 was found to be limited mostly to sediments in portions of the Plum Brook near the PBRF. Detectable concentrations of Cs-137 were measured in sediments deposited in the stream bottom, along the stream banks and in delta deposits in the stream mouth estuary and surrounding wetlands. Detectable concentrations were not found in Plum Brook water.

This report presents an evaluation of the distribution of radionuclides of PBRF origin in Plum Brook sediments. The objective is to provide a refined source term description for a dose assessment to show that the NRC 25 mrem/yr dose criterion is satisfied. It provides detailed discussions of sediment radionuclide concentrations and estimates of concentration vs. downstream distance and concentration vs. depth.

2.0 Background

Following the initial characterization survey of the Plum Brook in 2005, discussions were held with nearby property owners, local community representatives, the Ohio EPA and the US Nuclear Regulatory Commission (NRC). Following these discussions, NASA determined that a dose assessment should be performed. It would evaluate doses that could be received by members of the public who may come in contact with contaminated sediments. The objectives of the dose assessment were to: (1) Evaluate the radiological risk (dose) to members of the public who may come in contact with contaminated Plum Brook sediments, (2) Determine values of derived concentration guideline levels (DCGLs) and (3) Identify the need for remedial actions to meet the 25 mrem/yr dose criterion.

Accordingly, the RESRAD© computer code developed by Argonne National Laboratory and approved by the NRC was used [ANL 2001]. Exposure scenarios developed by the NRC for assessment of radiation doses to future occupants of decommissioned nuclear facility sites were used as the starting point. They were modified to describe exposure conditions for members of the public that could come in contact with contaminated Plum Brook sediments [NASA 2008a].

Estimated doses to members of the public were obtained for four exposure scenarios, with the focus on Cs-137, the most prevalent radionuclide contaminant of concern. The highest dose from exposure to Cs-137 was obtained for the scenario identified as the Brook-side Resident. It was calculated to be 0.17 ± 0.17 mrem/y per pCi/g (average dose ± one standard deviation). This result was used to calculate Derived Concentration Guideline Levels (DCGLs) corresponding to a range of dose criteria that could provide an acceptable basis for evaluating potential corrective actions. For example, the Cs-137 DCGL for a dose criterion of 1 mrem/y was calculated to be 5.8 pCi/g. It was 17.3 pCi/g for a criterion of 3 mrem/y; 86.4 pCi/g for a criterion of 15 mrem/y and 143.9 pCi/g for a criterion of 25 mrem/y. These DCGLs are for average concentrations of Cs-137. From the recent Plum Brook characterization effort, it was estimated that the average Cs-137 concentration in the sediments is about one pCi/g. Thus, a conservative bounding estimate of the dose to individual members of the public who come in contact with sediments contaminated with Cs-137 was calculated to be 0.17 mrem/y. It was concluded that remediation of contaminated sediments was not necessary to meet the 25 mrem/yr dose criterion [NASA 2008a].

These results were presented to the NRC and the Ohio EPA in a public meeting in September 2008 [USNRC 2008]. Alternative approaches were discussed for demonstrating that areas of the Plum Brook impacted by contaminated sediments satisfy the 25 mrem/yr dose criterion.[1] These are:

- Establish DCGLs and perform final status survey using MARSSIM guidance
- Characterize and perform a dose assessment.

[1] 10CFR20, Subpart E, Radiological Criteria for License Termination [USNRC 2009].

It was agreed that the latter approach was the most practical and was acceptable to all parties. The NRC identified requirements for an acceptable dose assessment [USNRC 2008]. Subsequently NASA determined that additional information and evaluation were required. Two tasks were identified. First, a detailed description of the distribution of radionuclides of PBRF origin in the Plum Brook environs was to be developed. This was to be followed by a revised dose assessment.[2]

The present report addresses the need for a detailed description of the "source term" for the dose assessment to show that the Plum Brook sediments meet the 25 mrem/yr dose criterion. The dose assessment must be capable of taking into account the non-uniform distribution of contaminated sediments along the Plum Brook and the potential presence of other radionuclides in addition to Cs-137.

Multiple radionuclides were released from PBRF to the Pentolite Ditch via liquid effluents. For assessment of doses from Plum Brook sediments, it is necessary to identify the PBRF radionuclides currently present in the sediments. It is assumed that radionuclides released in liquid effluents include the suite of radionuclides identified in the Final Status Survey Plan as constituents of residual contamination in PBRF soil in 2005. The principal radionuclides included H-3, C-14, Ni-63, Co-60, and Sr-90, all comprising > 1 % of the total activity in soil samples analyzed for this purpose [NASA 2007]. Other radionuclides measured included Eu-155 (0.8%), I-129 (0.5%), Nb-94 (0.3%); U-236, Pu-238, Pu-239, Am-241, Am-243 and Cm-245 (all at 0.2% or less of the total activity).

The PBRF soil mixture established for Final Status Survey purposes (DCGLs) comprised: Cs-137 (89.1%), Sr-90 (8.4%) and Co-60 (2.6%). The other radionuclides listed above were eliminated from further consideration because their combined dose contribution to future site occupants was less than 10 % of the 25 mrem/y site release criterion in accordance with NRC guidance [USNRC 2003]. In fact, the total dose contribution from the minor mixture constituents was calculated to be only 0.5 mrem/y [NASA 2007]. [3]

Identification of PBRF radionuclides currently present in Plum Brook sediments is confirmed by radiochemical analysis of sediment samples. As part of the 2004-2005 characterization of Pentolite Ditch sediments by a previous Decommissioning Contractor, two ditch sediment samples were sent to a vendor laboratory. The analysis request included H-3, C-14, Ni-63, Sr-90, isotopic thorium, isotopic uranium and gamma spectroscopy. The samples yielded non-detect equivalent results for H-3, C-14, Ni-63 and Sr-90. Isotopic uranium and thorium were reported as background equivalent results [MWH 2005]. Of the gamma emitters of potential PBRF origin, only Co-60 and Cs-137 were measured at concentrations above the specified Minimum Detectable Activity (MDA), typically < 0.2 pCi/g for these two analytes [MWH 2005].

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[2] Revised Dose Assessment for Plum Brook Sediments [NASA 2009].

[3] It should be noted that this result was obtained from the dose assessment performed to establish DCGLs for PBRF soils. This assessment was based on the standard-generic Resident Farmer exposure scenario.

As discussed in Section 5 below, during the 2005 characterization of the Plum Brook three sediment samples were sent to a vendor laboratory for analysis for H-3, C-14, Sr-90, isotopic uranium and gamma spectroscopy. Only Co-60, Cs-137 and uranium concentrations were measured above MDA; H-3, C-14 and Sr-90 concentrations were consistent with background levels [STL 2005].

From the above, it is concluded that the only radionuclides of PBRF origin presently in Plum Brook sediments in excess of minimum detectable concentrations are Cs-137 and Co-60. They comprise the source term constituents for the dose assessment.

3.0 References

ANL 2001 Argonne National Laboratory, Environmental Assessment Division, *User's manual for RESRAD Version 6*, ANL/EAD-4, July 2001.

Gilbert 1987 Richard O. Gilbert, *Statistical Methods for Environmental Pollution Monitoring*, Van Nostrand Reinhold, New York, 1987.

Haag 2008a Haag Environmental Company, *Characterization Report for Plum Brook Sediment in Floodplain Wetland*s, Prepared for NASA Plum Brook Decommissioning Program, March 2008.

Haag 2008b Haag Environmental Company, *Characterization Report for Plum Brook Sediment in Stream Mouth Wetland*s, Prepared for NASA Plum Brook Decommissioning Program, April 2008

Haag 2008c Haag Environmental Company, *Plum Brook Sediments - Presentation for Ohio Dept. of Health*, May 2008

MWH 2005a MWH Constructors, Inc. NASA Plum Brook Reactor Facility *Decommissioning, Characterization Survey Package Number A2300 101C1, Pentolite Ditch*, August 22, 2005.

MWH 2005b MWH Constructors, Inc. NASA Plum Brook Reactor Facility Decommissioning, *Characterization Survey Package Number A2300 101C5, Pentolite Ditch*, September 19, 2005.

NASA 1959 NASA Lewis Research Center Staff, Final Hazards Summary, NASA Plum Brook Reactor Facility, Part II, Appendix D, *Memorandum on the Geology and Hydrology of a Proposed Reactor Site Near Sandusky, Ohio*. December 1959.

NASA 2007 NASA Safety and Mission Assurance Directorate, *Final Status Survey Plan for the Plum Brook Reactor Facility*, Revision 1, February 2007.

NASA 2008a NASA Safety and Mission Assurance Directorate Plum Brook Reactor Facility, Technical Basis Document, *Dose Assessment and Derived Concentration Guidelines for Plum Brook Sediments*, PBRF-TBD-07-005, Revision 0, June 2008.

NASA 2008b NASA Safety and Mission Assurance Directorate Plum Brook Reactor Facility, Decommissioning Project, *Plum Brook Characterization Data Summary*, October, 2008

NASA 2008c NASA Safety and Mission Assurance Directorate Plum Brook Reactor Facility, Technical Basis Document, *Assessment of Age-Dependent Dose from Plum Brook Sediments*, PBRF-TBD-08-001, Revision 0, August 2008.

NASA 2009 NASA Safety and Mission Assurance Directorate Plum Brook Reactor Facility, Technical Basis Document, *Revised Dose Assessment for Plum Brook Sediments*, PBRF-TBD-08-006, Revision 0, March 2009

ODNR 2006 Ohio Department of Natural Resources, Division of Natural Areas and Preserves, *The Ecology of Old Woman Creek, Ohio: An Estuarine and Watershed Profile*, Second Edition, 2006.

STL 2005 Severn Trent Laboratories, Inc. Analytical Report Project No. 30625776, NASA D&D, PBRF, November 17, 2005.

USACE 2004 US Army Corps of Engineers, Louisville District, *Hydrogeological Report Plum Brook Reactor Facility Sandusky, Ohio*. November 2004.

USEPA 1992 US Environmental Protection Agency, Office of Solid Waste and Emergency Response, *Supplemental Guidance to RAGS: Calculating the Concentration Term*, Publication 9285.7-081, May 1992.

USNRC 2003 US Nuclear Regulatory Commission, Office of Nuclear Material Safety and Safeguards, *Consolidated NMSS Decommissioning Guidance*, NUREG-1757, Final Report, September 2003.

USNRC 2008 Memorandum from Rebecca Tadesse, Chief Materials Decommissioning Branch, Division of Waste Management and Environmental Protection, to Keith Peecook Program Manager, Plum Brook Reactor Decommissioning Program, *Report of September 3, 2008 Meeting with National Aeronautics and Space Administration Sandusky, OH*, October 16, 2008.

USNRC 2009 US Nuclear Regulatory Commission, *Standards for Protection Against Radiation, Subpart E Radiological Criteria for License Termination*, http://www.nrc.gov/reading-rm/doc-collections/cfr/part020/, February 27, 2009.

4.0 Plum Brook Sediment Characterization

Sediments containing radionuclides believed to be of PBRF origin have been detected along the length of the Plum Brook from the Pentolite Ditch to Sandusky Bay. Radiological characterization surveys have been conducted to define the levels and extent of contaminated sediments. Sediment deposits in the Plum Brook contain a mixture of radionuclide-bearing and non-radioactive sediments. Sediments bearing PBRF radionuclides constitute a very small fraction of the total mass of sediments in the Plum Brook. Once radionuclide-bearing sediments have been introduced into the stream, they behave the same as non-radioactive sediments of similar mineral composition. An adequate picture of the physical and statistical distribution of the contaminated sediments requires radiological characterization data and general understanding of sediment behavior in the stream and its environs.

4.1 Plum Brook Overview

The Plum Brook originates in farmland south of the NASA Plum Brook Facility and terminates in Sandusky Bay east of the city of Sandusky. Figure 1 shows the regional setting along the Lake Erie shoreline in northwestern Ohio. An aerial view of the local area with the stream course highlighted is shown in Figure 2.

Figure 1, Plum Brook Regional Setting

Figure 2, Aerial View Showing Plum Brook Stream Course

The portion of Plum Brook impacted by radionuclides of PBRF origin lies between the confluence of Plum Brook with Pentolite Ditch and its terminus in Sandusky Bay. It is divided into four sections for characterization purposes, denoted as Sections 1 through 4. Section 1, lies between Pentolite Road, in the northern portion of the NASA Plum Brook Facility, and US Rt. 2. This portion of the stream was further divided into five subsections for characterization. These are identified as Sections A – E. They are shown in Figure 3.

The section that includes the stream course that runs from US Rt. 2 and through the main part of the Plum Brook Country Club (PBCC) is identified as Section 2. It is shown in Figure 4. The figure shows where the stream transitions to flood plain in the vicinity of several ponds located in the northern part of the PBCC. The Flood Plain, identified as Section 3 - shown in Figure 5, extends from the PBCC ponds to US Rt. 6 (Cleveland Rd.). The final section of the stream, from US Rt. 6 to Sandusky Bay, the Plum Brook Estuary, is identified as Section 4. It is shown in Figure 6.

Figure 3, Section 1, - Pentolite Ditch to Rt. 2 - Showing Sub-Sections A - E

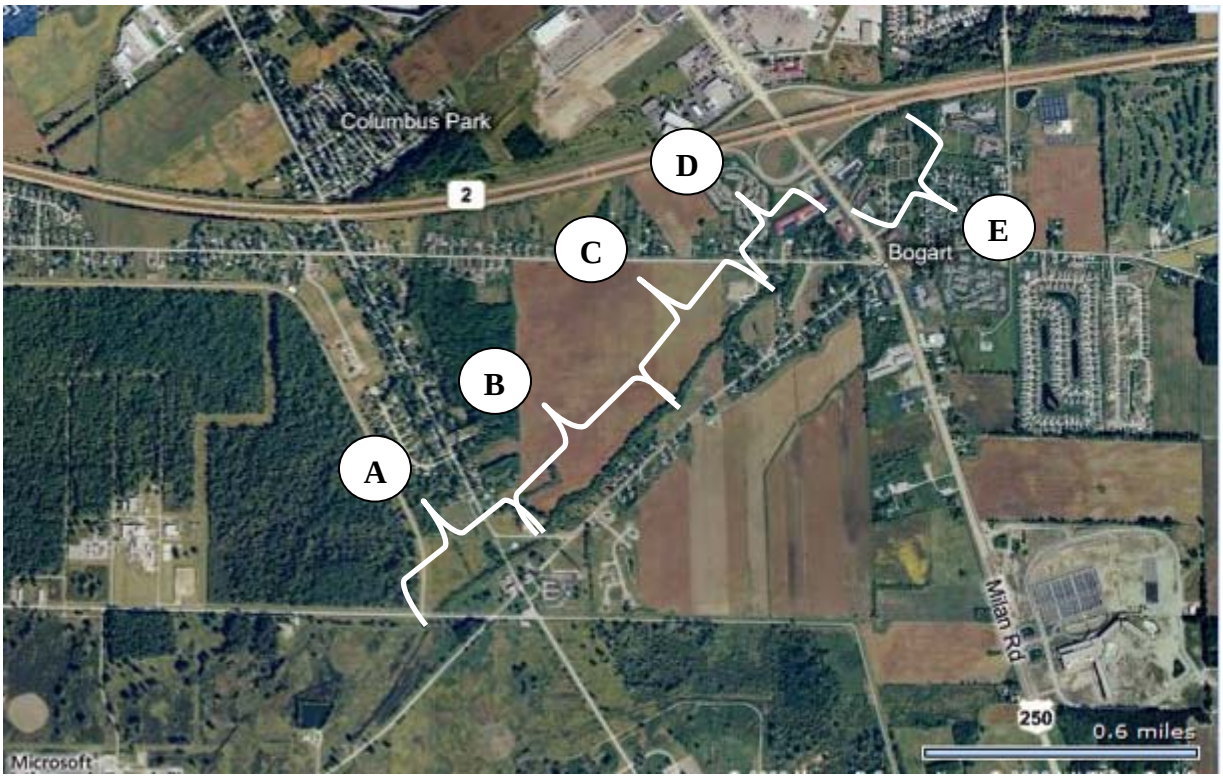

Figure 4, Stream Section 2 – Rt. 2 to Plum Brook Country Club

Figure 5, Stream Section 3 – Plum Brook Country Club to Rt. 6

Figure 6, Stream Section 4 – Rt. 6 to Sandusky Bay

4.2 Sediment Deposition Characteristics

The Plum Brook between Pentolite Ditch and Sandusky Bay is comprised of three hydrologic regimes[4]. From Pentolite Ditch through the lower two-thirds of the PBCC golf course, a stream-course distance of about 3.7 mi., it is described as a meandering stream. The stream channel is carved through dense glacial till, composed of clay, sand, unconsolidated gravel and soils. The stream channel is confined within steep vegetated banks. The stream escapes the banks only during major floods. The stream from the northern portion of the PBCC to the US Rt. 6 overpass, a stream-course distance of 0.8 mi., is classified as floodplain. Here, the stream course tends to be less meandering and the banks much less pronounced than in the meander sections. The stream periodically floods, escaping the banks and the stream width fluctuates accordingly. The stream-mouth estuary extends from US Rt. 6 to the Sandusky Bay shoreline, a distance of about 0.7 mi.

Sediment enters low-lying surface streams primarily as suspended particulate material from soil eroded from the surrounding watershed during storms and is carried to the stream as surface runoff. Sediment is transported downstream by flowing water. Sediment is continually deposited and re-suspended in the water column of a flowing stream at rates dependent on the water velocity, and sediment and water chemistry. Over time, there is net movement of sediment in the downstream direction, with an accumulation of deposited sediments in the Estuary and the Bay.[5] However, at any given time sediment deposits are found throughout the stream course. The characteristics of sediment deposits are strongly influenced by the stream hydrologic regime.

In low-lying streams such as the Plum Brook, three types of sediment deposits are found in meandering sections. Under normal flow conditions, erosion and suspension of material occurs just upstream of bends and deposition takes place on the downstream side as the velocity slows. This pattern of erosion and deposition is illustrated in Figure 7. The second type of deposition occurs during periods of high flow when the water level rises above the meandering channel but is still confined within the stream banks. Erosion and deposition then occurs along stream banks. There is less of a velocity gradient across the stream than in low flow conditions and deposition tends to occur near obstacles such as debris and trees on the stream banks and behind culverts where the water “backs up” (backwaters). A third type of deposition occurs under flood conditions. During major flood events, water levels rise above the banks and extend onto the surrounding land. At points of flow restriction, such as underpass culverts,

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[4] The description of Plum Brook sediment deposition characteristics is adapted primarily from a series of reports and presentations prepared by Haag Environmental Company for the NASA Plum Brook Decommissioning Program [Haag 2008a, Haag 2008b, Haag 2008c]. Information from other sources is cited in the text.

[5] Significant quantities of sediment are received and moved downstream each year by streams such as Plum Brook which pass through agricultural land. Using published erosion rates for the nearby Old Woman Creek watershed, it is estimated that between one hundred and two hundred tons of sediment enter the Plum Brook each year [ODNR 2006].

backwaters are created which may extend even further from the normal channel. Sediment deposition occurs on the submerged land surface and especially at and near the “shoreline” as the water recedes. This phenomenon is readily observed as a covering of “mud” and silt on lawns and grassy areas which have been flooded. If the water recedes rapidly, a “bathtub ring” effect may be observed. A cross section view of a meandering stream is shown in Figure 8. It illustrates the three types of deposits. Figure 9, a schematic of a meandering stream carved into glacial clay till, shows the three types of deposits in a perspective view. This is characteristic of Plum Brook between Pentolite Road and the PBCC.

Figure 7, Erosion-Deposition Pattern in Stream Meander

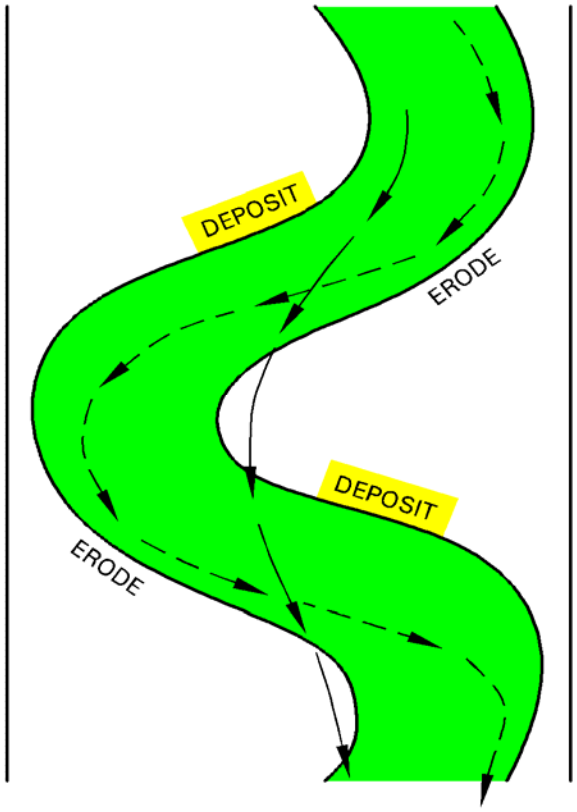


Figure 8, Deposition Settings in Meander Stream and Backwater Areas

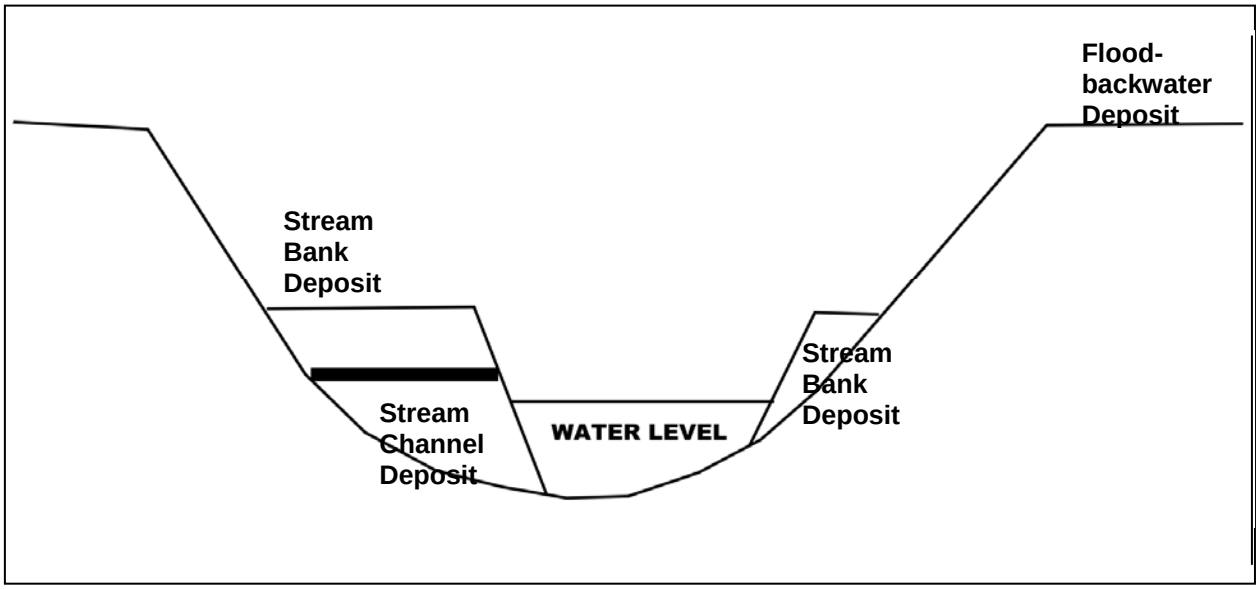
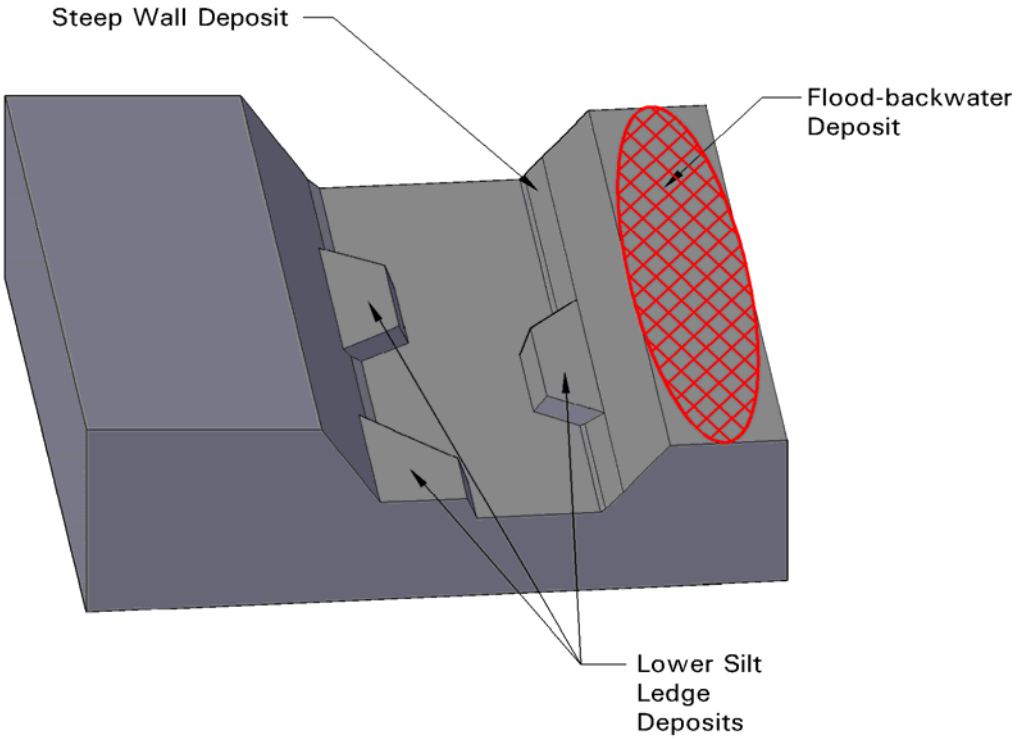


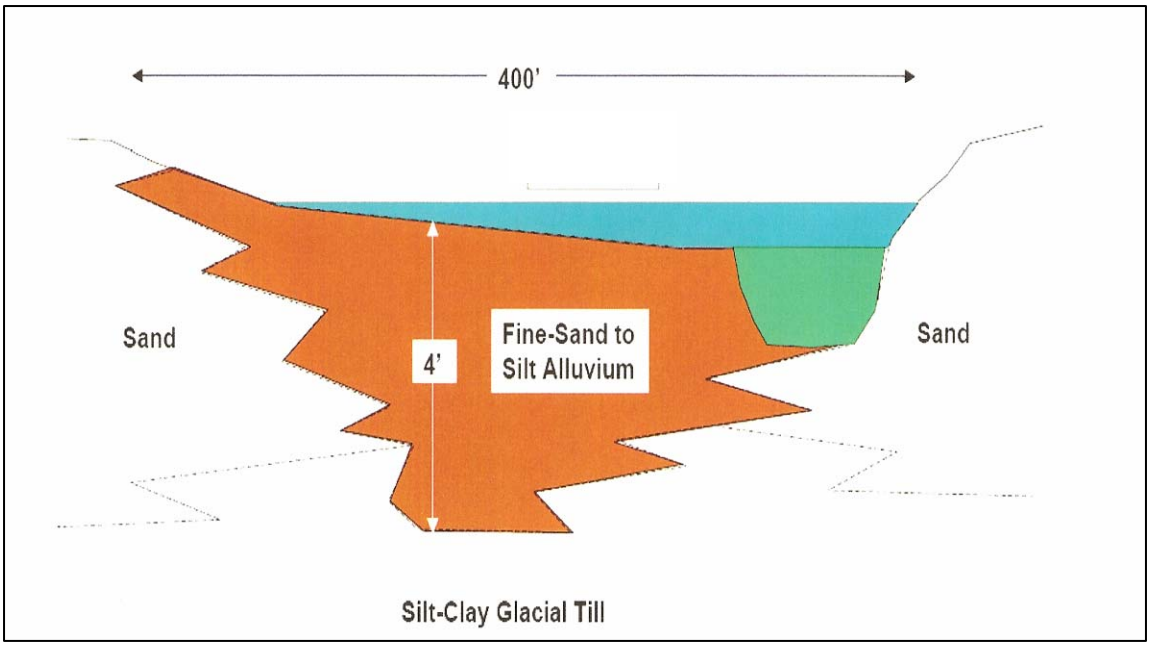
Figure 9, Perspective View of Stream Channel Showing Sediment Deposits



From the preceding discussion it is seen that sediment is deposited non-uniformly along Plum Brook stream meander sections. Some sediment will be found nearly everywhere within the stream channel and stream banks, if only in very thin layers (< 1 cm. in thickness). Most of the material will reside in discrete deposits of thickness from several cm. up to 10's of cm.

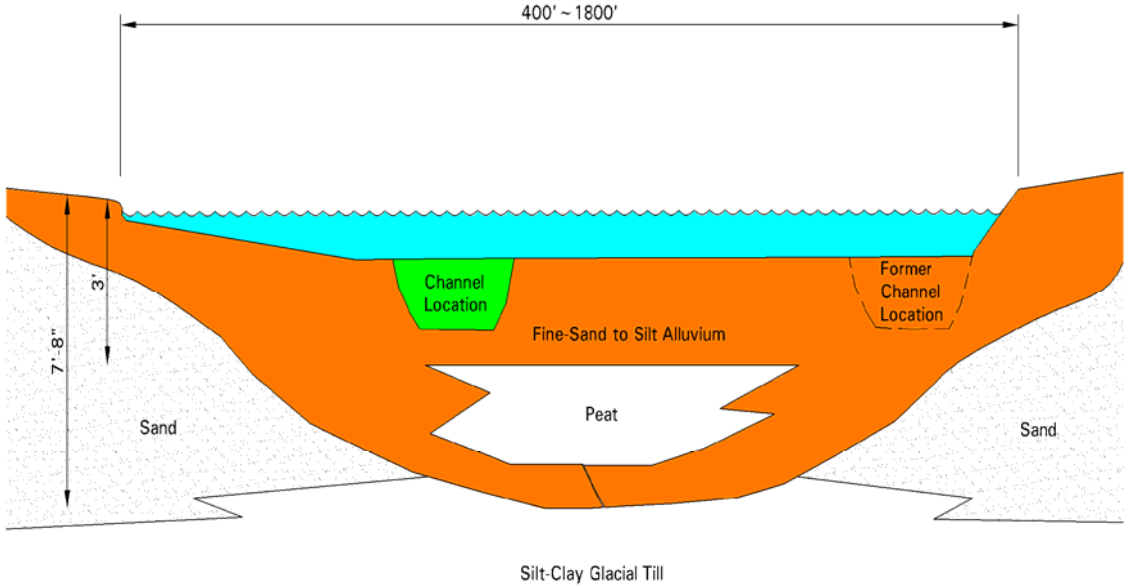
Sediment deposits lie nearly continuously beneath and adjacent to the stream channel in the floodplain. Generally, the entire floodplain is underlain with sediment as the stream has "wandered" across the flood plain over time. The thickness of sediment varies considerably. In the upper flood plain represented by the stream between the PBCC and just north of Perkins Rd, fine sand, silt and alluvium deposits up to four ft. thick are observed. Figure 10 shows a cross section view of upper flood plain sediment.

Figure 10, Upper Flood Plain Cross Section



Sediment deposits underlie the entire wetlands in the Plum Brook lower flood plain and stream mouth-estuary. The deposits extend large distances laterally from the stream and are up to eight ft. thick. The sediments are intermingled with peat deposits derived from wetlands vegetation. A cross section schematic of the lower flood plain and estuary is shown in Figure 11. The stream widens considerably in the estuary – Figure 11 represents the cross section in the lower estuary.

Figure 11, Cross Section of Lower Flood Plain and Estuary



4.3 Radiological Characterization Data

Extensive sampling campaigns were conducted to determine the levels and extent of radioactivity contamination in the Plum Brook. They were performed under approved procedures. Radiological survey, soil and sediment sampling information is maintained in procedure-controlled survey packages. A scoping survey of the entire Plum Brook downstream of the PBRF was performed in 2005 under the existing, PBRF Procedure Manual. This initial survey Package is identified as SVI-04. Subsequent survey packages, identified as "Survey Requests" (SRs), were prepared under the revised PBRF Procedure Manual (2006). These SRs cover the Plum Brook and environs between the PBRF and Sandusky Bay. An index and summary of the survey packages is provided in Appendix A. Results of laboratory analysis of radionuclide concentrations in sediment and soil samples are compiled in a "sample data report" for each characterization package. Sample Data Reports from the 26 survey packages developed for the Plum Brook characterization are provided in Appendix B.

5.0 Distribution of Cs-137 and Co-60

This section describes the distribution of Cs-137 and Co-60 in the Plum Brook and near-environs using the characterization data identified above. First, an overview is provided of concentration trends vs. downstream distance and depth obtained from the initial (2005) characterization survey. This is followed by descriptions of concentration distribution in the major stream sections. These descriptions are used to develop source term conceptual models described in Section 6.[6]

[6] In the discussions that follow, distinctions are made between sample results from samples considered to be random samples and results from samples not selected on a random basis. Estimates of average concentrations, where possible, are obtained from random sample results. When estimates are obtained from non-random samples, it

5.1 Initial Characterization Results

The initial scoping survey (conducted in the fall of 2005) was designed to determine if residual radioactivity from PBRF was present in the Plum Brook downstream of the confluence with Pentolite Ditch. The data is contained in survey package SVI-04. Samples were collected along the entire stream course from Pentolite Road in the PBRF to the crossing at US Rt. 6 near the stream mouth. Locations were identified along the Brook where the stream bed could be safely accessed without entering private property. These were primarily at stream roadway over-crossings. A scan survey was performed in at least two areas at each access point using the Ludlum 2350-1 data logger with 2x2 in sodium iodide (NaI) detector and Cs-137 energy window setting. The window was approximately 100 keV wide centered on the Cs-137 (Ba-137) 662 keV full energy peak. Soil samples were collected at each area where gamma activity was observed above 300 gross cpm [7]. A minimum of two core samples were required at each designated access location. Samples were collected at 0-6", 7-12", and 13-18" depths (except where "refusal" occurred). Four background sample locations were identified in similar streams in the Plum Brook watershed. Samples were collected for gamma spectroscopy analysis.

Samples were collected from eleven locations between the Pentolite Ditch and Sandusky bay. The samples were analyzed by gamma spectroscopy by the on-site PBRF counting laboratory. The average Cs-137 activity from the eleven locations (all sample depths included) was 5.2 ±0.6 pCi/g. The average Cs-137 activity from the background locations was 0.19 ±0.10 pCi/g.

Sediment Cs-137 concentration vs. downstream distance from Pentolite ditch is shown in Table 1. The source data for Table 1 is provided in Appendix B (pages 2 through 5). Results for all the samples collected from the locations sampled between Pentolite Ditch and Sandusky Bay are included. Note that two cores were collected at each location. The average concentrations for each of the locations are the average of all concentrations at all depths. Concentrations reported for each location at each depth are calculated as the average of the two core results from that depth. Cesium-137 concentration trends are shown graphically in Figure 12.

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is noted. The treatment of less than MDA values in estimating sample averages differs between Cs-137 and Co-60. It is known that Cs-137 is present in low levels in essentially all soil and sediments as background from weapons test fallout. Therefore, all Cs-137 results are included in estimating average concentrations (concentrations reported as < MDA are replaced by a value of 0.5 x MDA) [Gilbert 1987]. In contrast, Co-60 is not normally detected in soils and sediments in areas not impacted by nuclear operations. Data sets for estimating Co-60 average concentrations are censored. Values less than MDA are considered non-detects and are not included.

[7] The use of 300 gross cpm was based on an investigation-action level of 6 pCi/g Cs-137 (average concentration) in surface soil (0 to 15 cm). The action level was established at 50% of the Cs-137 soil DCGL established in the PBRF Final status Survey Plan [NASA 2007]. The basis for the Cs-137 window surface scan counts vs. Cs-137 soil concentration is documented in the 2005 Characterization Package A2300 101C5 [MWH 2005].

Table 1, Cs-137 Concentration vs. Downstream Distance – from Initial Characterization

Loc. No.	Location	Cum. Dist (mi)	Average Cs-137 Concentrations (pCi/g) (1)			
			All Depths (2)	0"-6"	7"-12"	13"-18"
2	Pentolite Rd	0.02	2.6 ± 1.9	2.7	2.4	2.8
3	Columbus Ave	0.24	4.6 ± 2.6	4.4	4.2	5.3
4	Clark Rd	0.33	1.6 ± 0.2	1.7	1.6	1.4
15	WWTS 1 upstream	0.79	15.7 ± 5.2	19.6	11.8	NR (3)
16	WWTS 2 downstream	0.8	9.1 ± 5.2	10.1	8.1	NR (3)
5	Taylorbrook Rd	1.0	18.31± 10.2	19.7	11.7	22.7
6	Bogart Rd	1.16	6.6 ± 4.3	10.7	3.1	4.0
7	Galloway Rd	2.42	0.5 ± 0.2	0.4	0.6	NR (3)
8	Hull Rd	2.87	0.3 ± 0.2	0.2	0.3	0.3
9	Perkins Ave	3.6	0.4 ± 0.1	0.3	0.3	0.5
10	Rt. 6	3.84	1.1 ± 0.9	0.4	0.8	2.2

Table 1 Notes.

1. All results are averages of the available results for each category including QC replicate sample results.
2. Average Cs-137 concentrations at all depths are reported as the average of the sample results from all depths ± one standard deviation.
3. NR means no sample recovery.

Figure 12, Cs-137 Concentration Trends from Initial Characterization

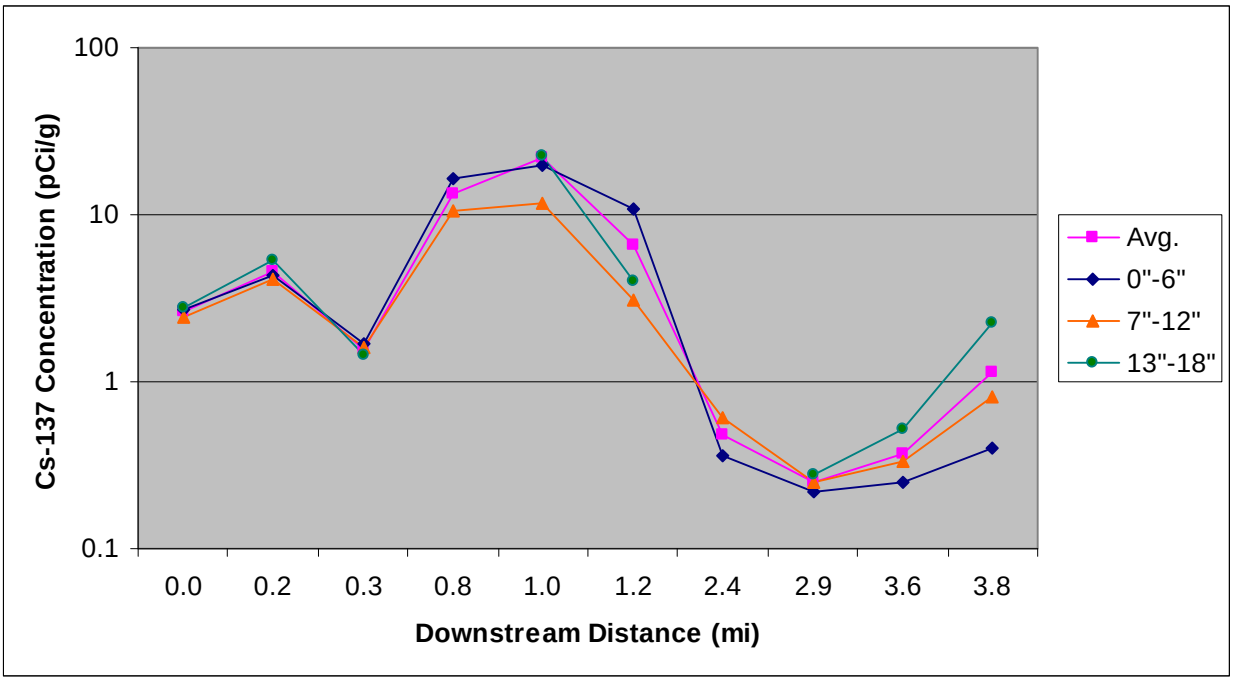


Figure 12 Note. The results for the two Wastewater Treatment Plant locations were combined to provide trend curves showing concentration vs. consistently increasing distance.

Examination of Table 1 and Figure 12 suggests that Cs-137 concentration generally decreases proceeding downstream from Pentolite ditch to Rt 6. However, superimposed on this trend is a large relative increase that extends from the former Wastewater Treatment plant (0.8 mi.) to Galloway Rd (2.4 mi.).[8] There is nearly uniform concentration with depth between Pentolite Ditch and the Wastewater Treatment plant – from there downstream, depth stratification is observed. Initially, the 0 to 6 in layer shows the highest concentration, but from Galloway Rd. downstream, the lower depths have the highest concentration, with the 13 to 18 inch layer predominating from Hull Rd. downstream to Rt 6.

Cobalt-60 concentrations are shown in Table 2 and Figure 13. While the concentrations are an order of magnitude lower than Cs-137, the overall trend of concentration vs. downstream distance is similar from Pentolite Ditch to Bogart Rd. From Bogart Rd. to US Rt. 6 concentrations are very low, mostly below MDA, so no Co-60 trends can be inferred.

Table 2, Co-60 Concentration vs. Downstream Distance – from Initial Characterization

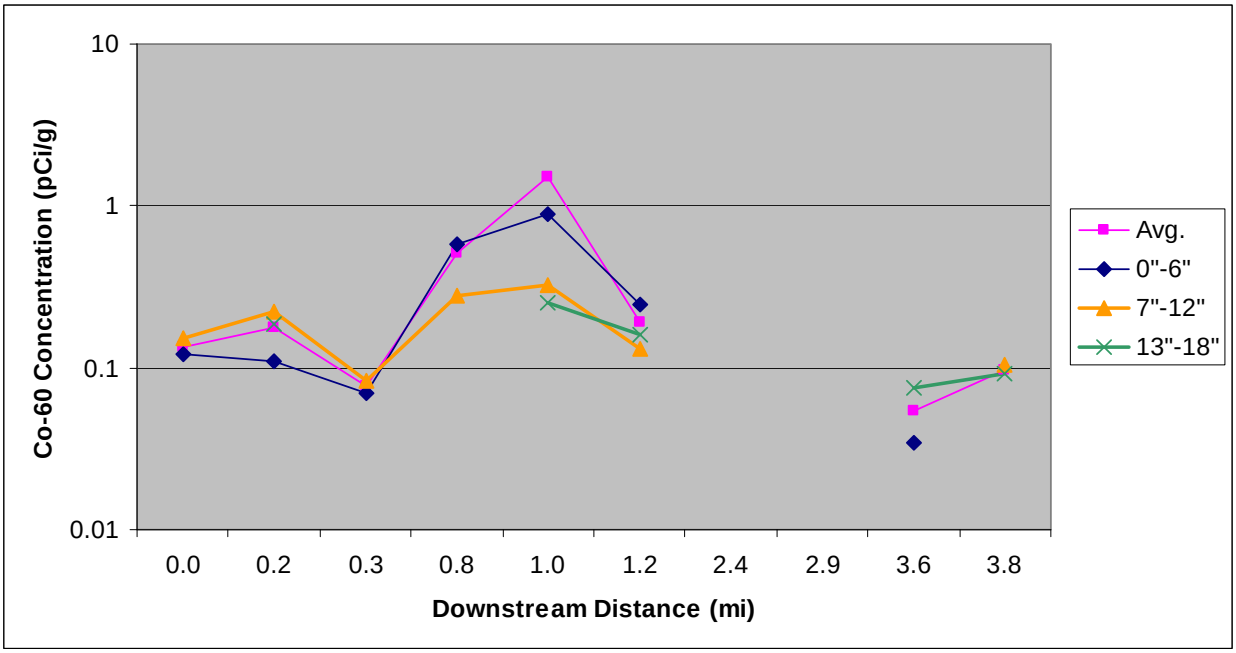
Loc. No.	Location	Cum. Dist (mi)	Average Co-60 Concentrations (pCi/g) (1)			
			All Depths (2)	0"-6"	7"-12"	13"-18"
2	Pentolite Rd	0.02	0.14±0.05	0.12	0.15	<MDA (3)
3	Columbus Av	0.24	0.18±0.05	0.11	0.22	0.19
4	Clark Rd	0.33	0.08±0.01	0.07	0.08	<MDA (3)
15	WWTS 1	0.79	0.32±0.07	0.33	0.30	NR (4)
16	WWTS 2	0.8	0.60±0.74	1.89	0.50	NR (4)
5	Taylorbrook Rd	1.0	0.49±0.36	0.90	0.32	0.25
6	Bogart Rd	1.16	0.19±0.07	0.24	0.13	0.16
7	Galloway Rd	2.42	<MDA (3)	<MDA (3)	<MDA (3)	NR (3)
8	Hull Rd	2.87	<MDA (3)	<MDA (3)	<MDA (3)	<MDA (3)
9	Perkins Ave	3.6	0.05±0.03	0.03	<MDA (3)	0.08
10	Rt. 6	3.84	0.10±0.02	<MDA (3)	0.10	0.09

Table 2 Notes.

1. All results are averages of the available results for each category including QC replicate sample results.
2. Average Co-60 concentrations at all depths are reported as the average of the sample results from all depths ± one standard deviation.
3. Co-60 MDA values range from 0.02 to 0.09 with an average of 0.05 pCi/g for the samples used to generate this table.
4. NR means no sample recovery.

[8] It has been suggested that the former Wastewater Treatment (WWT) facility may have released Co-60 and Cs-137 to the Plum Brook, but no records could be located to confirm or refute this. An alternate interpretation is that the apparent increase is an artifact. The SVI-04 sample frequency is relatively low compared to subsequent characterization efforts. No similar local relative increase near the WWT plant is observed in samples collected from Stream Section 1 in subsequent characterization surveys.

Figure 13, Co-60 Concentration Trends from Initial Characterization



Sediment samples collected during the 2005 initial characterization were sent to a vendor laboratory for gamma spectroscopic and analysis for tritium, Sr-90 and isotopic uranium. They were selected to represent the entire stream course. The samples included a sample from the Pentolite Ditch, the Plum Brook near Columbus Avenue (Stream Section 1) and Plum Brook near US Rt. 6, (13 to 18 in depth, Stream Section 3). The results for Cs-137 and Co-60 were consistent with PBRF counting laboratory results. Of the other radionuclides analyzed, only uranium was detected above environmental MDA levels, but at concentrations consistent with background concentrations [STL 2005].

5.2 Upper Meander – Section 1

The portion of the Plum Brook that extends from Pentolite Road to US Rt. 2 is designated as Stream Section 1. The stream course is about 1.6 miles in length. For characterization purposes it was divided into Sections A through E. A total of 15 survey packages were developed for Section 1. They are identified in Table 3.

Table 3, Section 1 Survey Packages

Survey Package No.	Description	Stream Course Dist. (ft)	Sampling Design Basis	No. of Samples (1)	No. of Locations Sampled
SR-5	Pentolite Rd to Clark Rd (Sect. A Ph. 1)	1425	Random (syst)	180	57
SR-9	Pentolite Rd to Clark Rd (Sect. A Ph. 2)		from banks w. elevated scans	140	40
SR-45	Pentolite Rd to Clark Rd (Sect. A Bounding)		Investigate and bound elev. areas	184	72
SR-6	Clark Rd to Taylorbrook Lane (Sect. B Ph. 1)	2300	Random (syst)	271	92
SR-10	Clark Rd to Taylorbrook Lane (Sect. B Ph. 2)		from banks w. elevated scans	42	14
SR-46	Clark Rd to Taylorbrook Lane (Sect. B Bounding)		Investigate and bound elev. areas	31	14
SR-7	Taylorbrook Ln. to Bogart Rd. (Sect. C Ph. 1)	2275	Random (syst)	279	91
SR-11	Taylorbrook Ln. to Bogart Rd. (Sect. C Ph. 2)		from banks w. elevated scans	151	48
SR-47	Taylorbrook Ln. to Bogart Rd. (Sect C Bounding)		Investigate and bound elev. areas	57	46
SR-8	Bogart Rd. to Rt. 250 (Sect. D Ph. 1)	1100	Random (syst)	91	29
SR-12	Bogart Rd. to Rt. 250 (Sect. D Ph. 2)		from banks w. elevated scans	68	21
SR-48	Bogart Rd. to Rt. 250 (Sect. D Bounding)		Investigate and bound elev. areas	45	13
SR-19	Rt 250 to Rt. 2 (Sect. E Ph. 1)	1500	Random (syst)	142	45
SR-20	Rt 250 to Rt. 2 (Sect. E Ph. 2)		from banks w. elevated scans	64	20
SR-49	Rt 250 to Rt. 2 (Sect. E Bounding)		Investigate and bound elev. areas	65	19
SR-21	Former WWT facility property on Taylor Rd	NA	random start - triangular grid	17	16
SR-22	Residential yards adjacent to Plum Brook	NA	judgment & using scan results	11	10
SR-95	Former WWT facility property on Taylor Rd	NA	biased - former plant tank locations	20	70

Table 3 Notes:

1. The No. of samples listed includes QC replicates (approximately 5%). The QC replicate sample results are deleted from the data sets for the analysis discussed below unless noted otherwise.
2. The characterization packages SR-21, SR-22 and SR-95 cover properties adjacent to the Plum Brook, Stream Section 1. They are included in this listing for complete identification of Stream Section 1 packages.

From examination of Figures 12 and 13, which show concentration trends from the initial characterization, it is concluded that a significant fraction of the radioactivity inventory of PBRF origin resides within the first 1 ½ miles downstream from the Pentolite Ditch. This is encompassed by Stream Section 1. This is the most sampled stream section by far, providing a large data set for developing descriptions of sediment distribution.

The characterization of Section 1 (Sections A through E) was conducted in three phases. Phase 1 sampling locations were selected using a systematic grid centered on the stream bed with a randomly selected start location. Phase 1 results are reported in the Survey Package Sample data Reports for SR-5, SR-6, SR-7, SR-8 and SR-19. Phase 2 focused on the stream banks using gamma scans to select sampling locations, a biased sampling approach. Phase 2 results are reported in the Survey Package Sample data Reports for SR-9, SR-10, SR-11, SR-12 and SR-20. Phase 3, variously identified as “bounding” or “investigational” characterization surveys, covered both the stream bed and banks. Gamma scans were used to delineate locations with “elevated” activity identified in Phase 1 and 2 surveys (also a biased sampling approach). The Phase 3 results are reported in the Survey Package Sample data Reports for SR-45, SR-46, SR-47, SR-48 and SR-49. All the sample data reports identified above are included in Appendix B.

Guidance for dose assessments issued by the US NRC, indicates that average concentrations of each radionuclide are used for the “source term” – consistent with the assumption of uniform contamination of soil or sediment [USNRC 2003]. The average concentrations from Phase 1 samples are assumed to provide unbiased estimates of the mean concentrations of Cs-137 and Co-60. These data are obtained from a sampling design where the sample locations were established on a standard grid with random start location. On this basis, the estimated average streambed Cs-137 concentration in Section 1 is 1.2 ± 2.8 pCi/g (one standard deviation). The estimated average streambed Co-60 concentration in Section 1 is 0.13 ± 0.07 pCi/g (one standard deviation). These averages are obtained from all Phase 1 samples from all depths. The average Cs-137:Co-60 ratio estimated from Section 1, Phase 1 samples is 18.8 ± 19.1 (one standard deviation). It is noted that the sample results have not been decay corrected from the time of analysis to the present. The Co-60 concentrations in the Plum Brook have decayed to about two thirds of the values reported here (on average, about 3 years have elapsed since the Phase 1 samples were analyzed).

Next, Stream Section 1 concentration trends revealed by all samples in the five subsections, A through E, are examined. Tables 4 and 5 show Cs-137 and Co-60 average and maximum concentrations measured in the streambed, stream banks and from “bounding surveys”, proceeding downstream. The trends for Phase 1 (stream bed), Phase 2 (stream banks) and Phase 3 (bounding results for stream bed and banks) average and maximum concentrations are shown in Figures 14 and 15 respectively.

Table 4, Section 1 Overall Cs-137 Concentration Trends (pCi/g)

Parameter	Subsections					
	A	B	C	D	E	Combined
Stream Bed (Phase 1, pCi/g)						
Fraction of Samples > MDA	0.79	0.89	0.91	0.84	0.86	0.85
Average (± one std dev)	1.3 ± 4.7	0.9 ± 0.9	1.6 ± 2.4	1.2 ± 3.1	0.6 ± 0.7	1.2 ± 2.8
Maximum	38.3	5.7	24.2	27.0	3.2	38.3
Stream Banks (Phase 2, pCi/g)						
Fraction of Samples > MDA	0.91	0.95	0.99	1.0	0.86	0.95
Average (± one std dev)	3.5 ± 6.8	5.5 ± 6.3	4.3 ± 3.9	4.7 ± 4.0	4.9 ± 6.6	4.3 ± 5.5
Maximum	50.1	27.2	26.1	15.7	29.8	50.1
Bounding – Bed and Banks (Phase 3, pCi/g)						
Fraction of Samples > MDA	0.97	0.84	0.98	1.0	0.98	0.96
Average (± one std dev)	8.2 ± 12.3	5.1 ± 5.4	8.6 ± 7.1	11.0 ± 7.8	5.6 ± 5.1	7.3 ± 9.9
Maximum	72.4	16.4	33.0	43.4	20.1	72.4

Table 5, Section 1 Overall Co-60 Concentration Trends

Parameter	Subsections					
	A	B	C	D	E	Combined
Stream Bed (Phase 1, pCi/g)						
Fraction of Samples > MDA	0.14	0.15	0.18	0.23	0.01	0.15
Average (± one std dev)	0.12 ± 0.09	0.11 ± 0.03	0.04 ± 0.08	0.13 ± 0.07	0.13 ± NA	0.13 ± 0.07
Maximum	0.44	0.38	0.48	0.30	0.13	0.48
Stream Banks (Phase 2, pCi/g)						
Fraction of Samples > MDA	0.31	0.40	0.31	0.35	0.20	0.32
Average (± one std dev)	0.18 ± 0.10	0.23 ± 0.13	0.21 ± 0.10	0.22 ± 0.09	0.38 ± 0.23	0.22 ± 0.14
Maximum	0.51	0.62	0.66	0.39	1.0	0.66
Bounding – Bed and Banks (Phase 3, pCi/g)						
Fraction of Samples > MDA	0.11	0	0.09	0.24	0.08	0.10
Average (± one std dev)	0.34 ± 0.31	NA	0.24 ± 0.06	0.36 ± 0.08	0.41 ± 0.33	0.38 ± 0.27
Maximum	1.59	NA	0.29	0.52	0.99	1.59

Figure 14, Average Cs-137 Concentration Trends in Stream Section 1

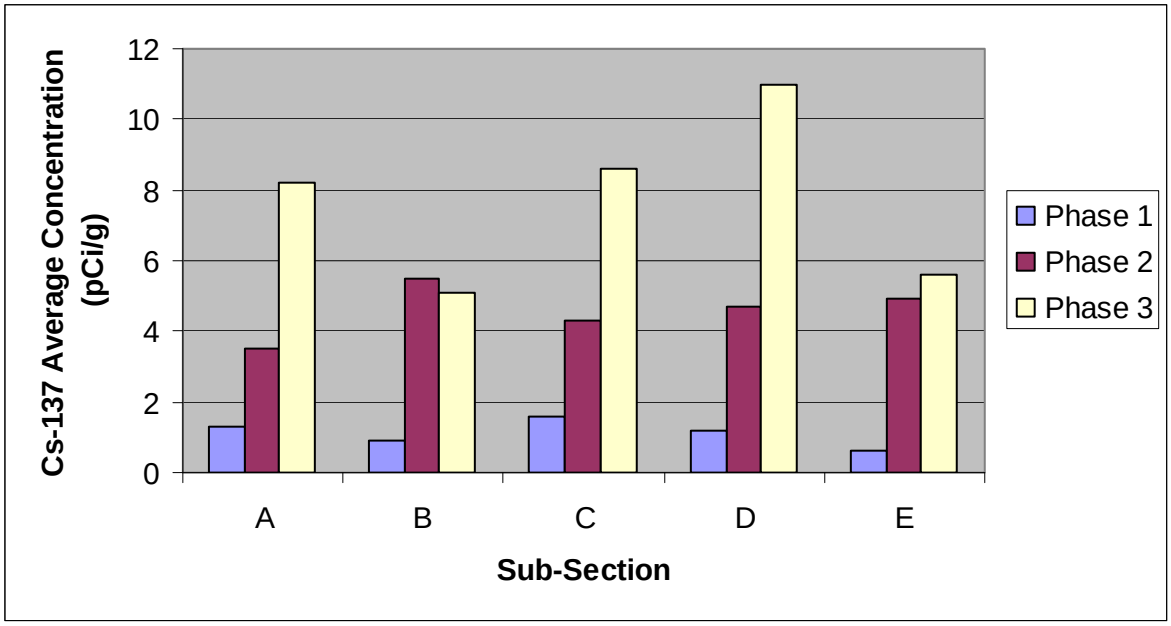
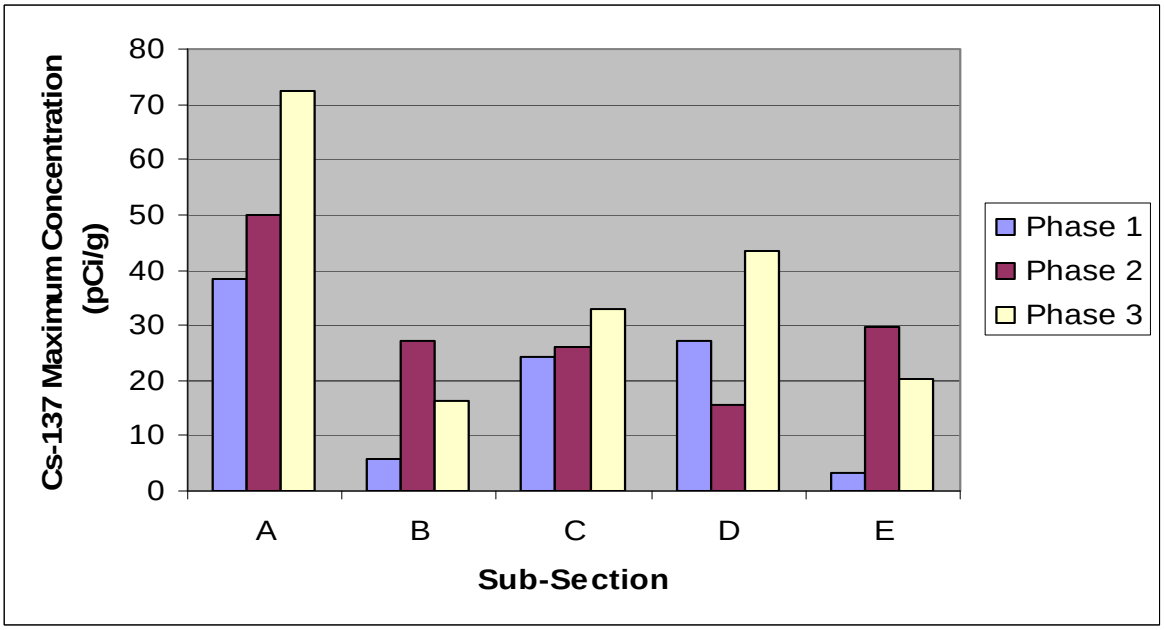


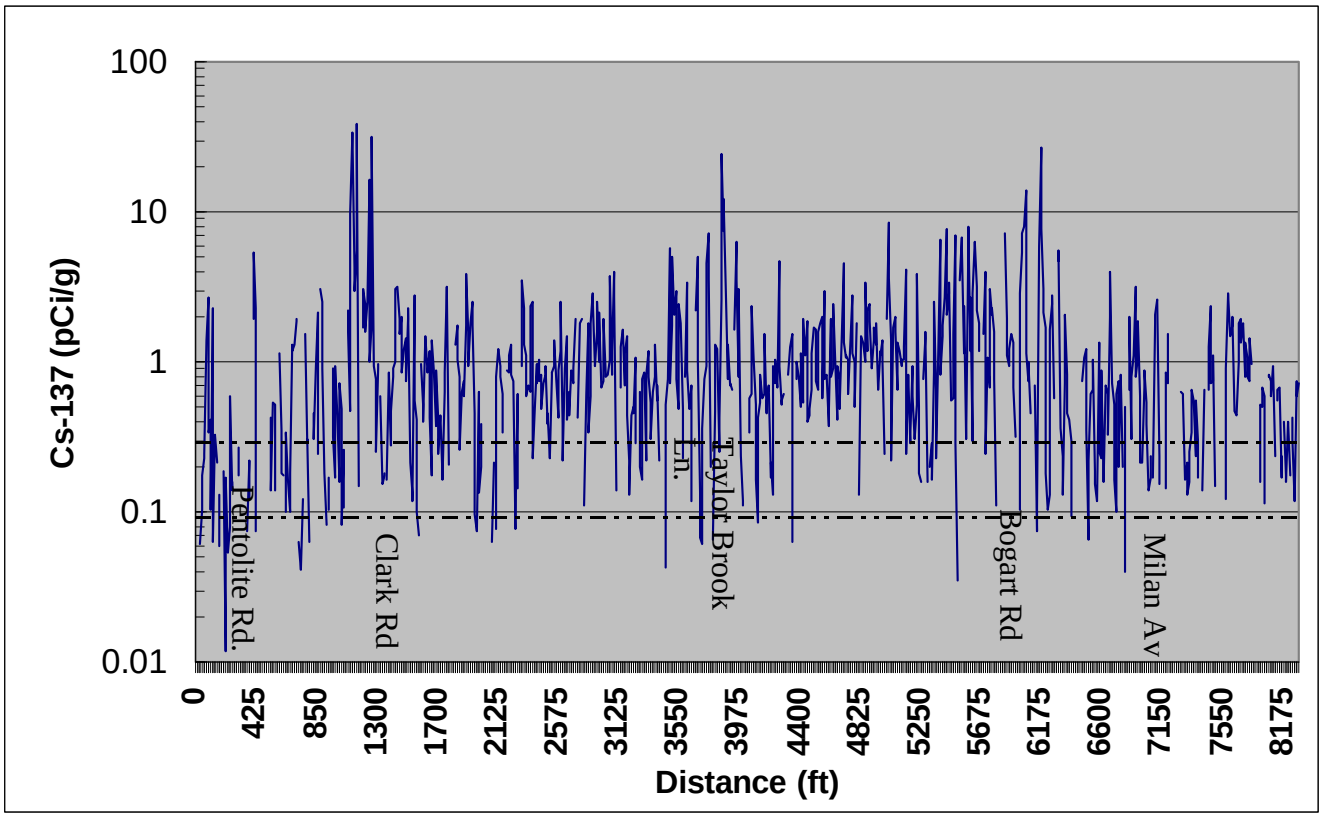
Figure 15, Maximum Cs-137 Concentration Trends in Stream Section 1



The high variability of cesium concentrations along the stream course in Section 1 is illustrated by large coefficients of variation (std. dev. ÷ average) obtained from Table 4 data (all coefficients of variation are ~ 1.0 or greater). This variability is illustrated in Figure 16, Cs-137 concentration in the stream bed vs. downstream distance (from Phase 1 survey results). The Figure also shows the average background concentration as a "± one sigma" band about the estimated

background mean concentration of 0.19 pCi/g. While 86% of the Cs-137 sample results were > MDA, 64% were > average background, 13% > 2 pCi/g and 1% > 10 pCi/g.

Figure 16, Section 1 Stream Bed Cs-137 Concentration vs. Distance



The shape of the statistical distribution of Cs-137 concentrations is briefly examined. Figure 17 shows the distribution of the log-transformed (natural logarithm) concentrations in Stream Section 1 (Phase 1 data). It does not appear that the concentrations are well represented by a log-normal distribution[9].

[9] Concentrations of contaminants in environmental media are often represented by log-normal distributions [Gilbert 1987].

Figure 17, Frequency Distribution of Cs-137 Concentrations in Section 1

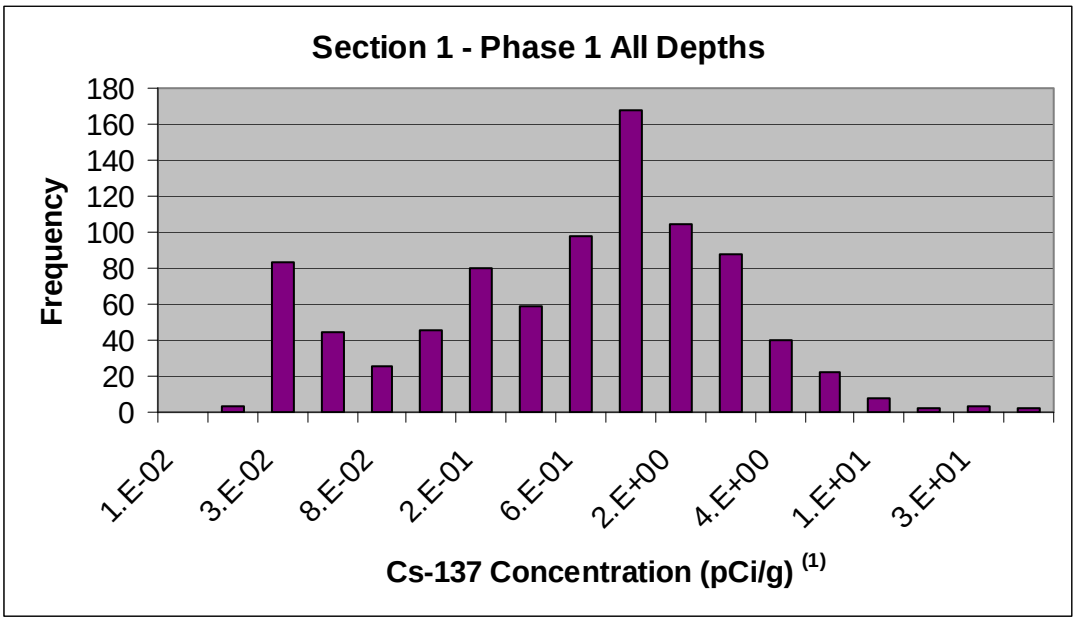


Figure 17 Note:
1. X axis labels show concentrations in pCi/g for ease of interpretation. Log-transformed concentrations were used to construct the histogram.

Concentration trends vs. depth in Stream Section 1 are examined. Tables 6 and 7 show Cs-137 and Co-60 concentration vs. depth. These are from Section 1, Phase 1 sample analysis results. Bounding values of average and maximum concentrations vs. depth are shown in Tables 8 and 9. The bounding values are from Section 1, Phase 3 sample results.

Table 6, Section 1 Cs-137 Concentration vs. Depth – Phase 1 Results

Depth (ft) (2)	No. of Samples	Cs-137 Concentration (pCi/g) (1)		
		Minimum	Maximum (3)	Average (4)
All	877	0.012	38.3 ± 1.3	1.20 ± 2.76
0 (0-6")	309	0.017	12.1 ± 0.63	0.98 ± 1.31
1 (6-15")	308	0.012	34.2 ± 1.16	1.42 ± 3.19
1.5 (15-24")	260	0.016	38.3 ± 1.3	1.2 ± 3.39

Table 6 Notes:
1. The Cs-137 values shown in the table are obtained from Stream Section Phase 1 sample results (SR-5, SR-6 SR-7, SR-8 & SR-19). The Cs-137 sample results include 0.5 x MDA where the Cs-137 concentration was reported as <MDA.
2. Cores were divided into depths: 0 to 6 in, 6 to 15 in and 15 to 24 in. for analysis.
3. Maximum sample activity concentration reported ± the laboratory analytical 2-sigma uncertainty (counting uncertainty plus method uncertainty).
4. Average ± one standard deviation.

Table 7, Section 1, Co-60 Concentration vs. Depth – Phase 1 Results

Depth (ft) (2)	No. of Samples (3)	Co-60 Concentration (pCi/g) (1)		
		Minimum	Maximum (4)	Average (5)
All	133	0.05	0.48 ± 0.14	0.13 ± 0.07
0 (0-6")	41	0.07	0.26 ± 0.07	0.11 ± 0.04
1 (6-15")	59	0.06	0.48 ± 0.14	0.14 ± 0.08
1.5 (15-24")	33	0.06	0.44 ± 0.88	0.14 ± 0.08

Table 7 Notes:

1. The Co-60 values shown in the table are obtained from Stream Section Phase 1 sample results (SR-5, SR-6 SR-7, SR-8 & SR-19 combined). The Co-60 sample results include only those values where the concentration was reported as >MDA.
2. Sample cores were divided into depths: 0 to 6 in, 6 to 15 in and 15 to 24 in. for analysis.
3. The number of samples at the various depths is a count of only those > MDA.
4. Maximum sample activity concentration reported ± the laboratory analytical 2-sigma uncertainty (counting uncertainty plus method uncertainty).
5. Average ± one standard deviation. Averages were calculated from the sample results > MDA.

Table 8, Stream Section 1 Bounding Cs-137 Concentration vs. Depth

Depth (in.) (2)	No. of Samples	Cs-137 Concentration (pCi/g) (1)		
		Minimum	Maximum (3)	Average (4)
All	358	0.18	72.4 ± 2.77	8.0 ± 9.8
0-6"	163	0.18	57.8 ± 2.26	1.0 ± 1.1
6-12"	88	0.41	72.4 ± 2.77	8.3 ± 10.8
12-18"	70	0.18	20.5 ± 1.10	4.9 ± 4.9
18-24”	27	0.24	14.0 ± 0.88	2.6 ± 2.9
24-30”	6	0.28	3.9 ± 0.40	1.7 ± 1.6

Table 8 Notes:

1. The Cs-137 values shown in the table are obtained from Stream Section Phase 3 sample results (SR-45, SR-46 SR-47, SR-48 & SR-49 combined).
2. Sample cores were divided into depths: 0 to 6 in, 6 to 12, 12 to 18, 18 to 24 and 24 to 30 in. for analysis.
3. Maximum sample activity concentration reported ± the laboratory analytical 2-sigma uncertainty (counting uncertainty plus method uncertainty).
4. Average ± one standard deviation.

Table 9, Stream Section 1 Bounding Co-60 Concentration vs. Depth

Depth (in.) (2)	No. of Samples (3)	Co-60 Concentration (pCi/g) (1)		
		Minimum	Maximum (4)	Average (5)
All	36	0.13	1.59 ± 0.21	0.4 ± 0.3
0-6"	22	0.13	1.59 ± 0.21	0.4 ± 0.3
6-12"	11	0.26	0.65 ± 0.14	0.4 ± 0.1
12-18"	3	0.22	0.29 ± 0.09	0.2 ± 0.04

Table 9 Notes:

1. The Co-60 values shown in the table are obtained from Stream Section Phase 3 sample results (SR-45, SR-46 SR-47, SR-48 & SR-49 combined). The Co-60 sample results include only those values where the concentration was reported as >MDA.
2. Sample cores were divided into depths: 0 to 6, 6 to 12, 12 to 18, 18 to 24 and 24 to 30 in. for analysis. No Co-60 was detected in depth samples below 12 to 18".
3. The number of samples at the various depths is a count of only those > MDA.
4. Maximum sample activity concentration reported ± the laboratory analytical 2-sigma uncertainty (counting uncertainty plus method uncertainty).
5. Average ± one standard deviation.

5.3 Lower Meander - Section 2

Portions of stream section designated as Section 2, extending from US Rt. 2 into the Plum Brook Country Club have been investigated. Samples were collected at the Galloway and Hull Rd over-crossings during the initial 2005 investigation. The stream and areas of Section 2 within the PBCC were surveyed and the South Pond was sampled under SR-33. Results from 16 samples from all depths at the three locations identified above are summarized:

- Co-60 – all < MDA
- Cs-137
  - average = 0.68 ± 0.69 (± one standard deviation)
  - minimum = 0.008
  - maximum = 2.76 ± 0.31 (± laboratory 2-sigma analytical error)

These samples were not selected on a random basis, but they do support the observation of a decreasing trend in Cs-137 (and Co-60) concentration as one proceeds downstream from Section 1. Use of Section 1 sample results for establishing source term activity concentrations for an exposure scenario set in Section 2 provides additional conservativism.

5.4 Upper Flood Plain – Section 3

The portion of the Plum Brook that extends from the northern one-third of the PBCC to US Rt. 6 is designated as Stream section 3. The stream course is estimated to be about 0.45 miles in length. The characterization packages are

summarized in Table 10. The results which follow are obtained from SR-41 and SR-54 (the sample data reports are provided in Appendix B).

Table 10, Section 3 – Upper Flood Plain Survey Packages

Survey Package No.	Description (1)	Stream Course Dist. (ft) (2)	Sampling Design Basis (3)	No. of Samples (4)	No of Locations Sampled
SR-41	North-central area of PBCC to US Rt 6	2430	Judgmental and scans	313	64
SR-54	Perkins Ave to US Rt. 6	1200	Random start triangular grid	212	42

Table 10 Notes:

1. Survey package SR-41 covers the entire stream section and SR-54 covers the southern portion. For the present evaluation, the results of the two packages are combined into a single data set.
2. Stream course distances are approximate. They are estimated using maps and overlaying a distance scale. The stream course has changed several times over the past 30 years; distance estimates may vary depending on the map that is used.
3. The design objective of SR-41 was to provide representative coverage of the stream section considering the physical nature of the flood plain in relation to the present stream course.
4. A total of 525 samples were collected from 106 locations. QC replicate sample results were removed from the evaluation; results from 485 samples are evaluated.

Sampling was conducted to evaluate the extent and depth of Cs-137 (and Co-60) in the Upper Flood Plain. As sediment deposits are not confined to the current stream bed, but extend up to several hundred feet in width, sampling was conducted along 22 transects normal (perpendicular) to the stream course. Transects varied in width from approximately 20 feet to 350 feet dictated by the terrain and other obstacles[10]. Cores were collected at each of 106 locations and sectioned for analysis to provide measurement of concentration vs. depth for 0 to 6 in., 6 to 18 in. (1 ft depth), 18 to 30 in. (2ft. depth) 30 to 42 in. (3 ft depth) and 42 to 54 in. (4 ft depth).

The samples were analyzed by gamma spectroscopy at the PBRF on-site laboratory. Concentrations of Cs-137 > MDA were measured in 159, or 33% of the 485 samples. The average MDA was 0.10 ± 0.05 (one standard deviation). Cobalt-60 was “detected” (measured > MDA) in only one of the 485 samples; 0.22 pCi/g, in a 0 to 6 in sample. The average MDA was 0.15 ± 0.04 pCi/g. Cobalt-60 is not considered “present” in the Plum Brook Flood Plain.

The Cs-137 Flood Plain sample results were sorted to evaluate concentration vs. depth trends. The results are summarized in Table 11. The highest concentrations

[10] Concentration vs. stream course distance in Section 3 cannot be readily evaluated beyond noting that a general trend of decreasing concentration with distance is observed. Positions of each core bore were recorded when the SR-41 and SR-54 samples were collected, but the GPS files were subsequently “compromised” and the position data could not be recovered.

(average and maximum) reside in the 0 to 6 in. layer and the concentration decreases monotonically with depth. This is illustrated in Figures 18 and 19 for the average and maximum concentrations, respectively.

Table 11, Section 3 – Flood Plain Cs-137 Concentration vs. Depth

Depth (ft) (2)	No. of Samples (3)	Cs-137 Concentration (pCi/g) (1)		
		Minimum	Maximum (4)	Average (5)
All	485	0.03	14.20 ± 0.89	0.54 ± 1.33
0 (0-6")	109	0.03	14.20 ± 0.89	1.61 ± 2.33
1 (6-18")	108	0.03	4.68 ± 0.51	0.55 ± 0.86
2 (18-30")	101	0.03	2.91 ± 0.35	0.14 ± 0.40
3 (30-42")	94	0.03	1.29 ± 0.25	0.07 ± 0.15
4 (42-54")	72	0.03	0.21 ± 0.94	0.05 ± 0.02

Table 11 Notes:

1. In computing these results, MDA values are included by assigning a value of 0.5 x MDA for each sample reported as < MDA.
2. Cores did not achieve full depth or complete sample recovery at all locations. As seen in column 2 of the table, recovery below 18 in. was not achieved on all samples.
3. The actual number of cores slightly exceeds the number of sample locations identified in SR-41 & SR-54 (106 locations). In several instances, cores were “re-pushed” near the original location after refusal or only partial depth sample recovery.
4. Maximum sample activity concentration reported ± the laboratory analytical 2-sigma uncertainty (counting uncertainty plus method uncertainty).
5. Average ± one standard deviation.

Figure 18, Stream Section 3 Average Cs-137 Concentration vs. Depth

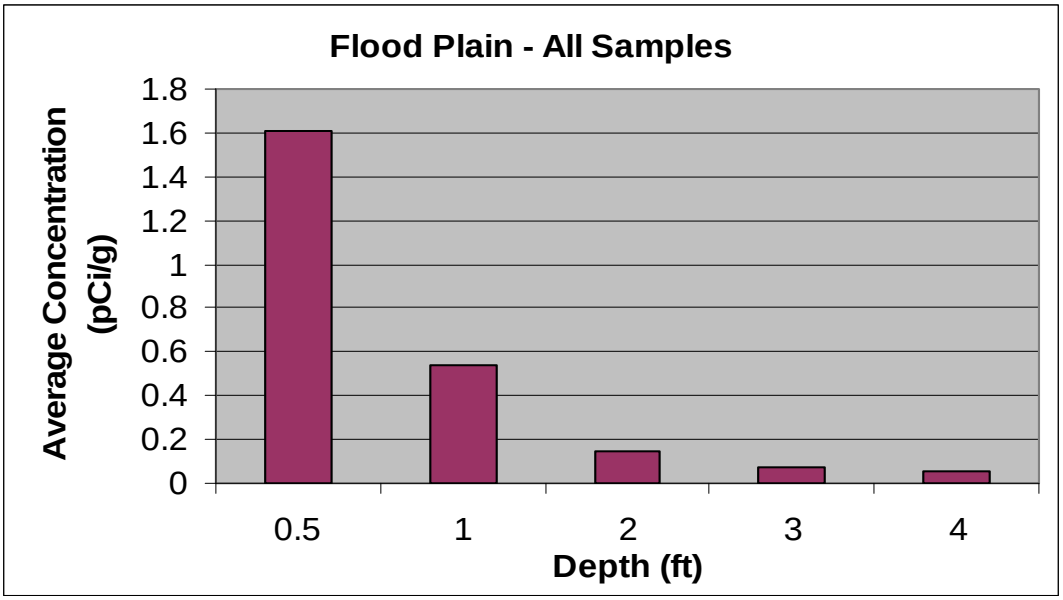
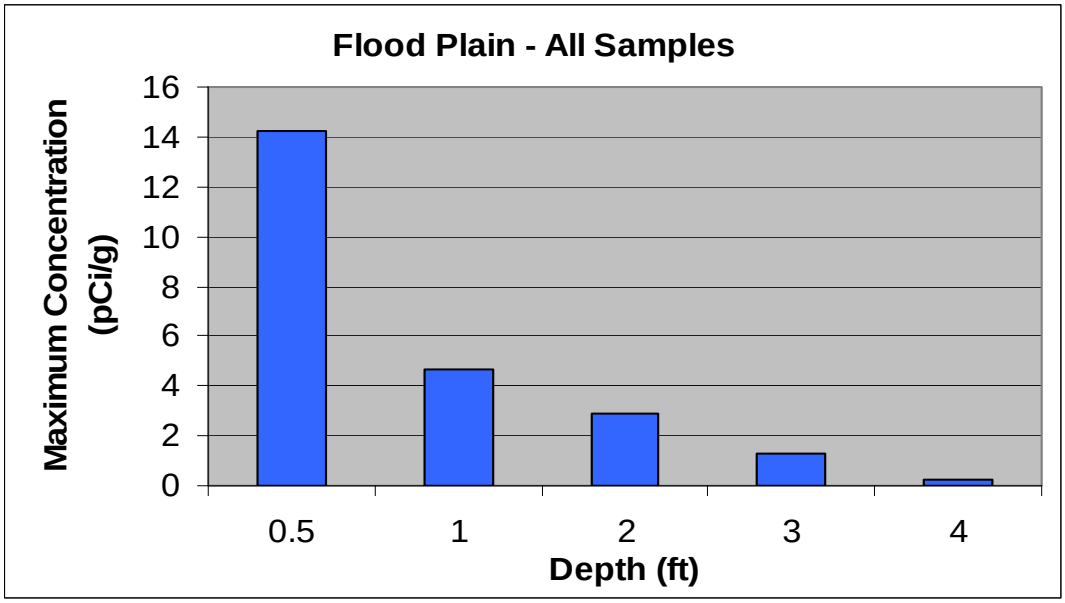


Figure 19, Stream Section 3 Maximum Cs-137 Concentration vs. Depth



5.5 Stream Mouth and Estuary – Section 4

The Plum Brook stream mouth-estuary, designated as Section 4, extends from US Rt. 6 to Sandusky Bay, a distance of approximately 0.65 mi. The characterization survey packages associated with this section are summarized in Table 12. The sample data reports for these SRs are provided in Appendix B.

Table 12, Stream Section 4 Survey Packages

Survey Package No.	Description	Stream Course Dist. (ft) (1)	Sampling Design Basis	No. of Samples (2)	No of Locations Sampled (2)
SR-39	US Rt 6 to Sandusky Bay	3380	Judgment-systematic	312	64
SR-44	Investigation of Selected Areas in SR 39	NA	biased - investigative	90	21
SR-53	Additional Investigation of Selected Areas in SR 39	NA	biased - investigative	219	36

Table 12 Notes:

1. The stream course distance is approximate. Estimates may vary using maps and overlaying a distance scale. There is no distinct boundary between the Estuary and the Bay.
2. A total of 621 samples were collected from 121 designated locations. QC replicate sample results were removed from the evaluation; results from 571 samples are evaluated.

Survey package SR-39 covers the entire estuary and was designed to provide representative samples for identification of the lateral extent and depth of PBRF radionuclide-bearing sediments. The results from SR-39 are used to provide estimates of average activity in estuary sediments. Survey packages SR-44 and 53 were developed to provide additional information from locations identified in SR-39 as showing "elevated" activity. The results of SR-39, SR-44 and SR-53 are combined to give bounding estimates of concentration vs. depth[11].

Tables 13 and 14 summarize the Cs-137 and Co-60 results from the three packages. The frequency of "detection" (Cs-137 > MDA) is 52% overall in the Plum Brook Estuary. This is considered a significant fraction and it justifies further analysis to describe the Cs-137 source term for dose assessment using an exposure scenario in the estuary setting. In contrast, Co-60 is detected in only 7 of 571 samples (~ 1%) at concentrations indistinguishable from the MDA distribution.

Table 13, Summary of Cs-137 Results for Estuary Characterization Packages

Survey Package No.	No. of Samples Analyzed	No. > MDA	Cs-137 Concentration (pCi/g)		
			Maximum (1)	Average (2,3)	MDA Average (2)
SR-39	292	123	20.6 ± 1.4	0.59 ± 1.63	0.13 ± 0.09
SR-44	80	60	15.7 ± 1.0	3.33 ± 3.64	0.16 ± 0.03
SR-53	199	111	16.8 ± 1.1	1.66 ± 2.91	0.13 ± 0.04

Table 13 Notes:
1. Maximum sample activity concentration reported ± the laboratory analytical 2-sigma uncertainty (counting uncertainty plus method uncertainty).
2. Average ± one standard deviation.
3. Average Cs-137 concentrations are calculated from all sample results including 0.5 x MDA where < MDA is reported.

Table 14, Summary of Co-60 Results for Estuary Characterization Packages

Survey Package No.	No. of Samples Analyzed	No. > MDA	Co-60 Concentration (pCi/g)		
			Maximum (1)	Average (2,3)	MDA Average (2)
SR-39	292	3	0.26 ± 0.09	0.20 ± 0.08	0.14 ± 0.09
SR-44	80	4	0.28 ± 0.14	0.25 ± 0.03	0.18 ± 0.05
SR-53	199	0	NA	NA	0.17 ± 0.04

Table 14 Notes:
1. Maximum sample activity concentration reported ± the laboratory analytical 2-sigma uncertainty (counting uncertainty plus method uncertainty).
2. Average ± one standard deviation.
3. Average Co-60 concentrations are calculated from sample results reported as >MDA.

[11] Concentration vs. stream course distance in Section 4 cannot be readily evaluated. Positions of each core bore were recorded when the SR-39, SR44 and SR-53 samples were collected, but the GPS files were subsequently "compromised" and the position data could not be recovered.

The SR-39 sample results are used to construct a table of estimated average (and maximum) Cs-137 concentrations vs. depth for the Estuary. They are shown in Table 15. Figure 20 shows a plot of average concentration vs. depth.

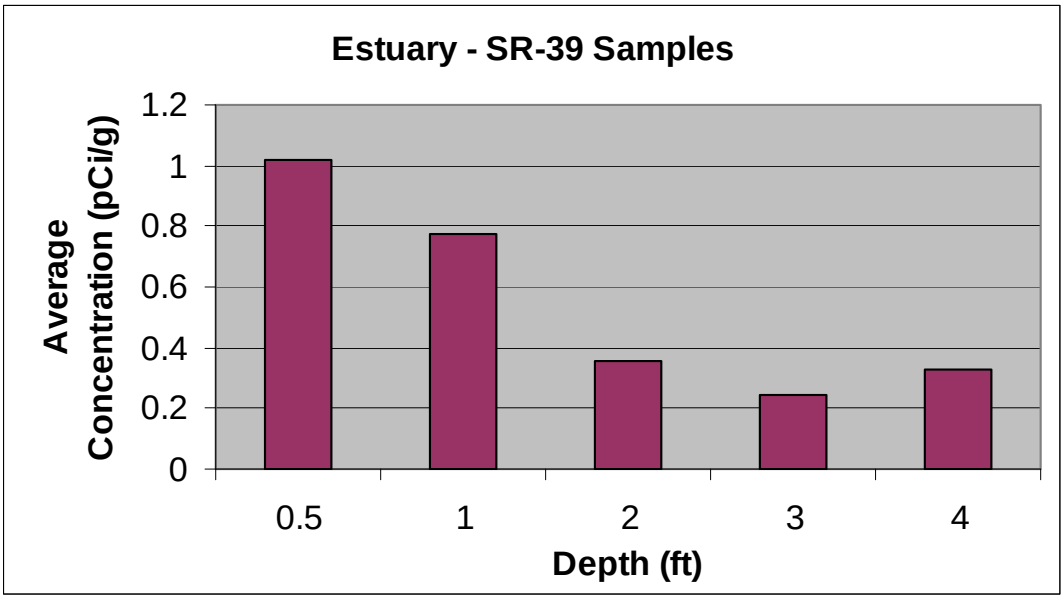
Table 15, Estimates of Cs-137 Concentration vs. Depth for Plum Brook Estuary

Depth (ft.)	No. of Samples	Cs-137 Concentration (pCi/g) (1)		
		Minimum	Maximum (2)	Average (3)
All	292	0.02	20.60 ± 1.40	0.59 ± 1.63
0 (0-6")	64	0.06	20.60 ± 1.40	1.02 ± 2.56
1 (6-18")	64	0.02	11.70 ± 0.64	0.78 ± 1.69
2 (18-30")	64	0.02	4.11 ± 0.34	0.35 ± 0.83
3 (30-42")	54	0.02	3.05 ± 0.29	0.24 ± 0.64
4 (42-54")	43	0.02	5.72 ± 0.43	0.33 ± 0.99

Table 15 Notes.

1. Data from Package SR 39 – assumed to provide unbiased estimates of concentrations.
2. Maximum sample activity concentration reported ± the laboratory analytical 2-sigma uncertainty (counting uncertainty plus method uncertainty).
3. Average ± one standard deviation.

Figure 20, Stream Section 4 Cs-137 Average Concentration vs. Depth



Characterization package SR-39, SR-44 and SR-53 sample results are combined to obtain bounding estimates of Cs-137 concentration vs. depth in Estuary sediments. The data are summarized in Table 16. A plot of maximum concentration vs. depth is shown in Figure 21.

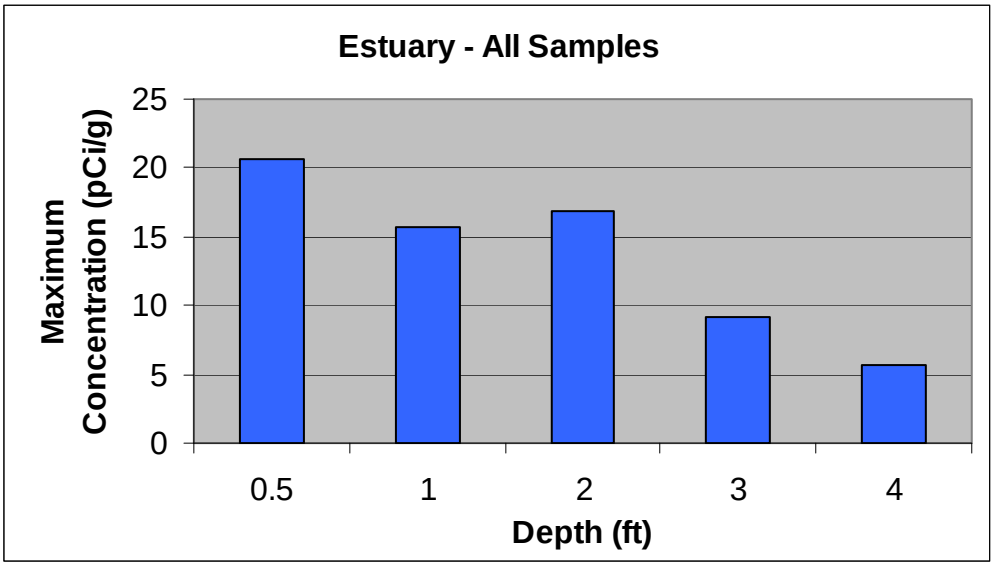
Table 16, Bounding Estimates of Section 4 Cs-137 Concentration vs. Depth

Depth (ft.)	No. of Samples	Cs-137 Concentration (pCi/g) (1)		
		Minimum	Maximum (2)	Average (3)
All	571	0.02	20.60 ± 1.4	1.35 ± 2.65
0 (0-6")	122	0.06	20.60 ± 1.4	2.17 ± 3.38
1 (6-18")	122	0.02	15.70 ± 1.0	2.17 ± 3.18
2 (18-30")	120	0.02	16.80 ± 1.10	1.20 ± 2.61
3 (30-42")	110	0.02	9.18 ± 0.78	0.46 ± 1.14
4 (42-54")	94	0.02	5.72 ± 0.43	0.41 ± 0.89

Table 16 Notes.

1. Results from Survey Packages SR 39, 44 and 53 combined.
2. Maximum sample activity concentration reported ± the laboratory analytical 2-sigma uncertainty (counting uncertainty plus method uncertainty).
3. Average ± one standard deviation.

Figure 21, Section 4 Maximum Cs-137 Concentration vs. Depth

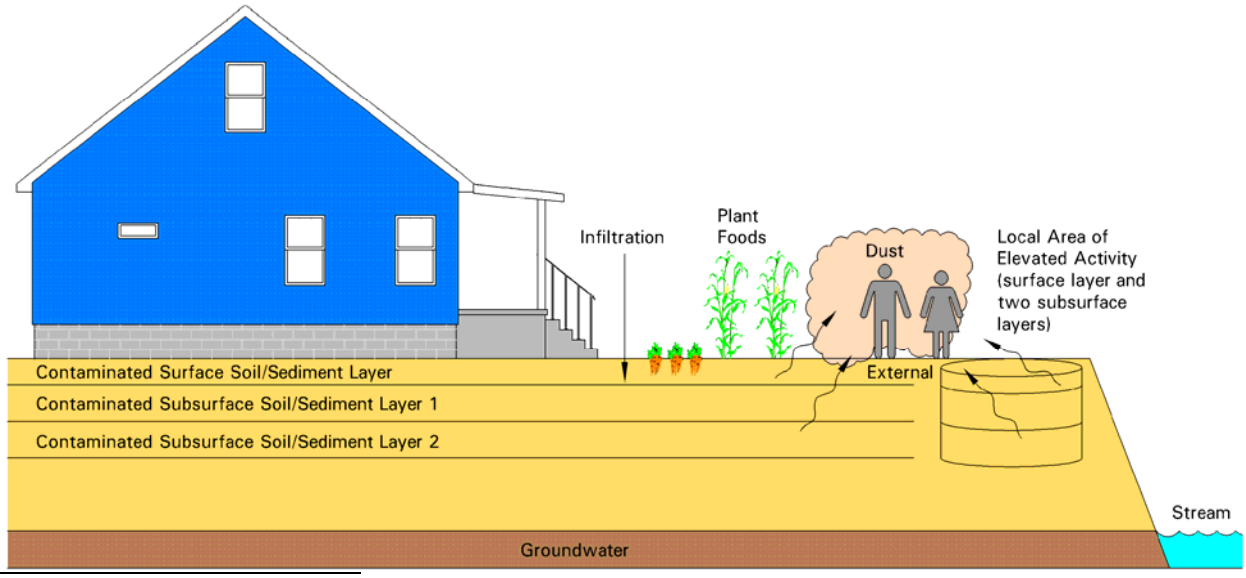


6.0 Source Term Conceptual Model

Four principal exposure scenarios were developed in the initial dose assessment for Plum Brook sediments, [NASA 20008a]. Each of the scenarios is set in one of the major stream sections. Exposure pathways and dose receptors were established unique to each scenario based on land use and demographic information. Simplified source terms were used to estimate doses to the average member of the critical group for each scenario. A single layer of contaminated soil or sediment with uniform concentration was used in the initial dose assessment. However, it is seen from the foregoing discussion that Cs-137 and Co-60 from PBRF operations are non-uniformly distributed (in both horizontal and vertical dimensions) in the Plum Brook and near environs.

The information presented in Section 5, suggests the use of more detailed source term models than used in the initial dose assessment. Source term models are described that are more representative of Plum Brook sediment characteristics and still within RESRAD dose modeling capabilities. In scenarios where contaminated sediment was removed from the Plum Brook and used as fill in a garden or for landscaping, a single surface layer of uniformly contaminated soil-sediment is appropriate. In scenarios where the source term represents areas where contaminated sediments were deposited and not subsequently disturbed, more complex source term models are suggested. The revised conceptual source term model provides for a surface layer of uniform concentration, which may be underlain by subsurface layers of different concentration. Small areas of elevated activity are modeled as a stack of small layers or "disks" of uniform activity concentration[12]. The source term model for a generic Plum Brook exposure scenario is shown in Figure 22.

Figure 22, Source Term Model for Generic Exposure Scenario



[12] The size of the elevated area source term is estimated from review of SR reports for investigational and bounding surveys. From this review it is estimated that the "typical" elevated area in stream Sections 1 and 2 can be modeled as a cylinder of one meter radius and the typical elevated area in Sections 3 and 4 modeled as a cylinder of 3 meter radius.

7.0 Conclusions

Cesium-137 and Co-60 are measured in the Plum Brook from the confluence with Pentolite Ditch to Sandusky Bay. The physical distribution of contaminated sediments is highly non-uniform along the stream course. Distribution of Cs-137 and Co-60 within contaminated sediments is also non-uniform. Trends observed for Cs-137 and Co-60 in sediments are summarized:

- Cs-137 frequency of detection in all samples (measured concentration above MDA) decreases from 0.90 in Stream Section 1 to 0.34 in the Estuary.
- The average concentration of Cs-137 decreases from 1.2 ± 2.8 pCi/g in Stream Section 1 to 0.59 ± 1.63 pCi/g in the Estuary.
- The maximum concentration of Cs-137 decreases from 72.4 pCi/g in Stream Section 1 to 20.6 pCi/g in the Estuary.
- Cs-137 concentrations (average and maximum) decrease with depth in all sections except Section 1, where the highest values are measured in the 6 in. thick layer immediately beneath the surface layer (0 to 6in.).

- Co-60 frequency of detection in all samples decreases from 0.18 in Stream Section 1 to 0.01 in the Flood Plain and Estuary.
- The average concentration of Co-60 measured in Section 1 is 0.13 ± 0.07 pCi/g and 0.23 ± 0.11 pCi/g in the Estuary.
- The maximum concentration of Co-60 decreases from 1.0 pCi/g in Stream Section 1 to 0.3 pCi/g in the Estuary.
- Average Co-60 concentrations show a slight increase with depth in Stream Section 1. No depth trends can be inferred for the other stream sections due to the very small frequency of detection.

Activity concentration distributions in all stream sections are highly right-skewed, but do not appear to be well represented by log-normal distributions[13]. Regardless, average concentrations are used for source terms. The source term models and Cs-137 and Co-60 concentrations for each scenario are described in Tables 17 and 18. The principal contaminated zone source is modeled as a single-layer slab for the Brookside Gardner and PBCC Worker scenarios. For the Brookside Resident and Recreationist scenarios, the contaminated zone is modeled as a multi-layer source consisting of a contaminated surface layer and two subsurface layers. The source area is determined for each scenario individually[14]. Thickness of the layers is determined by sediment core sample depths used in the various stream sections. The elevated area source is modeled as a cylinder comprised of a surface layer and two subsurface layers. Thickness of the elevated area source layers is also determined by the core sampling technique. All the layers are

[13] To illustrate the right-skewness, the distribution of Cs-137 concentrations in 2716 samples from Sections 1, 3 and 4 is summarized. Less than 40% (39.4%) were > 1 pCi/g; 27% were > 2 pCi/g; 4.9% were > 10 pCi/g and 0.2% were > 50 pCi/g (6 samples).

[14] Source areas established for the exposure scenarios are: Suburban Gardner and Brookside Resident (186 m^2), PBCC Maintenance Worker (600 m^2) and Recreationist (1500 m^2) [NASA 2009].

assumed to be of uniform composition and with uniform radionuclide concentration. Principal source term model component concentrations are listed in the tables as average concentrations (average ± one standard deviation).

It is noted that while the setting for the Brookside Resident Scenario is within Stream Section 2, source term concentrations are obtained from Section 1 results. As discussed in § 5.3, only limited characterization was performed of Section 2 sediments. The use of Section 1 sediment sample results to develop the source term for the Brookside Resident scenario is considered to be conservative.

The setting for the Country Club Maintenance Worker Scenario is located in the northern portion of the PBCC Golf Course adjacent to the Northern Ponds. This is considered to be within the Plum Brook Flood Plain hydrologic regime and results from Stream Section 3 sediment samples are used to describe the source term.

Table 17, Cs-137 Source Term Models for Scenarios (pCi/g)

Scenario		Suburban Gardner (1)	Brook-side Resident (2)	Country Club Maintenance worker (3)	Recreationist (4)
Stream Section		1	2	3	4
Single layer avg. conc.		1.2 ± 2.8	NA	1.38 ± 1.84	NA
Avg. conc. vs. depth for principal source	0 to 6 in.	NA	0.98 ± 1.31	NA	1.02 ± 2.56
	layer 2	NA	1.42 ± 3.19	NA	0.78 ± 1.69
	layer 3	NA	1.2 ± 3.39	NA	0.35 ± 0.83
Conc. vs. depth for small elevated areas.	0 to 6 in.	57.8 ± 2.26	57.8 ± 2.26	14.2 ± 0.89	20.6 ± 1.4
	layer 2	72.4 ± 2.77	72.4 ± 2.77	4.68 ± 0.51	15.7 ± 1.0
	layer 3	20.5 ± 1.10	20.5 ± 1.10	2.91 ± 0.35	16.8 ± 1.1

Table 17 Notes.

1. Soil removed from stream and used as fill in garden. The contaminated zone source term is modeled as a three-inch thick layer of soil with average concentration of Stream Section 1 sediment. Data from Table 4. The Suburban Gardner is also assumed to be exposed to a localized area of elevated activity. It is modeled as a three layer cylindrical source (one meter radius). The three layers are each 6 in. thick. Each layer is uniformly contaminated with the maximum observed concentration vs. depth in Stream Section 1. Data from Table 8.
2. The Brookside Resident is assumed to be exposed to a backwater deposit modeled as three layers of contaminated sediment. The surface layer is six in. thick and layers 2 and 3 are 9 in. thick. The layer concentrations are the estimated average depth concentrations from Stream Section 1. Data from Table 6. The Brookside Resident is assumed to also be exposed to a localized area of elevated activity comprised of three layers of one meter radius. Each layer is six inches thick. Each layer is uniformly contaminated with the maximum observed concentration vs. depth in Stream Section 1. Data from Table 8.
3. The PBCC Maintenance worker is assumed to be exposed to a layer of fill three in. thick placed along a golf cart path. The fill concentration is the average concentration measured in samples collected from the PBCC Ponds and spoil piles. Data from SR-33 Package Sample Data Report. (Appendix B). The PBCC Maintenance Worker is also assumed to be exposed to a localized area of elevated activity comprised of three layers; modeled as a disk of 3 meter radius (layer 1 = 6 in., layers 2 and 3 = 12 in. thick). Each layer is uniformly contaminated with the maximum observed concentration vs. depth in the adjacent Flood Plain, Stream Section 3. Data from Table 11.
4. The Recreationist is assumed to be exposed to sediment modeled as a three-layer source comprised of average concentrations measured in the Plum Brook Estuary (Stream Section 4). The surface layer is six in. thick and layers 2 and 3 are each 12 in. thick. Data from Table 15. The Recreationist is also assumed to be exposed to a localized area of elevated concentration. It is modeled as a three layer source of 3 meter radius with the layer thicknesses the same as the principal source. Concentrations of each layer are assumed to be the maximum concentrations measured in Estuary sediments vs. depth. Data from Tables 15, 16.

Table 18, Co-60 Source Term Conceptual Model (pCi/g)

Scenario		Suburban Gardner (1)	Brook-side Resident (2)	Country Club Maintenance worker (3)	Recreationist (4)
Stream Section		1	2	3	4
Single layer avg. conc.		0.13 ± 0.07	NA	0.25 ± 0.07	0.23 ± 0.08
Avg. conc. vs. depth for principal source	0 to 6 in.	NA	0.11 ± 0.04	NA	NA
	layer 2	NA	0.14 ± 0.08	NA	NA
	layer 3	NA	0.14 ± 0.08	NA	NA
Conc. vs. depth for small elevated areas.	0 to 6 in.	1.59 ± 0.21	1.59 ± 0.21	NA	NA
	layer 2	0.65 ± 0.14	0.65 ± 0.14	NA	NA
	layer 3	0.29 ± 0.09	0.29 ± 0.09	NA	NA

Table 18 Notes.

1. Soil removed from stream and used as fill in garden. The source term is modeled as a three-inch thick layer of soil with average concentration of Stream Section 1 sediment. Data from Table 7. The Suburban Gardner is also assumed to be exposed to a localized area of elevated activity. It is modeled as a three layer cylindrical source with one meter radius. The three layers are each 6 in. thick. Each layer is uniformly contaminated with the maximum observed concentration vs. depth in Stream Section 1. Data from Table 9.
2. The Brookside Resident is assumed to be exposed to a backwater deposit modeled as three layers of contaminated sediment. The surface layer is six in. thick and layers 2 and 3 are 9 in. thick. The layer concentrations are the estimated average depth concentrations from Stream Section 1. Data from Table 7. The Brookside Resident is also assumed to be exposed to a localized area of elevated activity comprised of three layers of one meter radius. Each layer is six inches thick. Each layer is uniformly contaminated with the maximum observed concentration vs. depth in Stream Section 1. Data from Table 9.
3. The PBCC Maintenance worker is assumed to be exposed to a layer of fill three in. thick placed along a golf cart path. The fill concentration is the average concentration measured in samples collected from the PBCC Ponds and spoil piles. Data from SR-33 Package Sample Data Report. (Appendix B). The PBCC Maintenance Worker is not assumed to be exposed to a localized area of Co-60 elevated activity. As discussed in § 5.3, Co-60 is not considered to be present in the Flood Plain.
4. The Recreationist is assumed to be exposed only to a single layer surface sediment source 6 in thick. The average Co-60 concentration is estimated to be the average concentration measured in the seven estuary samples reporting detectable concentrations (of 571 samples collected). Data from Table 14.

8.0 Appendices

Appendix A – Index of Characterization Survey Packages

Appendix B – Survey Package Sample Data Reports

Appendix A

Index of Characterization Survey Packages

The data source for development of Cs-137 and Co-60 distribution profiles in Plum Brook sediments comprises soil and sediment sample analysis results compiled in 26 survey packages. The survey packages developed for Plum Brook characterization are identified and indexed in the table below. The table lists them by the assigned ID Number in ascending order, gives the location of the area under investigation, the sampling design basis, the number of samples collected, the number of locations sampled, type of samples (sample matrix) and the stream section. The Plum Brook between the PBRF and Sandusky Bay is divided into sections for development of exposure scenarios for Plum Brook dose assessments. Section 1 designates the stream from the Plum Brook Station northern boundary to US Rt. 2; Section 2 lies between US Rt. 2 and the mid-portion of the Plum Brook Country Club (PBCC); Section 3 includes the upper flood plain extending from the PBCC to US Rt. 6 and Section 4, the stream-mouth floodplain estuary, extends from US Rt. 6 to Sandusky Bay.

ID No. & Description	Stream Course Location	Sampling Design Basis	No. of Samples	No of Locations Sampled	Type of Samples	Stream Section
SVI-04	PBRF to Sandusky Bay	Judgment	85	15	Surface sediment	1, 2, 3, 4
SR-5 (Sect A Ph 1)	Pentolite Rd to Clark Rd	random (syst)	180	57	surface and subsurface sediment/soil	1
SR-6 (Sect B Ph 1)	Clark Rd to Taylorbrook Ln.,	random (syst)	271	92	surface and subsurface sediment/soil	1
SR-7 (Sect C Ph 1)	Taylorbrook Ln. to Bogart Rd.	random (syst)	279	91	surface and subsurface sediment/soil	1
SR-8 (Sect D Ph 1)	Bogart Rd. to Rt. 250	random (syst)	91	29	surface and subsurface sediment/soil	1
SR-9 (Sect A Ph 2)	Pentolite Rd to Clark Rd	from banks w. elevated scans	140	40	surface and subsurface sediment/soil	1
SR-10 (Sect B Ph 2)	Clark Rd to Taylorbrook Ln.,	from banks w. elevated scans	42	14	surface and subsurface sediment/soil	1
SR-11 (Sect C Ph 2)	Taylorbrook Ln. to Bogart Rd.	from banks w. elevated scans	151	48	surface and subsurface sediment/soil	1

Index of Characterization Survey Packages

ID No. & Description	Stream Course Location	Sampling Design Basis	No. of Samples	No of Locations Sampled	Type of Samples	Stream Section
SR-12 (Sect D Ph 2)	Bogart Rd. to Rt. 250	from banks w. elevated scans	68	21	surface and subsurface sediment/soil	1
SR-19 (Sect E Ph 1)	Rt. 250 to Rt. 2	Random (syst)	142	45	surface and subsurface sediment/soil	1
SR-20 (Sect E Ph 2)	Rt. 250 to Rt. 2	from banks w. elevated scans	64	20	surface and subsurface sediment/soil	1
SR-21	Former WWT facility property on Taylor Rd	random start - triangular grid	17	16	surface soil	1
SR-22	Residential yards adjacent to Plum Brook	judgment and biased using scan results	11	10	surface soil	1
SR-33	PBCC Ponds	judgment-investigative	41	11	surface and subsurface sediment/soil	3
SR 34	Sandusky Bay	systematic	142	44	surface and subsurface sediment/soil	4
SR-39*	US Rt. 6 to Sandusky Bay	judgment-systematic	312	64	surface and subsurface sediment/soil	4
SR-41	Center of PBCC to US Rt. 6	judgment and scans	313	64	surface and subsurface sediment/soil	3
SR-44	Investigation of Selected Areas in SR 39	biased - investigative	90	21	surface and subsurface sediment/soil	4
SR-45 (Sect A Bounding)	Pentolite Rd to Clark Rd	investigate and bound elev. areas	184	72	surface and subsurface sediment/soil	1
SR-46 (Sect B Bounding)	Clark Rd to Taylorbrook Ln.,	investigate and bound elev. areas	31	14	surface and subsurface sediment/soil	1
SR-47 (Sect C Bounding)	Taylorbrook Ln. to Bogart Rd.	investigate and bound elev. areas	57	46	surface and subsurface sediment/soil	1

ID No. & Description	Stream Course Location	Sampling Design Basis	No. of Samples	No of Locations Sampled	Type of Samples	Stream Section
SR-48 (Sect D Bounding)	Bogart Rd. to Rt. 250	investigate and bound elev. areas	45	13	surface and subsurface sediment/soil	1
SR-49 (Sect E Bounding)	Rt. 250 to Rt. 2	investigate and bound elev. areas	65	19	surface and subsurface sediment/soil	1
SR-53	Additional Investigation of Selected Areas in SR 39	biased - investigative	219	36	surface and subsurface sediment/soil	4
SR-54	Perkins Ave to US Rt. 6	random start triangular grid	212	42	surface and subsurface sediment/soil	3
SR-95	Former WWT facility property on Taylor Rd	biased to cover former plant tank locations	20	70	surface and subsurface soil	1

Appendix B

Survey Package Sample Data Reports

Table of Contents

ID No.	Package Title - Description	Page	No. of Pages
SVI-04	Plum Brook Creek Bed PBRF to Sandusky Bay	2	4
SR-5	Plum Brook Stream Bed from Pentolite Rd to Clark Rd (Section A Phase 1)	6	5
SR-6	Plum Brook Stream Bed from Clark Rd to Taylorbrook Lane. (Section B Phase 1)	11	7
SR- 7	Plum Brook Stream Bed from Taylorbrook Lane to Bogart Rd. (Section C Phase 1)	18	7
SR-8	Plum Brook Stream Bed from Bogart Rd. to Rt. 250 (Section D Phase 1)	25	3
SR- 9	Plum Brook Stream Bed from Pentolite Rd to Clark Rd (Section A Phase 2)	28	4
SR-10	Plum Brook Stream Bed from Clark Rd to Taylorbrook Lane (Section B Phase 2)	32	2
SR-11	Plum Brook Stream Bed from Taylorbrook Lane to Bogart Rd. (Section C Phase 2)	34	4
SR-12	Plum Brook Stream Bed from Bogart Rd. to Rt. 250 (Section D Phase 2)	38	3
SR-19	Plum Brook Stream Bed from Rt. 250 to Rt. 2 (Section E Phase 1)	41	4
SR-20	Plum Brook Stream Bed from Rt. 250 to Rt. 2 (Section E Phase 2)	45	2
SR-21	Waste Treatment Facility Property on Taylor Road	47	1
SR-22	Residential Yards Adjacent to Plum Brook	48	1
SR-33	Plum Brook Stream Bed – Misc Ponds and excavated piles of stream bed material on the Plum Brook Country Club golf course	49	2
SR 34	Plum Brook Stream Bed - Sandusky Bay	51	4
SR-39	Plum Brook Stream Bed Mouth of Plum Brook at Sandusky Bay (US Rt. 6 to Sandusky Bay)	55	8
SR-41	Plum Brook Floodplain Wetlands between Route 6 and the Plum Brook Country Club	63	8
SR-44	Plum Brook Stream Bed Investigational Sampling (Investigation of Selected Areas in SR 39)	71	4
SR-45	Plum Brook Stream Bed, Section A – Investigational Sampling (Pentolite Rd to Clark Rd)	75	7
SR-46	Plum Brook Stream Bed Section B Investigational Sampling (Clark Rd to Taylorbrook Lane)	81	1
SR-47	Plum Brook Stream Bed Section C Investigational Sampling (Taylorbrook Ln. to Bogart Rd.)	82	2
SR- 48	Plum Brook Stream Bed Section D Investigational (Bogart Rd. to Rt. 250)	84	2
SR-49	Plum Brook Stream Bed Section E Investigational Sampling (Rt. 250 to Rt. 2)	86	2
SR-53	Plum Brook Stream Bed – Mouth of Plum Brook at Sandusky Bay (Additional Investigation of Selected Areas in SR 39)	88	6
SR-54	Plum Brook Stream Bed – Plum Brook Flood Plain (Additional Investigation Perkins Ave to US Rt. 6)	94	6
SR-95	Waste Water Treatment Plant Taylor Road (Geoprobe Sampling of Subsurface Soil)	100	2

SVI-04 , Plum Brook Creek Bed PBRF to Sandusky Bay

Sample Location #	Sample Point	Location	Weight (g)	Cs-137 (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 2σ (pCi/g)
SVI-04-1	SP-2	Pentolite 0-6"	404.4	1.28E+00	1.44E-01	1.00E-01	3.03E-02
SVI-04-3	SP-2	Pentolite13"-18"	456.4	3.95E-01	9.33E-02	<0.029	N/A
SVI-04-2	SP-2	Pentolite 7"-12"	456.4	1.15E+00	1.22E-01	9.35E-02	3.65E-02
SVI-04-4	SP-2	Pentolite 0-6"	406.5	4.09E+00	2.89E-01	1.40E-01	4.53E-02
SVI-04-6	SP-2	Pentolite13"-18"	401.6	5.12E+00	3.17E-01	<0.098	N/A
SVI-04-5	SP-2	Pentolite 7"-12"	413.9	3.74E+00	2.58E-01	2.08E-01	4.25E-02
SVI-04-7	SP-3	Columbus 0-6"	376.0	3.50E+00	2.58E-01	<0.036	N/A
SVI-04-9	SP-3	Columbus13"-18"	411.1	7.70E+00	4.15E-01	2.10E-01	4.76E-02
SVI-04-8	SP-3	Columbus 7"-12"	409.1	7.27E+00	3.99E-01	2.20E-01	6.32E-02
SVI-04-10	SP-3	Columbus 0-6"	403.9	5.23E+00	3.32E-01	1.09E-01	4.46E-02
SVI-04-12	SP-3	Columbus13"-18"	419.8	2.90E+00	3.62E-01	1.66E-01	7.83E-02
SVI-04-11	SP-3	Columbus 7"-12"	384.7	1.03E+00	5.31E-01	<0.035	N/A
SVI-04-28	SP-4	Clark 0-6"	421.6	1.53E+00	1.50E-01	6.95E-02	3.48E-02
SVI-04-30	SP-4	Clark 13"-18"	475.2	1.52E+00	1.40E-01	<0.042	N/A
SVI-04-29	SP-4	Clark 7"-12"	397.9	1.86E+00	1.73E-01	8.29E-02	3.92E-02
SVI-04-23	SP-4	Clark 0-6"	447.7	1.82E+00	1.70E-01	<0.044	N/A
SVI-04-25	SP-4	Clark 13"-18"	446.6	1.34E+00	1.43E-01	<0.030	N/A
SVI-04-24	SP-4	Clark 7"-12"	416.1	1.35E+00	1.46E-01	<0.049	N/A
SVI-04-26	SP-5	Taylorbrook 0-6"	248.1	1.13E+01	6.22E-01	<0.054	N/A
SVI-04-22	SP-5	Taylorbrook13"-18"	340.3	2.74E+01	1.15E+00	<0.040	N/A
SVI-04-27	SP-5	Taylorbrook 7"-12"	306.8	3.59E+00	2.75E-01	<0.081	N/A
SVI-04-19	SP-5	Taylorbrook 0-6"	365.9	3.43E+01	1.39E+00	<0.060	N/A
SVI-04-21	SP-5	Taylorbrook 13"-18"	332.5	1.81E+01	8.25E-01	2.50E-01	6.27E-02
SVI-04-20	SP-5	Taylorbrook 7"-12"	329.1	1.99E+01	8.93E-01	3.21E-01	5.95E-02
SVI-04-31	SP-5	Taylorbrook 0-6"QC	234.5	1.36E+01	6.28E-01	3.16E-01	6.01E-02
SVI-04-15	SP-6	Bogart 0-6"	428.3	3.33E+00	2.52E-01	1.82E-01	4.04E-02
SVI-04-16	SP-6	Bogart 13"-18"	403.8	7.97E-01	1.26E-01	<0.042	N/A
SVI-04-17	SP-6	Bogart 7"-12"	354.9	9.45E+00	4.98E-01	<0.067	N/A
SVI-04-18	SP-6	Bogart 0-6"	356.5	4.75E+00	3.20E-01	1.41E-01	4.15E-02
SVI-04-14	SP-6	Bogart 13"-18"	340.0	5.38E+00	3.31E-01	1.32E-01	3.84E-02
SVI-04-13	SP-6	Bogart 7"-12"	388.1	3.83E+01	1.63E+00	4.53E-01	9.13E-02

SVI-04 , Plum Brook Creek Bed PBRF to Sandusky Bay

Sample Location #	Sample Point	Location	Weight (g)	Cs-137 (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 2σ (pCi/g)
SVI-04-32	SP-6	Bogart 0-6"QC	319.3	9.13E+00	5.12E-01	1.74E-01	8.30E-02
SVI-04-33	SP-11	Taylor 0-6"	341.5	8.97E-02	5.12E-01	1.03E-01	3.04E-02
SVI-04-34	SP-11	Taylor 7"-12"	326.2	<0.0529	N/A	1.03E-01	3.04E-02
SVI-04-35	SP-11	Taylor 0-6"	322.0	7.66E-02	4.19E-02	<0.023	N/A
SVI-04-36	SP-11	Taylor 7"-12"	334.8	1.28E-01	5.01E-02	<0.025	N/A
SVI-04-37	SP-12	Fox 0-6"	225.8	1.36E-01	9.17E-02	<0.040	N/A
SVI-04-38	SP-12	Fox7"-12"	266.5	2.16E-01	9.39E-02	<0.028	N/A
SVI-04-39	SP-12	Fox 13"-18"	263.4	1.68E-01	5.31E-02	1.43E-01	5.45E-02
SVI-04-40	SP-12	Fox 0-6"	308.1	6.50E-02	4.37E-02	<0.032	N/A
SVI-04-41	SP-12	Fox 7"-12"	345.6	<0.0618	N/A	<0.045	N/A
SVI-04-42	SP-13	Magazine 0-6"	257.6	2.06E-01	8.58E-02	7.78E-02	4.35E-02
SVI-04-43	SP-13	Magazine 7"-12"	273.4	2.39E-01	8.32E-02	<0.069	N/A
SVI-04-44	SP-13	Magazine 13"-18"	249.6	2.07E-01	7.76E-02	<0.053	N/A
SVI-04-45	SP-13	Magazine 0-6"	222.6	2.44E-01	7.61E-02	<0.056	N/A
SVI-04-46	SP-13	Magazine 7"-12"	289.7	2.67E-01	7.51E-02	1.28E-01	4.80E-02
SVI-04-47	SP-13	Magazine13"-18"	305.3	<0.086	N/A	<0.069	N/A
SVI-04-48	SP-14	Scheid 0-6"	161.5	4.34E-01	1.19E-01	<0.097	N/A
SVI-04-49	SP-14	Scheid 7"-12"	142.7	3.12E-01	1.48E-01	<0.069	N/A
SVI-04-50	SP-14	Scheid 0-6"	137.8	4.71E-01	1.21E-01	<0.078	N/A
SVI-04-51	SP-14	Scheid 7"-12"	152.1	3.39E-01	1.04E-01	<0.083	N/A
SVI-04-52	SP-7	Galloway 0-6"	394.7	3.50E-01	7.14E-02	<0.044	N/A
SVI-04-53	SP-7	Galloway 7"-12"	369.2	4.75E-01	8.70E-02	<0.034	N/A
SVI-04-54	SP-7	Galloway 0-6"	388.6	3.62E-01	7.10E-02	<0.031	N/A
SVI-04-55	SP-7	Galloway 7"-12"	393.1	7.32E-01	8.64E-02	<0.024	N/A
SVI-04-56	SP-8	Hull 0-6"	354.1	1.21E-01	4.95E-02	<0.034	N/A
SVI-04-57	SP-8	Hull 7"-12"	352.1	1.96E-01	5.34E-02	<0.032	N/A
SVI-04-58	SP-8	Hull 13"-18"	317.4	8.12E-02	3.71E-02	<0.045	N/A
SVI-04-59	SP-8	Hull 0-6"	378.5	3.23E-01	6.57E-02	<0.026	N/A
SVI-04-60	SP-8	Hull 7"-12"	400.7	3.10E-01	6.71E-02	6.71E-02	N/A
SVI-04-61	SP-8	Hull 13"-18"	348.7	4.73E-01	7.68E-02	<0.044	N/A
SVI-04-62	SP-9	Perkins 0-6"	282.4	2.47E-01	5.82E-02	3.40E-02	2.25E-02
SVI-04-63	SP-9	Perkins 7"-12"	261.6	3.57E-01	7.31E-02	<0.047	N/A
SVI-04-64	SP-9	Perkins 13"-18"	274.1	6.18E-01	9.90E-02	7.54E-02	3.51E-02
SVI-04-65	SP-9	Perkins 0-6"	253.6	2.56E-01	6.33E-02	<0.045	N/A
SVI-04-66	SP-9	Perkins 7"-12"	224.7	3.02E-01	9.81E-02	<0.052	N/A
SVI-04-67	SP-9	Perkins13"-18"	221.4	4.27E-01	1.00E-01	<0.057	N/A

SVI-04 , Plum Brook Creek Bed PBRF to Sandusky Bay

Sample Location #	Sample Point	Location	Weight (g)	Cs-137 (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 2σ (pCi/g)
SVI-04-68	SP-10	Rt 6 0-6"	200.3	3.66E-01	8.55E-02	<0.037	N/A
SVI-04-69	SP-10	Rt 6 7"-12"	213.2	7.10E-01	1.06E-01	<0.057	N/A
SVI-04-70	SP-10	Rt 6 13"-18"	222.0	1.83E+00	1.81E-01	1.15E-01	4.68E-02
SVI-04-71	SP-10	Rt 6 0-6"	212.4	4.30E-01	1.07E-01	<0.035	N/A
SVI-04-72	SP-10	Rt 6 7"-12"	234.6	9.14E-01	1.10E-01	1.03E-01	4.21E-02
SVI-04-73	SP-10	Rt 6 13"-18"	226.9	2.64E+00	2.10E-01	7.03E-02	3.64E-02
SVI-04-74	SP-15	Wastewater Treatment Site Upstream 0-6"	308.9	2.12E+01	6.91E-01	<0.11	N/A
SVI-04-74QC	SP-15	Wastewater Treatment Site Upstream 0-6"QC	305.4	2.21E+01	8.40E-01	3.34E-01	5.65E-02
SVI-04-75	SP-15	Wastewater Treatment Site Upstream 7"-12"	337.2	1.56E+01	5.53E-01	4.31E-01	5.46E-02
SVI-04-75QC	SP-15	Wastewater Treatment Site Upstream 7"-12"QC	349.0	1.52E+01	5.16E-01	<0.021	N/A
SVI-04-76	SP-15	Wastewater Treatment Site Upstream 0-6"	308.2	1.74E+01	6.83E-01	3.52E-01	5.99E-02
SVI-04-76QC	SP-15	Wastewater Treatment Site Upstream 0-6"QC	277.8	1.78E+01	6.44E-01	3.05E-01	5.78E-02
SVI-04-77	SP-15	Wastewater Treatment Site Upstream 7"-12"	273.1	8.00E+00	3.50E-01	2.22E-01	5.43E-02
SVI-04-77QC	SP-15	Wastewater Treatment Site Upstream 7"-12"QC	277.0	8.50E+00	4.02E-01	2.56E-01	5.49E-02
SVI-04-78	SP-16	Wastewater Treatment Site Downstream 0-6"	328.0	1.44E+01	5.23E-01	1.70E+00	1.15E-01
SVI-04-79	SP-16	Wastewater Treatment Site Downstream 7"-12"	255.1	1.26E+01	5.06E-01	3.59E-01	7.03E-02
SVI-04-80	SP-16	Wastewater Treatment Site Downstream 0-6"	289.3	5.74E+00	2.73E-01	1.85E-01	4.11E-02

SVI-04 , Plum Brook Creek Bed PBRF to Sandusky Bay

Sample Location #	Sample Point	Location	Weight (g)	Cs-137 (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 2σ (pCi/g)
SVI-04-81	SP-16	Wastewater Treatment Site Downstream 7"-12"	318.0	3.52E+00	2.18E-01	1.39E-01	4.55E-02
Number			85	82	82	39	38
Maximum			475.2	38.3	1.6	1.7	0.1
Avgerage			322.1	5.2	0.3	0.2	0.1
Standard Deviation			78.98	8.05	0.31	0.27	0.02

SVI-04 Sample Data Report Notes:

1. This table format is slightly different from the standard format of tables in this appendix. Sample labeling conventions in SVI-04 differ from those in the SRs which follow.
2. Cs-137 and Co-60 MDA values are not included as the data were not transcribed from the individual laboratory analysis reports.
3. In the following tables the notation "<MDA" is reported for all data fields associated with concentrations reported as less than minimum detectable activity.
4. All results for activity concentrations reported in SVI-04 and the SR data reports in this appendix are the values reported at the time of the laboratory analysis (2005-2007). Concentrations were not decay corrected to the present (December 2008).

SR-5 Plum Brook Stream Bed from Pentolite Rd to Clark Rd (Section A Phase 1)

Sample #	Depth/ Location	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
A1-1	0"- 6"	405.6	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A1-1Q	0"- 6"	376.4	1.71E-01	1.71E-01	8.50E-02	<MDA	6.50E-02	<MDA
A1-2	6"-15"	445.1	1.27E-01	1.27E-01	5.61E-02	<MDA	6.50E-02	<MDA
A1-2Q	6"-15"	394.7	1.12E-01	1.12E-01	5.86E-02	<MDA	6.50E-02	<MDA
A2-1	0"- 6"	362.7	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A2-2	6"-15"	406.3	6.15E-02	6.15E-02	4.26E-02	9.56E-02	9.56E-02	5.31E-02
A2-3	15"-24"	388	1.05E-01	1.05E-01	5.71E-02	<MDA	6.50E-02	<MDA
A3-1	0"- 6"	482.8	1.77E-01	1.77E-01	6.59E-02	<MDA	6.50E-02	<MDA
A3-2	6"-15"	440.8	2.30E-01	2.30E-01	7.23E-02	<MDA	6.50E-02	<MDA
A4-1	0"- 6"	365.7	2.45E-01	2.45E-01	8.66E-02	<MDA	6.50E-02	<MDA
A4-2	6"-15"	388.1	1.38E+00	1.38E+00	1.95E-01	<MDA	6.50E-02	<MDA
A4-3	15"-24"	368.9	2.69E+00	2.69E+00	2.49E-01	<MDA	6.50E-02	<MDA
A5-1	0"- 6"	383.5	3.41E-01	3.41E-01	8.21E-02	<MDA	6.50E-02	<MDA
A5-2	6"-15"	355.6	4.11E-01	4.11E-01	1.12E-01	<MDA	6.50E-02	<MDA
A5-3	15"-24"	389.7	1.05E-01	1.05E-01	5.75E-02	<MDA	6.50E-02	<MDA
A6-1	0"- 6"	341.6	2.30E+00	2.30E+00	2.40E-01	<MDA	6.50E-02	<MDA
A6-2	6"-15"	345.9	6.33E-02	6.33E-02	4.99E-02	<MDA	6.50E-02	<MDA
A6-3	15"-24"	387.4	3.32E-01	3.32E-01	9.89E-02	<MDA	6.50E-02	<MDA
A7-1	0"- 6"	426.2	2.16E-01	2.16E-01	7.42E-02	<MDA	6.50E-02	<MDA
A7-2	6"-15"	421.1	<MDA	5.92E-02	<MDA	6.42E-02	6.42E-02	3.12E-02
A7-3	15"-24"'	449.3	1.31E-01	1.31E-01	6.06E-02	<MDA	6.50E-02	<MDA
A8-1	0"- 6"	487.6	5.88E-02	5.88E-02	4.27E-02	<MDA	6.50E-02	<MDA
A8-2	6"- 15"	444.7	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A8-3	15"-24"	493.5	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A9-1	0"- 6"	558.3	1.86E-01	1.86E-01	5.35E-02	<MDA	6.50E-02	<MDA
A9-2	6"- 15"	535.4	1.18E-02	1.18E-02	5.21E-02	<MDA	6.50E-02	<MDA
A10-1	0"- 6"	390.2	1.72E-01	1.72E-01	7.40E-02	7.02E-02	7.02E-02	3.32E-02
A10-2	6"- 15"	525.20	5.34E-02	5.34E-02	4.09E-02	9.23E-02	9.23E-02	4.62E-02
A10-3	15"-24"	472.9	8.07E-02	8.07E-02	3.81E-02	<MDA	6.50E-02	<MDA
A11-1	0"- 6"	461.6	5.96E-01	5.96E-01	1.07E-01	<MDA	6.50E-02	<MDA
A11-2	6"-15"	449.1	1.40E-01	1.40E-01	8.09E-02	<MDA	6.50E-02	<MDA
A11-3	15"-24"	474.7	1.56E-01	1.56E-01	7.79E-02	<MDA	6.50E-02	<MDA
A12-1	0"- 6"	444.8	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A12-2	6"-15"	480.7	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A12-3	15"-24"	512.4	<MDA	5.92E-02	<MDA	6.80E-02	6.80E-02	3.31E-02
A13-1	0"- 6"	470.7	2.67E-01	2.67E-01	7.01E-02	<MDA	6.50E-02	<MDA
A13-2	6"-15"	420.2	1.74E-01	1.74E-01	6.66E-02	<MDA	6.50E-02	<MDA
A13-3	15"-24"	353.3	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A14-1	0"- 6"	352.9	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A14-2	6"-15'	486.4	3.49E-02	3.49E-02	2.47E-02	<MDA	6.50E-02	<MDA
A14-3	15"-24"	543.1	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A15-1	0"- 6'	450.1	1.99E-01	1.99E-01	7.07E-02	<MDA	6.50E-02	<MDA
A15-1Q	0"- 6'	403.9	1.19E-01	1.19E-01	7.93E-02	<MDA	6.50E-02	<MDA

SR-5 Plum Brook Stream Bed from Pentolite Rd to Clark Rd (Section A Phase 1)

Sample #	Depth/ Location	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
A15-2	6"-15'	460.1	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A15-2Q	6"-15'	456.4	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A15-3	15"-24"	477.2	7.34E-02	7.34E-02	4.47E-02	<MDA	6.50E-02	<MDA
A15-3Q	15"-24"	481.8	1.16E-01	1.16E-01	5.50E-02	<MDA	6.50E-02	<MDA
A16-1	0"- 6"	466.5	2.18E-01	2.18E-01	6.33E-02	<MDA	6.50E-02	<MDA
A16-2	6"-15'	413.5	1.22E-01	1.22E-01	4.81E-02	<MDA	6.50E-02	<MDA
A16-3	15"-24"	418.2	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A17-1	0"- 6"	384.9	1.94E+00	1.94E+00	2.08E-01	<MDA	6.50E-02	<MDA
A17-2	6"-15'	406.7	5.40E+00	5.40E+00	3.81E-01	1.08E-01	1.08E-01	4.04E-02
A17-3	15"-24"	409	2.26E+00	2.26E+00	2.22E-01	<MDA	6.50E-02	<MDA
A18-1	0"- 6"	395.9	7.50E-02	7.50E-02	4.79E-02	<MDA	6.50E-02	<MDA
A18-2	6"-15'	404.3	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A18-3	15"-24"	413.6	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A19-1	0"- 6"	418.4	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A19-2	6"-15'	426.3	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A19-3	15"-24"	433.4	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A20-1	0"- 6"	507.7	6.26E-02	6.26E-02	3.83E-02	8.94E-02	8.94E-02	4.14E-02
A20-2	6"-15'	532.3	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A21-1	0"- 6"	487.5	1.38E-01	1.38E-01	4.62E-02	<MDA	6.50E-02	<MDA
A21-2	6"-15'	544.2	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A21-3	15"-24"	501	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A22-1	0"- 6"	418.6	4.30E-01	4.30E-01	9.58E-02	<MDA	6.50E-02	<MDA
A22-1Q	0"- 6"	371.1	4.25E-01	4.25E-01	1.04E-01	<MDA	6.50E-02	<MDA
A22-2	6"-15'	454.2	1.40E-01	1.40E-01	7.94E-02	<MDA	6.50E-02	<MDA
A22-2Q	6"-15'	442.8	1.80E-01	1.80E-01	8.84E-02	<MDA	6.50E-02	<MDA
A23-1	0"- 6"	341.9	5.31E-01	5.31E-01	1.25E-01	<MDA	6.50E-02	<MDA
A23-1Q	0"- 6"	294.7	5.13E-01	5.13E-01	1.36E-01	<MDA	6.50E-02	<MDA
A23-2	6"-15'	329.9	5.21E-01	5.21E-01	1.27E-01	<MDA	6.50E-02	<MDA
A23-2Q	6"-15'	315.7	5.21E-01	5.21E-01	1.35E-01	<MDA	6.50E-02	<MDA
A24-1	0"- 6"	470.7	1.40E-01	1.40E-01	7.39E-02	<MDA	6.50E-02	<MDA
A24-2	6"-15'	438.6	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A24-3	15"-24"	473	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A25-1	0"- 6"	439.7	1.13E+00	1.13E+00	1.57E-01	<MDA	6.50E-02	<MDA
A25-2	6"-15'	400.8	3.54E-01	3.54E-01	1.00E-01	<MDA	6.50E-02	<MDA
A25-3	15"-24"	438.5	1.81E-01	1.81E-01	7.08E-02	<MDA	6.50E-02	<MDA
A26-1	0"- 6"	414.4	1.74E-01	1.74E-01	1.09E-01	<MDA	6.50E-02	<MDA
A26-2	6"-15'	410.3	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A26-3	15"-24"	371.5	9.98E-02	9.98E-02	5.79E-02	<MDA	6.50E-02	<MDA
A27-1	0"- 6"	424.3	3.37E-01	3.37E-01	1.05E-01	<MDA	6.50E-02	<MDA
A27-1A	0"- 6"	428	1.64E-01	1.64E-01	8.44E-02	<MDA	6.50E-02	<MDA
A27-2A	6"-15'	467	9.99E-02	9.99E-02	6.65E-02	<MDA	6.50E-02	<MDA
A273A	15"-24"	413.3	1.81E-01	1.81E-01	9.20E-02	<MDA	6.50E-02	<MDA
A28-1	0"- 6"	406.8	1.28E+00	1.28E+00	1.87E-01	<MDA	6.50E-02	<MDA
A28-2	6"-15'	345.7	1.19E+00	1.19E+00	1.70E-01	1.22E-01	1.22E-01	5.14E-02

SR-5 Plum Brook Stream Bed from Pentolite Rd to Clark Rd (Section A Phase 1)

Sample #	Depth/ Location	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
A29-1	0"- 6"	379.9	1.29E+00	1.29E+00	1.69E-01	<MDA	6.50E-02	<MDA
A29-2	6"-15'	383.4	1.85E+00	1.85E+00	2.20E-01	<MDA	6.50E-02	<MDA
A29-3	15"-24"	389.4	1.95E+00	1.95E+00	2.09E-01	<MDA	6.50E-02	<MDA
A30-1	0"- 6"	458	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A30-1Q	0"- 6"	421.1	1.13E-01	1.13E-01	5.27E-02	<MDA	6.50E-02	<MDA
A30-2	6"-15'	421.3	6.28E-02	6.28E-02	4.64E-02	<MDA	6.50E-02	<MDA
A30-2Q	6"-15'	464.8	6.98E-02	6.98E-02	4.62E-02	<MDA	6.50E-02	<MDA
A30-3	15"-24"	416.9	4.07E-02	4.07E-02	2.88E-02	<MDA	6.50E-02	<MDA
A30-3Q	15"-24"	479.4	8.07E-02	8.07E-02	4.58E-02	<MDA	6.50E-02	<MDA
A31-1	0"- 6"	424.2	1.20E-01	1.20E-01	6.01E-02	<MDA	6.50E-02	<MDA
A31-2	6"-15'	457.6	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A31-3	15"-24"	508.2	<MDA	5.92E-02	<MDA	7.13E-02	7.13E-02	2.96E-02
A32-1	0"- 6"	377.3	1.54E+00	1.54E+00	1.97E-01	<MDA	6.50E-02	<MDA
A32-2	6"-15'	495.2	2.89E-01	2.89E-01	8.71E-02	<MDA	6.50E-02	<MDA
A32-3	15"-24"	480.8	3.11E-01	3.11E-01	9.95E-02	<MDA	6.50E-02	<MDA
A33-1	0"- 6"	506.5	6.28E-02	6.28E-02	4.34E-02	<MDA	6.50E-02	<MDA
A33-2	6"-15'	476.3	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A33-3	15"-24"	484.9	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A34-1	0"- 6"	420.3	4.58E-01	4.58E-01	1.14E-01	<MDA	6.50E-02	<MDA
A34-2	6"-15'	434	3.09E-01	3.09E-01	9.07E-02	<MDA	6.50E-02	<MDA
A35-1	0"- 6"	324.8	9.25E-01	9.25E-01	1.56E-01	<MDA	6.50E-02	<MDA
A35-2	6"-15'	389.2	2.14E+00	2.14E+00	2.31E-01	<MDA	6.50E-02	<MDA
A36-1	0"- 6"	492.9	2.45E-01	2.45E-01	7.78E-02	<MDA	6.50E-02	<MDA
A36-2	6"-15'	498.2	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A37-1	0"- 6"	401.1	3.06E+00	3.06E+00	2.57E-01	<MDA	6.50E-02	<MDA
A37-2	6"-15'	497	2.51E+00	2.51E+00	2.26E-01	1.17E-01	1.17E-01	5.27E-02
A37-3	15"-24"	488.8	9.16E-01	9.16E-01	1.36E-01	<MDA	6.50E-02	<MDA
A38-1	0"- 6"	443.1	1.82E-01	1.82E-01	6.79E-02	<MDA	6.50E-02	<MDA
A38-2	6"-15'	399.4	8.27E-02	8.27E-02	4.73E-02	<MDA	6.50E-02	<MDA
A38-3	15"-24"	529.4	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A39-1	0"- 6"	477.1	1.70E-01	1.70E-01	7.17E-02	<MDA	6.50E-02	<MDA
A39-1Q	0"- 6"	513.9	2.64E-01	2.64E-01	8.00E-02	<MDA	6.50E-02	<MDA
A39-2	6"-15'	519.4	1.03E-01	1.03E-01	6.95E-02	<MDA	6.50E-02	<MDA
A39-2Q	6"-15'	446.3	1.14E-01	1.14E-01	6.59E-02	<MDA	6.50E-02	<MDA
A39-3	15"-24"	427.1	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A39-3Q	15"-24"	430.3	1.07E-01	1.07E-01	6.68E-02	<MDA	6.50E-02	<MDA
A40-1	0"- 6"	360.3	9.12E-01	9.12E-01	1.60E-01	<MDA	6.50E-02	<MDA
A40-2	6"-15'	470.7	3.15E-01	3.15E-01	7.55E-02	<MDA	6.50E-02	<MDA
A40-3	15"-24"	468.8	1.70E-01	1.70E-01	8.63E-02	<MDA	6.50E-02	<MDA
A41-1	0"- 6"	387.4	9.30E-01	9.30E-01	1.44E-01	<MDA	6.50E-02	<MDA
A41-2	6"-15'	474	4.33E-01	4.33E-01	9.48E-02	<MDA	6.50E-02	<MDA
A41-3	15"-24"	467.4	1.60E-01	1.60E-01	5.79E-02	<MDA	6.50E-02	<MDA
A42-1	0"- 6"	412.2	7.20E-01	7.20E-01	1.37E-01	<MDA	6.50E-02	<MDA
A42-2	6"-15'	456.1	4.92E-01	4.92E-01	1.08E-01	<MDA	6.50E-02	<MDA

SR-5 Plum Brook Stream Bed from Pentolite Rd to Clark Rd (Section A Phase 1)

Sample #	Depth/ Location	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
A42-3	15"-24"	468.9	8.14E-02	8.14E-02	5.40E-02	<MDA	6.50E-02	<MDA
A43-1	0"- 6"	411.8	2.63E-01	2.63E-01	8.63E-02	7.93E-02	7.93E-02	3.40E-02
A43-2	6"-15'	451.8	1.08E-01	1.08E-01	4.51E-02	<MDA	6.50E-02	<MDA
A43-3	15"-24"	441.2	<MDA	5.92E-02	<MDA	5.07E-02	5.07E-02	2.78E-02
A44-1	0"- 6"	412.9	2.22E+00	2.22E+00	2.15E-01	<MDA	6.50E-02	<MDA
A44-2	6"-15'	377.7	1.58E+00	1.58E+00	2.12E-01	1.38E-01	1.38E-01	6.01E-02
A44-3	15"-24"	404	4.62E-01	4.62E-01	1.11E-01	<MDA	6.50E-02	<MDA
A45-1	0"- 6"	420.9	9.62E+00	9.62E+00	5.46E-01	<MDA	6.50E-02	<MDA
A45-2	6"-15'	472.9	3.42E+01	3.42E+01	1.16E+00	3.24E-01	3.24E-01	8.03E-02
A45-3	15"-24"	434.9	4.23E+00	4.23E+00	3.23E-01	1.48E-01	1.48E-01	4.98E-02
A46-1	0"- 6"	417.5	2.93E+00	2.93E+00	2.53E-01	<MDA	6.50E-02	<MDA
A46-2	6"-15'	411.9	5.50E+00	5.50E+00	3.90E-01	<MDA	6.50E-02	<MDA
A46-3	15"-24"	415.2	3.83E+01	3.83E+01	1.30E+00	4.35E-01	4.35E-01	7.84E-02
A47-1	0"- 6"	415.9	1.49E-01	1.49E-01	6.47E-02	<MDA	6.50E-02	<MDA
A47-2	6"-15'	387.7	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A47-3	15"-24"	361.2	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A48-1	0"- 6"	421.8	1.67E+00	1.67E+00	1.84E-01	1.18E-01	1.18E-01	4.68E-02
A48-2	6"-15'	446.8	3.06E+00	3.06E+00	2.65E-01	<MDA	6.50E-02	<MDA
A48-3	15"-24"	456.6	2.41E+00	2.41E+00	2.16E-01	1.32E-01	1.32E-01	4.89E-02
A49-1	0"- 6"	404.1	1.58E+00	1.58E+00	1.89E-01	7.22E-02	7.22E-02	3.36E-02
A49-2	6"-15'	411	2.51E+00	2.51E+00	2.33E-01	<MDA	6.50E-02	<MDA
A49-3	15"-24"	455.8	1.66E+01	1.66E+01	7.69E-01	<MDA	6.50E-02	<MDA
A50-1	0"- 6"	386	1.01E+00	1.01E+00	1.48E-01	6.27E-02	6.27E-02	3.10E-02
A50-2	6"-15'	349.7	1.74E+00	1.74E+00	2.26E-01	6.92E-02	6.92E-02	3.50E-02
A50-3	15"-24"	385.6	3.15E+01	3.15E+01	1.14E+00	2.83E-01	2.83E-01	7.22E-02
A51-1	0"- 6"	480.6	9.49E-01	9.49E-01	1.41E-01	9.14E-02	9.14E-02	4.07E-02
A51-2	6"-15'	497	7.60E-01	7.60E-01	1.28E-01	<MDA	6.50E-02	<MDA
A51-3	15"-24"	494	2.53E-01	2.53E-01	7.67E-02	<MDA	6.50E-02	<MDA
A52-1	0"- 6"	353.8	9.19E-01	9.19E-01	1.50E-01	<MDA	6.50E-02	<MDA
A52-2	6"-15'	346.1	9.56E-01	9.56E-01	1.62E-01	9.50E-02	9.50E-02	4.36E-02
A52-3	15"-24"	477.9	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A53-1	0"- 6"	474.4	5.87E-01	5.87E-01	1.28E-01	<MDA	6.50E-02	<MDA
A53-2	6"-15'	488.3	1.53E-01	1.53E-01	6.49E-02	<MDA	6.50E-02	<MDA
A53-3	15"-24"	485.4	1.73E-01	1.73E-01	8.16E-02	<MDA	6.50E-02	<MDA
A54-1	0"- 6"	371.6	1.78E-01	1.78E-01	8.70E-02	<MDA	6.50E-02	<MDA
A54-1Q	0"- 6"	426.7	1.24E-01	1.24E-01	4.96E-02	<MDA	6.50E-02	<MDA
A54-2	6"-15'	444.8	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
A54-2Q	6"-15'	392.7	8.64E-02	8.64E-02	6.84E-02	<MDA	6.50E-02	<MDA
A54-3	15"-24"	444.9	1.64E-01	1.64E-01	5.27E-02	<MDA	6.50E-02	<MDA
A54-3Q	15"-24"	450.3	7.06E-02	7.06E-02	4.47E-02	<MDA	6.50E-02	<MDA
A55-1	0"- 6"	449.6	8.61E-01	8.61E-01	1.28E-01	6.97E-02	6.97E-02	3.03E-02
A55-2	6"-15'	432	2.75E-01	2.75E-01	7.40E-02	<MDA	6.50E-02	<MDA
A55-3	15"-24"	450.9	4.69E-01	4.69E-01	8.90E-02	<MDA	6.50E-02	<MDA
A56-1	0"- 6"	370.3	7.84E-01	7.84E-01	1.42E-01	<MDA	6.50E-02	<MDA

SR-5 Plum Brook Stream Bed from Pentolite Rd to Clark Rd (Section A Phase 1)

Sample #	Depth/ Location	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
A56-2	6"-15'	350	8.94E-01	8.94E-01	1.66E-01	<MDA	6.50E-02	<MDA
A56-3	15"-24"	447.3	9.86E-01	9.86E-01	1.69E-01	<MDA	6.50E-02	<MDA
A57-1	0"- 6"	330.9	3.10E+00	3.10E+00	2.89E-01	<MDA	6.50E-02	<MDA
A57-2	6"-15'	341	3.18E+00	3.18E+00	3.03E-01	<MDA	6.50E-02	<MDA
A57-3	15"-24"	436.6	1.91E+00	1.91E+00	1.94E-01	<MDA	6.50E-02	<MDA
Number		180	142	180	142	25	180	25
Min		294.7	1.18E-02	1.18E-02	2.47E-02	5.07E-02	5.07E-02	2.78E-02
Max		558.3	3.83E+01	3.83E+01	1.30E+00	4.35E-01	4.35E-01	8.03E-02
Avg		431.1	1.64E+00	1.31E+00	1.46E-01	1.23E-01	7.30E-02	4.50E-02
SD		51.47	5.22E+00	4.67E+00	1.84E-01	9.13E-02	3.90E-02	1.49E-02

SR-6 Plum Brook Stream Bed from Clark Rd to Taylorbrook Lane. (Section B Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR-6-B1-1	0"-6"	368	1.54E+00	1.54E+00	1.85E-01	<MDA	6.04E-02	<MDA
SR-6-B1-2	6"15'	442	1.99E+00	1.99E+00	2.25E-01	<MDA	6.70E-02	<MDA
SR-6-B2-1	0"-6"	372	8.52E-01	8.52E-01	1.36E-01	<MDA	8.64E-02	<MDA
SR-6-B2-2	6"15'	370	1.22E+00	1.22E+00	1.60E-01	<MDA	6.00E-02	<MDA
SR-6-B2-3	15"-24"	352	1.44E+00	1.44E+00	2.01E-01	8.93E-02	8.93E-02	4.02E-02
SR-6-B3-1	0"-6"	381	7.41E-01	7.41E-01	1.32E-01	MDA	MDA	<MDA
SR-6-B3-2	6"15'	371	1.95E+00	1.95E+00	2.16E-01	<MDA	5.99E-02	<MDA
SR-6-B3-3	15"-24"	488	2.30E+00	2.30E+00	2.21E-01	1.70E-01	1.70E-01	6.69E-02
SR-6-B4-1	0"-6"	399	2.10E-01	2.10E-01	9.39E-02	<MDA	5.50E-02	<MDA
SR-6-B4-2	6"15'	451	1.34E-01	1.34E-01	6.11E-02	<MDA	4.93E-02	<MDA
SR-6-B4-3	15"-24"	369	1.19E-01	1.19E-01	7.90E-02	<MDA	6.37E-02	<MDA
SR-6-B5-1	0"-6"	410	2.73E+00	2.73E+00	2.44E-01	<MDA	5.36E-02	<MDA
SR-6-B5-2	6"15'	400	5.49E-01	5.49E-01	1.24E-01	<MDA	5.56E-02	<MDA
SR-6-B5-3	15"-24"	383	4.08E-01	4.08E-01	1.05E-01	<MDA	6.14E-02	<MDA
SR-6-B6-1	0"-6"	431	1.01E-01	1.01E-01	7.58E-02	<MDA	5.19E-02	<MDA
SR-6-B6-2	6"15'	413	6.86E-02	6.86E-02	4.20E-02	<MDA	5.95E-02	<MDA
SR-6-B6-3	15"-24"	475	<MDA	3.87E-02	<MDA	<MDA	5.38E-02	<MDA
SR-6-B7-1	0"-6"	408	9.83E-01	9.83E-01	1.57E-01	<MDA	6.02E-02	<MDA
SR-6-B7-2	6"15'	376	5.15E-01	5.15E-01	1.11E-01	<MDA	5.95E-02	<MDA
SR-6-B7-3	15"-24"	375	4.01E-01	4.01E-01	1.02E-01	<MDA	6.55E-02	<MDA
SR-6-B8-1	0"-6"	254	1.50E+00	1.50E+00	2.35E-01	<MDA	8.82E-02	<MDA
SR-6-B8-2	6"15'	380	8.81E-01	8.81E-01	1.45E-01	<MDA	6.46E-02	<MDA
SR-6-B8-3	15"-24"	347	8.45E-01	8.45E-01	1.42E-01	<MDA	6.45E-02	<MDA
SR-6-B9-1	0"-6"	376	1.16E+00	1.16E+00	1.72E-01	1.13E-01	1.13E-01	6.05E-02
SR-6-B9-2	6"15'	392	4.20E-01	4.20E-01	9.17E-02	<MDA	6.27E-02	<MDA
SR-6-B9-3	15"-24"	404	1.77E-01	1.77E-01	8.62E-02	<MDA	5.48E-02	<MDA
SR-6-B10-1	0"-6"	370	1.40E+00	1.40E+00	1.83E-01	1.23E-01	1.23E-01	6.37E-02
SR-6-B10-1Q	0"-6"	352	1.32E+00	1.32E+00	1.89E-01	<MDA	6.98E-02	<MDA
SR-6-B10-2	6"15'	404	8.77E-01	8.77E-01	1.41E-01	<MDA	5.48E-02	<MDA
SR-6-B10-2Q	6"15'	377	1.50E+00	1.50E+00	1.77E-01	<MDA	5.94E-02	<MDA
SR-6-B10-3	15"-24"	401	3.76E-01	3.76E-01	1.06E-01	<MDA	6.13E-02	<MDA
SR-6-B10-3Q	15"-24"	400	4.29E-01	4.29E-01	1.07E-01	<MDA	5.54E-02	<MDA
SR-6-B11-1	0"-6"	338	8.71E-01	8.71E-01	1.53E-01	<MDA	7.27E-02	<MDA
SR-6-B11-2	6"15'	391	4.29E-01	4.29E-01	1.04E-01	<MDA	5.73E-02	<MDA
SR-6-B11-3	15"-24"	426	2.41E-01	2.41E-01	7.80E-02	<MDA	5.77E-02	<MDA
SR-6-B12-1	0"-6"	365	4.34E-01	4.34E-01	1.30E-01	<MDA	6.13E-02	<MDA
SR-6-B12-2	6"15'	399	1.77E-01	1.77E-01	9.16E-02	<MDA	6.16E-02	<MDA
SR-6-B12-3	15"-24"	422	1.64E-01	1.64E-01	0.0925	<MDA	5.25E-02	<MDA
SR-6-B13-1	0"-6"	356	6.29E-01	6.29E-01	1.28E-01	<MDA	6.29E-02	<MDA
SR-6-B13-2	6"15'	402	8.60E-01	8.60E-01	1.32E-01	<MDA	6.11E-02	<MDA
SR-6-B13-3	15"-24"	325	3.13E+00	3.13E+00	3.00E-01	1.67E-01	1.67E-01	5.55E-02

SR-6 Plum Brook Stream Bed from Clark Rd to Taylorbrook Lane. (Section B Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR-6-B14-1	0"-6"	359	2.08E-01	2.08E-01	6.61E-02	<MDA	6.23E-02	<MDA
SR-6-B14-2	6"15'	413	<MDA	7.98E-02	<MDA	<MDA	5.95E-02	<MDA
SR-6-B14-3	15"-24"	421	1.07E-01	1.07E-01	7.12E-02	<MDA	5.32E-02	<MDA
SR-6-B15-1	0"-6"	425	<MDA	4.99E-02	<MDA	<MDA	5.78E-02	<MDA
SR-6-B15-2	6"15'	397	<MDA	4.57E-02	<MDA	<MDA	5.58E-02	<MDA
SR-6-B15-3	15"-24"	415	<MDA	5.43E-02	<MDA	<MDA	5.40E-02	<MDA
SR-6-B16-1	0"-6"	338	1.31E+00	1.31E+00	1.84E-01	<MDA	7.27E-02	<MDA
SR-6-B16-2	6"15'	337	1.76E+00	1.76E+00	2.07E-01	1.27E-01	1.27E-01	4.64E-02
SR-6-B16-3	15"-24"	376	1.03E+00	1.03E+00	1.57E-01	<MDA	5.96E-02	<MDA
SR-6-B17-1	0"-6"	383	8.01E-01	8.01E-01	1.36E-01	<MDA	7.33E-02	<MDA
SR-6-B17-2	6"15'	367	2.57E-01	2.57E-01	1.04E-01	<MDA	6.03E-02	<MDA
SR-6-B18-1	0"-6"	293	6.30E-01	6.30E-01	1.43E-01	<MDA	8.38E-02	<MDA
SR-6-B18-2	6"15'	258	7.33E-01	7.33E-01	1.50E-01	<MDA	8.59E-02	<MDA
SR-6-B19-1	0"-6"	370	5.87E-01	5.87E-01	1.10E-01	<MDA	6.05E-02	<MDA
SR-6-B19-2	6"15'	375	1.77E+00	1.77E+00	2.03E-01	<MDA	6.55E-02	<MDA
SR-6-B19-3	15"-24"	338	3.85E+00	3.85E+00	3.23E-01	<MDA	6.55E-02	<MDA
SR-6-B20-1	0"-6"	391	1.58E+00	1.58E+00	1.81E-01	<MDA	9.34E-02	<MDA
SR-6-B20-1Q	0"-6"	377	1.49E+00	1.49E+00	1.84E-01	8.31E-02	8.31E-02	3.91E-02
SR-6-B20-2	6"15'	381	9.49E-01	9.49E-01	1.51E-01	<MDA	5.81E-02	<MDA
SR-6-B20-2Q	6"15'	391	9.62E-01	9.62E-01	1.38E-01	<MDA	8.72E-02	<MDA
SR-6-B20-3	15"-24"	394	1.78E+00	1.78E+00	2.00E-01	<MDA	1.02E-01	<MDA
SR-6-B20-3Q	15"-24"	362	1.93E+00	1.93E+00	2.17E-01	9.85E-02	9.85E-02	4.80E-02
SR-6-B21-1	0"-6"	407	2.48E+00	2.48E+00	2.37E-01	1.02E-01	1.02E-01	5.07E-02
SR-6-B21-2	6"15'	442	1.73E+00	1.73E+00	1.99E-01	<MDA	5.56E-02	<MDA
SR-6-B22-1	0"-6"	382	4.54E-01	4.54E-01	1.20E-01	<MDA	5.79E-02	<MDA
SR-6-B22-1Q	0"-6"	378	4.46E-01	4.46E-01	1.13E-01	<MDA	5.93E-02	<MDA
SR-6-B22-2	6"15'	440	9.66E-02	9.66E-02	7.60E-02	<MDA	5.59E-02	<MDA
SR-6-B22-2Q	6"15'	418	<MDA	6.28E-02		<MDA	5.30E-02	<MDA
SR-6-B22-3	15"-24"	439	7.46E-02	7.46E-02	4.37E-02	<MDA	5.10E-02	<MDA
SR-6-B22-3Q	15"-24"	451	7.18E-02	7.18E-02	4.44E-02	<MDA	5.44E-02	<MDA
SR-6-B23-1	0"-6"	372	6.29E-01	6.29E-01	1.16E-01	<MDA	5.95E-02	<MDA
SR-6-B23-2	6"15'	364	1.34E-01	1.34E-01	6.35E-02	<MDA	6.16E-02	<MDA
SR-6-B23-3	15"-24"	432	1.99E-01	1.99E-01	6.50E-02	<MDA	5.69E-02	<MDA
SR-6-B24-1	0"-6"	376	3.84E-01	3.84E-01	1.01E-01	<MDA	5.89E-02	<MDA
SR-6-B24-2	6"15'	423	<MDA	5.32E-02	<MDA	<MDA	5.29E-02	<MDA
SR-6-B24-3	15"-24"	432	<MDA	5.43E-02	<MDA	<MDA	5.69E-02	<MDA
SR-6-B25-1	0"-6"	374	2.90E-01	2.90E-01	9.50E-02	<MDA	5.99E-02	<MDA
SR-6-B25-2	6"15'	435	<MDA	6.34E-02	<MDA	8.02E-02	8.02E-02	3.45E-02
SR-6-B25-3	15"-24"	431	<MDA	6.39E-02	<MDA	<MDA	5.14E-02	<MDA
SR-6-B26-1	0"-6"	378	7.92E-02	7.92E-02	3.97E-02	6.51E-02	6.51E-02	3.16E-02

SR-6 Plum Brook Stream Bed from Clark Rd to Taylorbrook Lane. (Section B Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR-6-B26-1Q	0"-6"	400	<MDA	4.39E-02	<MDA	<MDA	6.14E-02	<MDA
SR-6-B26-2	6"15'	377	<MDA	8.29E-02	<MDA	9.55E-02	9.55E-02	3.83E-02
SR-6-B26-2Q	6"15'	359	6.06E-02	6.06E-02	4.75E-02	<MDA	6.85E-02	<MDA
SR-6-B26-3	15"-24"	405	6.39E-02	6.39E-02	4.21E-02	<MDA	5.53E-02	<MDA
SR-6-B26-3Q	15"-24"	348	6.51E-02	6.51E-02	3.77E-02	<MDA	7.06E-02	<MDA
SR-6-B27-1	0"-6"	434	2.16E-01	2.16E-01	7.65E-02	<MDA	5.11E-02	<MDA
SR-6-B27-2	6"15'	470	<MDA	6.17E-02	<MDA	<MDA	4.77E-02	<MDA
SR-6-B27-3	15"-24"	470	7.63E-02	7.63E-02	3.51E-02	8.60E-02	8.60E-02	3.82E-02
SR-6-B28-1	0"-6"	359	7.91E-01	7.91E-01	1.58E-01	<MDA	6.17E-02	<MDA
SR-6-B28-2	6"15'	378	1.20E+00	1.20E+00	1.65E-01	1.36E-01	1.36E-01	4.62E-02
SR-6-B28-3	15"-24"	376	9.23E-01	9.23E-01	1.41E-01	<MDA	1.05E-01	<MDA
SR-6-B29-1	0"-6"	400	7.87E-01	7.87E-01	1.36E-01	9.66E-02	9.66E-02	4.28E-02
SR-6-B29-2	6"15'	431	6.04E-01	6.04E-01	1.11E-01	<MDA	5.71E-02	<MDA
SR-6-B30-1	0"-6"	389	3.41E-01	3.41E-01	1.00E-01	<MDA	5.70E-02	<MDA
SR-6-B30-2	6"15'	461	<MDA	6.11E-02	<MDA	1.23E-01	1.23E-01	3.95E-02
SR-6-B30-3	15"-24"	439	<MDA	4.83E-02	<MDA	<MDA	5.61E-02	<MDA
SR-6-B31-1	0"-6"	420	8.63E-01	8.63E-01	1.33E-01	<MDA	5.28E-02	<MDA
SR-6-B31-2	6"15'	387	8.46E-01	8.46E-01	1.42E-01	9.10E-02	9.10E-02	4.06E-02
SR-6-B32-1	0"-6"	373	1.12E+00	1.12E+00	1.63E-01	<MDA	6.61E-02	<MDA
SR-6-B32-2	6"15'	405	1.28E+00	1.28E+00	1.79E-01	<MDA	5.54E-02	<MDA
SR-6-B32-3	15"-24"	452	8.23E-01	8.23E-01	1.37E-01	<MDA	4.96E-02	<MDA
SR-6-B33-1	0"-6"	382	7.46E-01	7.46E-01	1.44E-01	<MDA	7.34E-02	<MDA
SR-6-B33-2	6"15'	439	7.75E-02	7.75E-02	5.55E-02	<MDA	5.61E-02	<MDA
SR-6-B33-3	15"-24"	417	9.20E-02	9.20E-02	6.14E-02	<MDA	5.90E-02	<MDA
SR-6-B34-1	0"-6"	380	6.01E-01	6.01E-01	1.30E-01	7.86E-02	7.86E-02	3.75E-02
SR-6-B34-1Q	0"-6"	373	7.10E-01	7.10E-01	1.23E-01	<MDA	5.94E-02	<MDA
SR-6-B34-2	6"15'	424	1.44E-01	1.44E-01	6.40E-02	<MDA	5.30E-02	<MDA
SR-6-B34-2Q	6"15'	408	1.75E-01	1.75E-01	7.89E-02	<MDA	6.63E-02	<MDA
SR-6-B34-3	15"-24"	462	<MDA	6.94E-02		<MDA	4.80E-02	<MDA
SR-6-B34-3Q	15"-24"	451	7.48E-02	7.48E-02	4.56E-02	<MDA	4.98E-02	<MDA
SR-6-B35-1	0"-6"	347	9.38E-01	9.38E-01	1.56E-01	<MDA	7.09E-02	<MDA
SR-6-B35-2	6"15'	358	3.54E+00	3.54E+00	3.00E-01	9.16E-02	9.16E-02	3.83E-02
SR-6-B36-1	0"-6"	402	2.26E+00	2.26E+00	2.42E-01	<MDA	6.06E-02	<MDA
SR-6-B36-2	6"15'	392	1.31E+00	1.31E+00	1.65E-01	<MDA	5.72E-02	<MDA
SR-6-B36-3	15"-24"	367	1.10E+00	1.10E+00	1.66E-01	<MDA	6.71E-02	<MDA
SR6-B37-1	0"-6"	349	5.83E-01	5.83E-01	1.34E-01	<MDA	6.38E-02	<MDA
SR-6-B37-2	6"15'	416	6.88E-01	6.88E-01	1.15E-01	6.50E-02	6.50E-02	4.34E-02
SR-6-B38-1	0"-6"	352	6.38E-01	6.38E-01	1.18E-01	<MDA	6.37E-02	<MDA
SR-6-B38-1Q	0"-6"	360	5.70E-01	5.70E-01	1.19E-01	<MDA	6.83E-02	<MDA

SR-6 Plum Brook Stream Bed from Clark Rd to Taylorbrook Lane. (Section B Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR-6-B38-2	6"15'	384	2.36E+00	2.36E+00	2.28E-01	<MDA	5.78E-02	<MDA
SR-6-B38-2Q	6"15'	383	2.07E+00	2.07E+00	2.19E-01	<MDA	5.86E-02	<MDA
SR-6-B38-3	15"-24"	370	2.48E+00	2.48E+00	2.60E-01	1.20E-01	1.20E-01	4.58E-02
SR-6-B38-3Q	15"-24"	367	2.75E+00	2.75E+00	2.66E-01	9.84E-02	9.84E-02	5.69E-02
SR-6-B39-1	0"-6"	457	2.24E-01	2.24E-01	7.01E-02	<MDA	4.85E-02	<MDA
SR-6-B39-2	6"15'	448	4.89E-01	4.89E-01	1.05E-01	<MDA	5.01E-02	<MDA
SR-6-B40-1	0"-6"	354	9.53E-01	9.53E-01	1.69E-01	<MDA	6.95E-02	<MDA
SR-6-B40-2	6"15'	406	7.17E-01	7.17E-01	1.29E-01	<MDA	5.46E-02	<MDA
SR-6-B40-3	15"-24"	419	1.05E+00	1.05E+00	1.40E-01	<MDA	5.62E-02	<MDA
SR-6-B41-1	0"-6"	399	7.46E-01	7.46E-01	1.37E-01	<MDA	8.64E-02	<MDA
SR-6-B41-2	6"15'	455	8.25E-01	8.25E-01	1.28E-01	<MDA	4.87E-02	<MDA
SR-6-B41-3	15"-24"	456	4.85E-01	4.85E-01	9.00E-02	<MDA	5.82E-02	<MDA
SR-6-B42-1	0"-6"	305	7.31E-01	7.31E-01	1.48E-01	<MDA	7.28E-02	<MDA
SR-6-B42-2	6"15'	301	8.27E-01	8.27E-01	1.55E-01	<MDA	7.45E-02	<MDA
SR-6-B42-3	15"-24"	294	9.26E-01	9.26E-01	1.59E-01	<MDA	8.37E-02	<MDA
SR-6-B43-1	0"-6"	429	3.82E-01	3.82E-01	8.92E-02	7.54E-02	7.54E-02	3.31E-02
SR-6-B43-2	6"15'	444	4.61E-01	4.61E-01	1.18E-01	6.70E-02	6.70E-02	3.57E-02
SR-6-B43-3	15"-24"	440	2.28E-01	2.28E-01	7.33E-02	<MDA	5.59E-02	<MDA
SR-6-B44-1	0"-6"	393	7.86E-01	7.86E-01	1.05E-01	<MDA	4.29E-02	<MDA
SR-6-B44-2	6"15'	439	8.55E-01	8.55E-01	1.30E-01	<MDA	5.56E-02	<MDA
SR-6-B44-3	15"-24"	353	9.26E-01	9.26E-01	1.58E-01	<MDA	8.30E-02	<MDA
SR-6-B45-1	0"-6"	502	1.40E+00	1.40E+00	1.62E-01	<MDA	4.86E-02	<MDA
SR-6-B45-2	6"15'	503	7.77E-01	7.77E-01	1.19E-01	<MDA	4.38E-02	<MDA
SR-6-B45-3	15"-24"	505	4.31E-01	4.31E-01	7.49E-02	<MDA	2.64E-02	<MDA
SR-6-B46-1	0"-6"	295	8.80E-01	8.80E-01	1.32E-01	<MDA	4.53E-02	<MDA
SR-6-B46-2	6"15'	312	1.18E+00	1.18E+00	1.95E-01	<MDA	7.84E-02	<MDA
SR-6-B46-3	15"-24"	345	2.51E+00	2.51E+00	2.57E-01	<MDA	6.38E-02	<MDA
SR-6-B46-1Q	0"-6"	386	7.56E-01	7.56E-01	1.25E-01	<MDA	5.69E-02	<MDA
SR-6-B46-2Q	6"15'	416	1.22E+00	1.22E+00	1.25E-01	<MDA	3.20E-02	<MDA
SR-6-B46-3Q	15"-24"	401	1.70E+00	1.70E+00	1.96E-01	<MDA	6.09E-02	<MDA
SR-6-B47-1	0"-6"	411	3.84E-01	3.84E-01	1.13E-01	<MDA	5.63E-02	<MDA
SR-6-B47-2	6"15'	461	2.18E-01	2.18E-01	9.07E-02	<MDA	7.74E-02	<MDA
SR-6-B48-1	0"-6"	293	8.98E-01	8.98E-01	1.66E-01	<MDA	7.50E-02	<MDA
SR-6-B48-2	6"15'	330	1.49E+00	1.49E+00	1.54E-01	<MDA	6.16E-02	<MDA
SR-6-B48-3	15"-24"	373	4.05E-01	4.05E-01	9.80E-02	<MDA	8.26E-02	<MDA
SR-6-B49-1	0"-6"	350	6.30E-01	6.30E-01	1.03E-01	<MDA	3.82E-01	<MDA
SR-6-B49-2	6"15'	461	4.38E-01	4.38E-01	9.97E-02	<MDA	8.06E-02	<MDA
SR-6-B49-3	15"-24"	354	8.74E-01	8.74E-01	1.65E-01	<MDA	8.70E-02	<MDA
SR-6-B50-1	0"-6"	363	7.27E-01	7.27E-01	1.14E-01	<MDA	3.68E-02	<MDA
SR-6-B50-2	6"15'	336	9.18E-01	9.18E-01	1.58E-01	<MDA	7.26E-02	<MDA
SR-6-B50-3	15"-24"	377	1.94E+00	1.94E+00	2.23E-01	<MDA	6.47E-02	<MDA

SR-6 Plum Brook Stream Bed from Clark Rd to Taylorbrook Lane. (Section B Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR-6-B51-1	0"-6"	475	<MDA	3.32E-02	<MDA	<MDA	4.63E-02	<MDA
SR-6-B51-2	6"15'	471	<MDA	4.39E-02	<MDA	<MDA	3.78E-02	<MDA
SR-6-B52-1	0"-6"	300	4.29E-01	4.29E-01	1.13E-01	<MDA	8.14E-02	<MDA
SR-6-B52-2	6"15'	353	1.79E+00	1.79E+00	2.19E-01	<MDA	6.24E-02	<MDA
SR-6-B52-3	15"-24"	381	1.90E+00	1.90E+00	2.18E-01	<MDA	6.40E-02	<MDA
SR-6-B59-1	0"-6"	434	<MDA	5.48E-02	<MDA	<MDA	5.66E-02	<MDA
SR-6-B59-2	6"15'	457	<MDA	7.13E-02	<MDA	<MDA	4.86E-02	<MDA
SR-6-B59-3	15"-24"	465	1.10E-01	1.10E-01	6.23E-02	<MDA	5.29E-02	<MDA
SR-6-B60-1	0"-6"	336	6.03E-01	6.03E-01	1.17E-01	<MDA	1.16E-01	<MDA
SR-6-B60-2	6"15'	309	1.81E+00	1.81E+00	2.19E-01	<MDA	7.20E-02	<MDA
SR-6-B61-1	0"-6"	426	3.43E-01	3.43E-01	7.82E-02	<MDA	5.80E-02	<MDA
SR-6-B61-2	6"15'	392	5.88E-01	5.88E-01	1.18E-01	<MDA	8.30E-02	<MDA
SR-6-B62-1	0"-6"	350	1.81E+00	1.81E+00	2.27E-01	<MDA	7.02E-02	<MDA
SR-6-B62-1Q	0"-6"	329	1.81E+00	1.81E+00	2.21E-01	<MDA	6.74E-02	<MDA
SR-6-B62-2	6"15'	415	2.84E+00	2.84E+00	2.53E-01	1.39E-01	1.39E-01	4.92E-02
SR-6-B62-2Q	6"15'	400	2.83E+00	2.83E+00	2.72E-01	<MDA	1.07E-01	<MDA
SR-6-B62-3	15"-24"	420	2.61E+00	2.61E+00	2.46E-01	<MDA	5.28E-02	<MDA
SR-6-B62-3Q	15"-24"	412	2.58E+00	2.58E+00	2.38E-01	<MDA	7.97E-02	<MDA
SR-6-B63-1	0"-6"	348	9.35E-01	9.35E-01	1.54E-01	<MDA	7.07E-02	<MDA
SR-6-B63-2	6"15'	398	1.58E+00	1.58E+00	1.92E-01	7.01E-02	7.01E-02	0.0385
SR-6-B63-3	15"-24"	327	2.53E+00	2.53E+00	2.65E-01	1.01E-01	1.01E-01	4.25E-02
SR-6-B64-1	0"-6"	352	9.87E-01	9.87E-01	1.67E-01	<MDA	6.32E-02	<MDA
SR-6-B64-2	6"15'	366	2.12E+00	2.12E+00	2.20E-01	<MDA	8.98E-02	<MDA
SR-6-B64-3	15"-24"	379	6.64E-01	6.64E-01	1.39E-01	<MDA	5.86E-02	<MDA
SR-6-B65-1	0"-6"	349	7.49E-01	7.49E-01	1.36E-01	1.12E-01	1.12E-01	5.01E-02
SR-6-B65-2	6"15'	362	1.94E+00	1.94E+00	2.28E-01	1.26E-01	1.26E-01	4.49E-02
SR-6-B65-3	15"-24"	354	8.46E-01	8.46E-01	1.44E-01	7.70E-02	7.70E-02	3.58E-02
SR-6-B66-1	0"-6"	377	7.85E-01	7.85E-01	1.35E-01	<MDA	5.90E-02	<MDA
SR-6-B66-2	6"15'	297	8.13E-01	8.13E-01	1.60E-01	<MDA	7.56E-02	<MDA
SR-6-B67-1	0"-6"	369	1.03E+00	1.03E+00	1.75E-01	<MDA	6.02E-02	<MDA
SR-6-B67-2	6"15'	411	3.71E+00	3.71E+00	2.84E-01	<MDA	7.09E-02	<MDA
SR-6-B67-3	15"-24"	373	8.34E-01	8.34E-01	1.31E-01	6.99E-02	6.99E-02	3.30E-02
SR-6-B68-1	0"-6"	356	1.19E+00	1.19E+00	1.81E-01	<MDA	7.58E-02	<MDA
SR-6-B68-2	6"15'	400	3.97E+00	3.97E+00	2.99E-01	<MDA	7.58E-02	<MDA
SR-6-B68-3	15"-24"	401	2.72E+00	2.72E+00	2.50E-01	1.54E-01	1.54E-01	4.75E-02
SR-6-B69-1	0"-6"	419	1.39E-01	1.39E-01	5.87E-02	<MDA	5.35E-02	<MDA
SR-6-B69-2	6"15'	420	<MDA	4.54E-02	<MDA	<MDA	5.86E-02	<MDA
SR-6-B69-3	15"-24"	424	<MDA	6.45E-02	<MDA	<MDA	5.30E-02	<MDA
SR-6-B70-1	0"-6"	358	6.83E-01	6.83E-01	1.32E-01	1.23E-01	1.23E-01	5.29E-02
SR-6-B70-1Q	0"-6"	338	7.10E-01	7.10E-01	1.30E-01	<MDA	7.28E-02	<MDA
SR-6-B70-2	6"15'	352	1.26E+00	1.26E+00	1.73E-01	<MDA	6.38E-02	<MDA

SR-6 Plum Brook Stream Bed from Clark Rd to Taylorbrook Lane. (Section B Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR-6-B70-2Q	6"15'	317	1.21E+00	1.21E+00	1.78E-01	<MDA	7.75E-02	<MDA
SR-6-B70-3	15"-24"	360	1.66E+00	1.66E+00	2.23E-01	1.18E-01	1.18E-01	4.41E-02
SR-6-B70-3Q	15"-24"	342	1.54E+00	1.54E+00	2.06E-01	<MDA	1.17E-01	<MDA
SR-6-B71-1	0"-6"	279	6.95E-01	6.95E-01	1.50E-01	<MDA	8.03E-02	<MDA
SR-6-B71-2	6"15'	288	1.15E+00	1.15E+00	1.85E-01	<MDA	8.53E-02	<MDA
SR-6-B71-3	15"-24"	306	1.48E+00	1.48E+00	2.07E-01	<MDA	7.26E-02	<MDA
SR-6-B72-1	0"-6"	371	4.44E-01	4.44E-01	9.54E-02	<MDA	6.05E-02	<MDA
SR-6-B72-2	6"15'	396	2.19E-01	2.19E-01	7.65E-02	<MDA	6.21E-02	<MDA
SR-6-B72-3	15"-24"	435	1.28E-01	1.28E-01	8.22E-02	<MDA	5.10E-02	<MDA
SR-6-B73-1	0"-6"	360	4.41E-01	4.41E-01	1.36E-01	<MDA	6.16E-02	<MDA
SR-6-B73-2	6"15'	371	4.95E-01	4.95E-01	1.07E-01	<MDA	6.63E-02	<MDA
SR-6-B73-3	15"-24"	341	4.52E-01	4.52E-01	1.13E-01	<MDA	6.51E-02	<MDA
SR-6-B74-1	0"-6"	370	1.07E+00	1.07E+00	1.65E+00	1.11E-01	1.11E-01	4.47E-02
SR-6-B74-2	6"15'	430	2.83E-01	2.83E-01	8.02E-02	<MDA	5.73E-02	<MDA
SR-6-B74-3	15"-24"	463	<MDA	9.10E-02	<MDA	<MDA	4.79E-02	<MDA
SR-6-B75-1	0"-6"	400	6.32E-01	6.32E-01	1.21E-01	<MDA	5.54E-02	<MDA
SR-6-B75-1Q	0"-6"	393	4.17E-01	4.17E-01	1.08E-01	<MDA	5.71E-02	<MDA
SR-6-B75-2	6"15'	419	1.98E-01	1.98E-01	8.06E-02	<MDA	5.88E-02	<MDA
SR-6-B75-2Q	6"15'	399	3.57E-01	3.57E-01	9.48E-02	<MDA	5.56E-02	<MDA
SR-6-B75-3	15"-24"	429	1.66E-01	1.66E-01	8.79E-02	<MDA	5.23E-02	<MDA
SR-6-B75-3Q	15"-24"	423	<MDA	5.87E-02	<MDA	<MDA	5.82E-02	<MDA
SR-6-B76-1	0"-6"	350	7.70E-01	7.70E-01	1.48E-01	<MDA	6.40E-02	<MDA
SR-6-B76-2	6"15'	424	8.54E-01	8.54E-01	1.41E-01	1.02E-01	1.02E-01	5.69E-02
SR-6-B76-3	15"-24"	423	2.20E-01	2.20E-01	7.29E-02	<MDA	5.24E-02	<MDA
SR-6-B77-1	0"-6"	258	8.13E-01	8.13E-01	1.67E-01	<MDA	8.68E-02	<MDA
SR-6-B77-2	6"15'	357	1.18E+00	1.18E+00	1.77E-01	<MDA	6.89E-02	<MDA
SR-6-B78-1	0"-6"	344	8.00E-01	8.00E-01	1.55E-01	<MDA	6.52E-02	<MDA
SR-6-B78-2	6"15'	440	5.30E-01	5.30E-01	1.07E-01	<MDA	5.59E-02	<MDA
SR-6-B78-3	15"-24"	390	3.02E-01	3.02E-01	1.13E-01	<MDA	5.69E-02	<MDA
SR-6-B79-1	0"-6"	286	6.28E-01	6.28E-01	1.37E-01	<MDA	7.84E-02	<MDA
SR-6-B79-2	6"15'	321	7.84E-01	7.84E-01	1.63E-01	<MDA	7.68E-02	<MDA
SR-6-B79-3	15"-24"	355	1.28E+00	1.28E+00	1.80E-01	<MDA	6.25E-02	<MDA
SR-6-B80-1	0"-6"	320	5.49E-01	5.49E-01	1.22E-01	<MDA	7.00E-02	<MDA
SR-6-B80-2	6"15'	362	7.00E-01	7.00E-01	1.25E-01	<MDA	8.33E-02	<MDA
SR-6-B81-1	0"-6"	351	2.22E-01	2.22E-01	9.31E-02	<MDA	6.39E-02	<MDA
SR-6-B81-2	6"15'	380	<MDA	5.36E-02	<MDA	<MDA	6.48E-02	<MDA
SR-6-B81-3	15"-24"	390	9.50E-02	9.50E-02	4.37E-02	<MDA	5.69E-02	<MDA
SR-6-B82-1	0"-6"	378	<MDA	7.66E-02	<MDA	<MDA	5.94E-02	<MDA
SR-6-B82-2	6"15'	431	<MDA	4.21E-02	<MDA	<MDA	5.16E-02	<MDA
SR-6-B82-3	15"-24"	442	4.24E-02	4.24E-02	2.69E-02	<MDA	5.09E-02	<MDA
SR-6-B83-1	0"-6"	289	5.16E-01	5.16E-01	1.34E-01	1.05E-01	1.05E-01	4.59E-01

SR-6 Plum Brook Stream Bed from Clark Rd to Taylorbrook Lane. (Section B Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR-6-B83-2	6"15'	282	7.75E-01	7.75E-01	1.66E-01	<MDA	7.88E-02	<MDA
SR-6-B83-3	15"-24"	366	5.71E+00	5.71E+00	4.25E-01	1.53E-01	1.53E-01	6.16E-02
SR-6-B84-1	0"-6"	327	7.09E-01	7.09E-01	1.64E-01	<MDA	6.87E-02	<MDA
SR-6-B84-2	6"15'	370	1.75E+00	1.75E+00	1.98E-01	<MDA	7.12E-02	<MDA
SR-6-B84-3	15"-24"	396	4.98E+00	4.98E+00	3.51E-01	<MDA	5.68E-02	<MDA
SR-6-B85-1	0"-6"	324	2.08E+00	2.08E+00	2.64E-01	<MDA	6.92E-02	<MDA
SR-6-B85-2	6"15'	352	3.01E+00	3.01E+00	2.70E-01	<MDA	6.31E-02	<MDA
SR-6-B85-3	15"-24"	411	7.74E-01	7.74E-01	1.20E-01	<MDA	7.28E-02	<MDA
SR-6-B86-1	0"-6"	366	4.85E-01	4.85E-01	1.15E-01	<MDA	6.07E-02	<MDA
SR-6-B86-2	6"15'	345	2.42E+00	2.42E+00	2.48E-01	<MDA	6.85E-02	<MDA
SR-6-B86-3	15"-24"	365	1.80E+00	1.80E+00	2.09E-01	1.16E-01	1.16E-01	4.41E-02
SR-6-B87-1	0"-6"	395	4.89E-01	4.89E-01	9.71E-02	<MDA	5.69E-02	<MDA
SR-6-B87-2	6"15'	389	2.26E-01	2.26E-01	8.02E-02	<MDA	5.71E-02	<MDA
SR-6-B87-3	15"-24"	389	<MDA	9.90E-02	<MDA	<MDA	5.78E-02	<MDA
SR-6-B88-1	0"-6"	360	8.02E-01	8.02E-01	1.43E-01	<MDA	7.81E-02	<MDA
SR-6-B88-2	6"15'	429	3.40E+00	3.40E+00	2.77E-01	1.24E-01	1.24E-01	4.35E-02
SR-6-B88-3	15"-24"	407	8.69E-01	8.69E-01	1.44E-01	<MDA	5.51E-02	<MDA
SR-6-B89-1	0"-6"	248	4.91E-01	4.91E-01	1.41E-01	<MDA	8.97E-02	<MDA
SR-6-B89-2	6"15'	244	6.87E-01	6.87E-01	1.68E-01	<MDA	9.23E-02	<MDA
SR-6-B90-1	0"-6"	388	1.17E-01	1.17E-01	6.76E-02	<MDA	6.34E-02	<MDA
SR-6-B90-2	6"15'	450	<MDA	6.12E-02	<MDA	<MDA	4.93E-02	<MDA
SR-6-B90-3	15"-24"	427	<MDA	4.62E-02	<MDA	<MDA	5.25E-02	<MDA
SR-6-B91-1	0"-6"	293	2.20E+00	2.20E+00	2.54E-01	<MDA	1.02E-01	<MDA
SR-6-B91-2	6"15'	367	5.00E+00	5.00E+00	3.90E-01	1.89E-01	1.89E-01	6.68E-02
SR-6-B91-3	15"-24"	337	1.05E+00	1.05E+00	1.80E-01	<MDA	9.22E-02	<MDA
SR-6-B92-1	0"-6"	411	1.33E-01	1.33E-01	4.98E-02	<MDA	5.99E-02	<MDA
SR-6-B92-2	6"15'	410	6.82E-02	6.82E-02	4.67E-02	6.94E-02	6.94E-02	3.13E-02
SR-6-B92-3	15"-24"	405	6.01E-02	6.01E-02	4.19E-02	<MDA	7.57E-02	<MDA
Number		271	241	271	241	42	270	42
Min		244.0	4.24E-02	3.32E-02	2.69E-02	6.50E-02	2.64E-02	3.13E-02
Max		505.0	5.71E+00	5.71E+00	1.65E+00	1.89E-01	3.82E-01	4.59E-01
Avg		384.6	1.02E+00	9.14E-01	1.53E-01	1.07E-01	7.18E-02	5.52E-02
SD		47.70	9.32E-01	9.29E-01	1.18E-01	3.03E-02	3.00E-02	6.45E-02

SR-7 Plum Brook Stream Bed from Taylorbrook Lane to Bogart Rd. (Section C Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR7-C1-1	0"-6"	379	3.60E-01	3.60E-01	8.66E-02	<MDA	5.87E-02	<MDA
SR7-C1-2	6"15'	322	7.79E-01	7.79E-01	1.52E-01	7.43E-02	7.43E-02	3.86E-02
SR7-C1-3	15"-24"	327	9.51E-01	9.51E-01	1.70E-01	<MDA	6.81E-02	<MDA
SR7-C2-1	0"-6"	336	4.55E+00	4.55E+00	3.76E-01	1.69E-01	1.69E-01	8.24E-02
SR7-C2-2	6"15'	389	7.24E+00	7.24E+00	4.38E-01	<MDA	9.76E-02	<MDA
SR7-C2-3	15"-24"	380	3.61E+00	3.61E+00	2.89E-01	1.45E-01	1.45E-01	6.83E-02
SR7-C3-1	0"-6"	416	2.00E-01	2.00E-01	8.82E-02	<MDA	9.30E-03	<MDA
SR7-C3-2	6"15'	433	<MDA	7.41E-02	<MDA	<MDA	5.14E-02	<MDA
SR7-C3-3	15"-24"	417	6.43E-02	6.43E-02	4.55E-02	<MDA	6.23E-02	<MDA
SR7-C4-1	0"-6"	378	4.76E-01	4.76E-01	1.05E-01	<MDA	8.25E-02	<MDA
SR7-C4-2	6"15'	491	1.28E+00	1.28E+00	1.56E-01	<MDA	7.75E-02	<MDA
SR7-C4-3	15"-24"	448	1.21E+00	1.21E+00	1.53E-01	<MDA	5.02E-02	<MDA
SR7-C5-1	0"-6"	406	2.51E-01	2.51E-01	7.64E-02	<MDA	6.08E-02	<MDA
SR7-C5-2	6"15'	408	4.21E-01	4.21E-01	1.00E-01	<MDA	5.46E-02	<MDA
SR7-C6-1	0"-6"	385	2.56E+00	2.56E+00	2.55E-01	<MDA	6.42E-02	<MDA
SR7-C6-2	6"15'	369	2.44E+01	2.44E+01	9.87E-01	4.24E-01	4.24E-01	1.01E-01
SR7-C6-3	15"-24"	387	7.56E+00	7.56E+00	4.33E-01	2.74E-01	2.74E-01	6.44E-02
SR7-C7-1	0"-6"	351	1.21E+01	1.21E+01	6.25E-01	2.55E-01	2.55E-01	6.56E-02
SR7-C7-2	6"15'	317	2.96E+00	2.96E+00	3.09E-01	1.71E-01	1.71E-01	5.91E-02
SR7-C7-3	15"-24"	319	7.77E-01	7.77E-01	1.40E-01	<MDA	9.78E-02	<MDA
SR7-C8-1	0"-6"	343	1.31E+00	1.31E+00	1.85E-01	1.30E-01	1.30E-01	4.96E-02
SR7-C8-2	6"15'	383	6.94E-01	6.94E-01	1.28E-01	<MDA	5.81E-02	<MDA
SR7-C9-1	0"-6"	350	7.09E-01	7.09E-01	1.48E-01	<MDA	6.35E-02	<MDA
SR7-C9-2	6"15'	389	6.51E-01	6.51E-01	1.24E-01	<MDA	8.67E-02	<MDA
SR7-C9-3	15"-24"	425	<MDA	1.28E-01	<MDA	<MDA	5.23E-02	<MDA
SR7-C10-1	0"-6"	354	1.65E+00	1.65E+00	1.98E-01	<MDA	6.36E-02	<MDA
SR7-C10-2	6"15'	376	6.35E+00	6.35E+00	4.50E-01	<MDA	9.60E-02	<MDA
SR7-C10-3	15"-24"	382	3.50E+00	3.50E+00	2.93E-01	1.50E-01	1.50E-01	6.91E-02
SR7-C11-1	0"-6"	338	7.83E-01	7.83E-01	1.41E-01	<MDA	7.30E-02	<MDA
SR7-C11-2	6"15'	378	3.11E+00	3.11E+00	2.67E-01	<MDA	5.89E-02	<MDA
SR7-C12-1	0"-6"	473	2.34E-01	2.34E-01	7.76E-02	<MDA	6.58E-02	<MDA
SR7-C12-1Q	0"-6"	394	2.73E-01	2.73E-01	8.52E-02	<MDA	5.64E-02	<MDA
SR7-C12-2	6"15'	427	1.18E-01	1.18E-01	5.57E-02	<MDA	5.27E-02	<MDA
SR7-C12-2Q	6"15'	396	9.06E-02	9.06E-02	5.32E-02	<MDA	6.22E-02	<MDA
SR7-C12-3	15"-24"	377	1.12E-01	1.12E-01	8.33E-02	9.88E-02	9.88E-02	4.82E-02
SR7-C12-3Q	15"-24"	395	2.36E-01	2.36E-01	7.21E-02	<MDA	6.90E-03	<MDA
SR7-C13-1	0"-6"	383	<MDA	8.57E-02		<MDA	5.81E-02	<MDA
SR7-C13-2	6"15'	378	7.58E-02	7.58E-02	4.52E-02	<MDA	6.53E-02	<MDA
SR7-C13-3	15"-24"	372	<MDA	7.72E-02		<MDA	5.97E-02	<MDA
SR7-C14-1	0"-6"	298	3.38E-01	3.38E-01	1.11E-01	<MDA	8.28E-02	<MDA
SR7-C14-2	6"15'	292	5.74E-01	5.74E-01	1.25E-01	<MDA	7.61E-02	<MDA

SR-7 Plum Brook Stream Bed from Taylorbrook Lane to Bogart Rd. (Section C Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR7-C14-3	15"-24"	311	6.20E-01	6.20E-01	1.37E-01	<MDA	7.23E-02	<MDA
SR7-C15-1	0"-6"	441	2.36E+00	2.36E+00	2.28E-01	<MDA	5.60E-02	<MDA
SR7-C15-2	6"15'	474	1.02E+00	1.02E+00	1.33E-01	6.30E-02	6.30E-02	0.0278
SR7-C16-1	0"-6"	379	5.26E-01	5.26E-01	1.13E-01	<MDA	9.40E-03	<MDA
SR7-C16-2	6"15'	410	1.63E-01	1.63E-01	6.71E-02	<MDA	6.02E-02	<MDA
SR7-C16-3	15"-24"	418	8.47E-02	8.47E-02	5.65E-02	<MDA	5.32E-02	<MDA
SR7-C17-1	0"-6"	426	4.32E-01	4.32E-01	9.56E-02	<MDA	5.28E-02	<MDA
SR7-C17-2	6"15'	399	5.43E-01	5.43E-01	1.08E-01	<MDA	5.64E-02	<MDA
SR7-C17-3	15"-24"	332	8.14E-01	8.14E-01	1.40E-01	1.11E-01	1.11E-01	0.0471
SR7-C18-1	0"-6"	362	5.64E-01	5.64E-01	1.27E-01	<MDA	6.22E-02	<MDA
SR7-C18-2	6"15'	311	6.08E-01	6.08E-01	1.24E-01	<MDA	7.94E-02	<MDA
SR7-C18-3	15"-24"	338	1.51E+00	1.51E+00	2.00E-01	<MDA	6.59E-02	<MDA
SR7-C19-1	0"-6"	372	4.57E-01	4.57E-01	1.08E-01	<MDA	7.55E-02	<MDA
SR7-C19-2	6"15'	365	5.34E-01	5.34E-01	1.25E-01	<MDA	9.73E-02	<MDA
SR7-C19-3	15"-24"	385	6.96E-01	6.96E-01	1.37E-01	<MDA	6.41E-02	<MDA
SR7-C20-1	0"-6"	419	1.70E-01	1.70E-01	7.48E-02	<MDA	6.37E-02	<MDA
SR7-C20-1Q	0"-6"	386	9.56E-02	9.56E-02	5.23E-02	<MDA	7.03E-02	<MDA
SR7-C20-2	6"15'	389	2.12E-01	2.12E-01	8.34E-02	<MDA	5.72E-02	<MDA
SR7-C20-2Q	6"15'	404	2.60E-01	2.60E-01	9.63E-02	<MDA	5.57E-02	<MDA
SR7-C20-3	15"-24"	418	1.31E-01	1.31E-01	4.91E-02	<MDA	6.49E-02	<MDA
SR7-C20-3Q	15"-24"	425	1.60E-01	1.60E-01	6.74E-02	<MDA	5.30E-02	<MDA
SR7-C21-1	0"-6"	308	9.32E-01	9.32E-01	1.56E-01	<MDA	7.23E-02	<MDA
SR7-C21-2	6"15'	401	7.31E-01	7.31E-01	1.21E-01	<MDA	7.77E-02	<MDA
SR7-C21-3	15"-24"	346	1.05E+00	1.05E+00	1.72E-01	<MDA	6.43E-02	<MDA
SR7-C22-1	0"-6"	397	6.66E-01	6.66E-01	1.16E-01	<MDA	6.21E-02	<MDA
SR7-C22-2	6"15'	310	4.71E+00	4.71E+00	3.68E-01	2.01E-01	2.01E-01	0.0626
SR7-C22-3	15"-24"	352	9.48E-01	9.48E-01	1.60E-01	<MDA	6.40E-02	<MDA
SR7-C23-1	0"-6"	306	5.25E-01	5.25E-01	1.35E-01	<MDA	8.71E-02	<MDA
SR7-C23-2	6"15'	295	5.58E-01	5.58E-01	1.37E-01	<MDA	8.38E-02	<MDA
SR7-C23-3	15"-24"	321	6.20E-01	6.20E-01	1.40E-01	<MDA	6.93E-02	<MDA
SR7-C24-1	0"-6"	336	<MDA	1.65E-01	<MDA	<MDA	7.35E-02	<MDA
SR7-C24-2	6"15'	348	2.13E-01	2.13E-01	8.57E-02	<MDA	6.40E-02	<MDA
SR7-C24-3	15"-24"	362	<MDA	6.80E-02	<MDA	<MDA	6.22E-02	<MDA
SR7-C25-1	0"-6"	342	8.22E-01	8.22E-01	1.46E-01	1.96E-01	1.96E-01	0.0839
SR7-C25-2	6"15'	346	1.25E+00	1.25E+00	1.82E-01	1.42E-01	1.42E-01	0.0517
SR7-C25-3	15"-24"	407	1.53E+00	1.53E+00	1.91E-01	<MDA	5.46E-02	<MDA
SR7-C26-1	0"-6"	400	6.32E-02	6.32E-02	3.89E-02	8.40E-02	8.40E-02	0.0507
SR7-C26-2	6"15'	403	<MDA	8.84E-02	<MDA	<MDA	6.13E-02	<MDA
SR7-C26-3	15"-24"	400	<MDA	8.51E-02	<MDA	<MDA	5.57E-02	<MDA
SR7-C27-1	0"-6"	299	7.59E-01	7.59E-01	1.50E-01	<MDA	7.54E-02	<MDA
SR7-C27-2	6"15'	367	9.99E-01	9.99E-01	1.50E-01	<MDA	6.73E-02	<MDA
SR7-C27-3	15"-24"	309	7.85E-01	7.85E-01	1.48E-01	<MDA	7.22E-02	<MDA

SR-7 Plum Brook Stream Bed from Taylorbrook Lane to Bogart Rd. (Section C Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR7-C28-1	0"-6"	349	5.04E-01	5.04E-01	1.21E-01	<MDA	6.45E-02	<MDA
SR7-C28-2	6"15'	409	1.14E+00	1.14E+00	1.66E-01	8.27E-02	8.27E-02	0.0366
SR7-C28-3	15"-24"	392	5.29E-01	5.29E-01	1.28E-01	<MDA	5.68E-02	<MDA
SR7-C29-1	0"-6"	364	1.95E+00	1.95E+00	2.24E-01	<MDA	6.18E-02	<MDA
SR7-C29-2	6"15'	411	1.12E+00	1.12E+00	1.58E-01	<MDA	6.01E-02	<MDA
SR7-C29-3	15"-24"	484	1.86E+00	1.86E+00	1.94E-01	<MDA	6.73E-02	<MDA
SR7-C30-1	0"-6"	290	4.04E-01	4.04E-01	1.13E-01	<MDA	7.76E-02	<MDA
SR7-C30-1Q	0"-6"	286	3.83E-01	3.83E-01	1.02E-01	<MDA	8.64E-02	<MDA
SR7-C30-2	6"15'	340	4.34E-01	4.34E-01	1.26E-01	<MDA	6.55E-02	<MDA
SR7-C30-2Q	6"15'	331	4.11E-01	4.11E-01	1.24E-01	<MDA	6.81E-02	<MDA
SR7-C30-3	15"-24"	331	4.92E-01	4.92E-01	1.08E-01	<MDA	8.54E-02	<MDA
SR7-C30-3Q	15"-24"	315	4.48E-01	4.48E-01	1.17E-01	<MDA	7.06E-02	<MDA
SR7-C31-1	0"-6"	302	6.58E-01	6.58E-01	1.29E-01	<MDA	7.47E-02	<MDA
SR7-C31-2	6"15'	280	1.13E+00	1.13E+00	1.89E-01	<MDA	8.83E-02	<MDA
SR7-C31-3	15"-24"	311	1.70E+00	1.70E+00	2.24E-01	<MDA	7.16E-02	<MDA
SR7-C32-1	0"-6"	340	1.64E+00	1.64E+00	2.20E-01	<MDA	6.63E-02	<MDA
SR7-C32-2	6"15'	358	7.32E-01	7.32E-01	1.53E-01	<MDA	6.90E-02	<MDA
SR7-C32-3	15"-24"	404	6.60E-01	6.60E-01	1.15E-01	1.04E-01	1.04E-01	0.0512
SR7-C33-1	0"-6"	284	1.57E+00	1.57E+00	2.14E-01	<MDA	1.16E-01	<MDA
SR7-C33-2	6"15'	305	1.80E+00	1.80E+00	2.42E-01	<MDA	8.11E-02	<MDA
SR7-C33-3	15"-24"	358	1.98E+00	1.98E+00	2.32E-01	<MDA	6.23E-02	<MDA
SR7-C34-1	0"-6"	311	5.69E-01	5.69E-01	1.34E-01	<MDA	7.16E-02	<MDA
SR7-C34-2	6"15'	276	2.99E+00	2.99E+00	3.09E-01	<MDA	1.27E-01	<MDA
SR7-C35-1	0"-6"	336	7.72E-01	7.72E-01	1.52E-01	8.01E-02	8.01E-02	0.0421
SR7-C35-2	6"15'	323	8.08E-01	8.08E-01	1.53E-01	<MDA	7.65E-02	<MDA
SR7-C36-1	0"-6"	360	3.78E-01	3.78E-01	1.12E-01	<MDA	6.26E-02	<MDA
SR7-C36-2	6"15'	369	4.72E-01	4.72E-01	1.10E-01	<MDA	6.70E-02	<MDA
SR7-C36-3	15"-24"	416	1.91E+00	1.91E+00	2.17E-01	<MDA	5.35E-02	<MDA
SR7-C37-1	0"-6"	343	8.03E-01	8.03E-01	1.47E-01	<MDA	6.90E-02	<MDA
SR7-C37-2	6"15'	355	8.92E-01	8.92E-01	1.69E-01	<MDA	7.68E-02	<MDA
SR7-C38-1	0"-6"	403	2.45E+00	2.45E+00	2.26E-01	1.21E-01	1.21E-01	4.52E-02
SR7-C38-2	6"15'	439	1.00E+00	1.00E+00	1.47E-01	<MDA	8.25E-02	<MDA
SR7-C38-3	15"-24"	463	4.06E-01	4.06E-01	9.79E-02	<MDA	4.81E-02	<MDA
SR7-C39-1	0"-6"	272	9.36E-01	9.36E-01	1.74E-01	<MDA	8.27E-02	<MDA
SR7-C39-2	6"15'	238	7.59E-01	7.59E-01	1.86E-01	<MDA	9.35E-02	<MDA
SR7-C39-3	15"-24"	309	4.93E-01	4.93E-01	1.17E-01	<MDA	7.99E-02	<MDA
SR7-C40-1	0"-6"	377	1.39E+00	1.39E+00	1.86E-01	<MDA	5.98E-02	<MDA
SR7-C40-2	6"15'	398	4.51E+00	4.51E+00	3.56E-01	1.18E-01	1.18E-01	4.74E-02
SR7-C40-3	15"-24"	386	1.33E+00	1.33E+00	1.72E-01	<MDA	5.77E-02	<MDA
SR7-C41-1	0"-6"	404	1.06E+00	1.06E+00	1.71E-01	8.31E-02	8.31E-02	3.50E-02
SR7-C41-2	6"15'	390	1.11E+00	1.11E+00	1.60E-01	8.80E-02	8.80E-02	4.59E-02
SR7-C41-3	15"-24"	411	1.02E+00	1.02E+00	1.54E-01	<MDA	5.42E-02	<MDA

SR-7 Plum Brook Stream Bed from Taylorbrook Lane to Bogart Rd. (Section C Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR7-C42-1	0"-6"	378	6.04E-01	6.04E-01	1.16E-01	<MDA	5.96E-02	<MDA
SR7-C42-2	6"15'	386	1.28E+00	1.28E+00	1.67E-01	<MDA	6.40E-02	<MDA
SR7-C42-3	15"-24"	398	2.74E+00	2.74E+00	2.47E-01	1.16E-01	1.16E-01	0.0465
SR7-C43-1	0"-6"	338	1.15E+00	1.15E+00	1.73E-01	<MDA	6.66E-02	<MDA
SR7-C43-2	6"15'	327	1.00E+00	1.00E+00	1.63E-01	<MDA	7.56E-02	<MDA
SR7-C43-3	15"-24"	427	5.01E-01	5.01E-01	1.07E-01	<MDA	5.21E-02	<MDA
SR7-C44-1	0"-6"	353	1.79E+00	1.79E+00	2.09E-01	<MDA	6.38E-02	<MDA
SR7-C44-1Q	0"-6"	374	1.26E+00	1.26E+00	1.74E-01	<MDA	6.61E-02	<MDA
SR7-C44-2	6"15'	350	<MDA	6.91E-02		<MDA	7.08E-02	<MDA
SR7-C44-2Q	6"15'	358	1.25E-01	1.25E-01	8.05E-02	6.69E-02	6.69E-02	0.0348
SR7-C44-3	15"-24"	355	1.32E-01	1.32E-01	6.61E-02	<MDA	6.28E-02	<MDA
SR7-C44-3Q	15"-24"	364	1.96E-01	1.96E-01	6.37E-02	<MDA	6.20E-02	<MDA
SR7-C45-1	0"-6"	464	1.43E+00	1.43E+00	1.65E-01	<MDA	4.86E-02	<MDA
SR7-C45-2	6"15'	444	1.48E+00	1.48E+00	1.88E-01	<MDA	5.57E-02	<MDA
SR7-C45-3	15"-24"	428	1.33E+00	1.33E+00	1.66E-01	1.05E-01	1.05E-01	4.03E-02
SR7-C46-1	0"-6"	354	9.89E-01	9.89E-01	1.68E-01	9.04E-02	9.04E-02	4.06E-02
SR7-C46-2	6"15'	401	3.42E+00	3.42E+00	2.87E-01	1.31E-01	1.31E-01	4.77E-02
SR7-C47-1	0"-6"	359	1.19E+00	1.19E+00	1.71E-01	<MDA	6.29E-02	<MDA
SR7-C47-2	6"15'	456	2.19E+00	2.19E+00	2.20E-01	8.78E-02	8.78E-02	3.53E-02
SR7-C47-3	15"-24"	450	2.41E+00	2.41E+00	2.35E-01	<MDA	4.96E-02	<MDA
SR7-C48-1	0"-6"	380	1.86E+00	1.86E+00	2.00E-01	<MDA	5.94E-02	<MDA
SR7-C48-2	6"15'	414	9.16E-01	9.16E-01	1.48E-01	<MDA	5.97E-02	<MDA
SR7-C49-1	0"-6"	519	1.38E+00	1.38E+00	1.57E-01	<MDA	4.35E-02	<MDA
SR7-C49-2	6"15'	498	1.67E+00	1.67E+00	1.85E-01	<MDA	5.67E-02	<MDA
SR7-C50-1	0"-6"	417	1.30E+00	1.30E+00	1.60E-01	<MDA	5.34E-02	<MDA
SR7-C50-2	6"15'	410	1.82E+00	1.82E+00	2.02E-01	1.25E-01	1.25E-01	4.46E-02
SR7-C50-3	15"-24"	441	6.50E-01	6.50E-01	1.28E-01	<MDA	5.06E-02	<MDA
SR7-C51-1	0"-6"	301	1.17E+00	1.17E+00	1.91E-01	<MDA	7.79E-02	<MDA
SR7-C51-2	6"15'	363	1.09E+00	1.09E+00	1.71E-01	<MDA	6.21E-02	<MDA
SR7-C51-3	15"-24"	341	1.39E+00	1.39E+00	2.00E-01	<MDA	7.26E-02	<MDA
SR7-C52-1	0"-6"	346	1.01E+00	1.01E+00	1.62E-01	<MDA	6.52E-02	<MDA
SR7-C52-2	6"15'	377	2.43E-01	2.43E-01	7.73E-02	<MDA	6.58E-02	<MDA
SR7-C52-3	15"-24"	355	<MDA	6.05E-02		<MDA	6.29E-02	<MDA
SR7-C53-1	0"-6"	356	1.96E+00	1.96E+00	2.24E-01	<MDA	6.28E-02	<MDA
SR7-C53-2	6"15'	412	8.60E+00	8.60E+00	4.57E-01	1.64E-01	1.64E-01	6.99E-02
SR7-C54-1	0"-6"	374	3.60E+00	3.60E+00	2.94E-01	<MDA	6.03E-02	<MDA
SR7-C54-2	6"15'	411	1.41E+00	1.41E+00	1.86E-01	<MDA	6.02E-02	<MDA
SR7-C54-3	15"-24"	455	2.17E-01	2.17E-01	7.01E-02	<MDA	4.91E-02	<MDA
SR7-C55-1	0"-6"	441	1.67E+00	1.67E+00	1.89E-01	1.10E-01	1.10E-01	5.01E-02
SR7-C55-2	6"15'	455	1.99E+00	1.99E+00	2.06E-01	<MDA	4.90E-02	<MDA
SR7-C55-3	15"-24"	461	1.56E+00	1.56E+00	1.82E-01	<MDA	7.52E-02	<MDA
SR7-C56-1	0"-6"	340	6.47E-01	6.47E-01	1.33E-01	<MDA	6.64E-02	<MDA

SR-7 Plum Brook Stream Bed from Taylorbrook Lane to Bogart Rd. (Section C Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR7-C56-2	6"15'	363	1.33E+00	1.33E+00	1.76E-01	<MDA	6.82E-02	<MDA
SR7-C56-3	15"-24"	380	1.19E+00	1.19E+00	1.79E-01	<MDA	5.88E-02	<MDA
SR7-C57-1	0"-6"	364	9.49E-01	9.49E-01	1.63E-01	<MDA	6.73E-02	<MDA
SR7-C57-2	6"15'	425	1.03E+00	1.03E+00	1.55E-01	<MDA	5.31E-02	<MDA
SR7-C57-3	15"-24"	400	1.03E+00	1.03E+00	1.57E-01	<MDA	6.19E-02	<MDA
SR7-C58-1	0"-6"	365	1.26E+00	1.26E+00	1.79E-01	<MDA	6.78E-02	<MDA
SR7-C58-2	6"15'	415	4.14E+00	4.14E+00	3.16E-01	<MDA	5.38E-02	<MDA
SR7-C58-3	15"-24"	399	2.47E-01	2.47E-01	8.01E-02	<MDA	5.65E-02	<MDA
SR7-C59-1	0"-6"	428	8.15E-01	8.15E-01	1.42E-01	<MDA	5.22E-02	<MDA
SR7-C59-2	6"15'	442	2.83E-01	2.83E-01	8.56E-02	1.11E-01	1.11E-01	3.87E-02
SR7-C59-3	15"-24"	449	3.25E-01	3.25E-01	8.89E-02	<MDA	5.52E-02	<MDA
SR7-C60-1	0"-6"	389	9.42E-01	9.42E-01	1.44E-01	<MDA	5.73E-02	<MDA
SR7-C60-2	6"15'	430	5.82E-01	5.82E-01	1.17E-01	<MDA	5.25E-02	<MDA
SR7-C60-3	15"-24"	455	3.09E-01	3.09E-01	8.87E-02	<MDA	5.44E-02	<MDA
SR7-C61-1	0"-6"	383	5.18E-01	5.18E-01	1.03E-01	<MDA	6.46E-02	<MDA
SR7-C61-2	6"15'	444	3.81E+00	3.81E+00	2.79E-01	1.43E-01	1.43E-01	0.0627
SR7-C61-3	15"-24"	438	5.09E-01	5.09E-01	1.03E-01	<MDA	8.41E-02	
SR7-C62-1	0"-6"	436	1.81E-01	1.81E-01	8.48E-02	1.18E-01	1.18E-01	0.0547
SR7-C62-1Q	0"-6"	413	1.61E-01	1.61E-01	7.87E-02	<MDA	5.41E-02	<MDA
SR7-C62-2	6"15'	394	1.58E-01	1.58E-01	6.86E-02	<MDA	5.74E-02	<MDA
SR7-C62-2Q	6"15'	411	1.34E-01	1.34E-01	5.84E-02	<MDA	6.02E-02	<MDA
SR7-C62-3	15"-24"	461	<MDA	5.34E-02	<MDA	<MDA	4.85E-02	<MDA
SR7-C62-3Q	15"-24"	444	<MDA	7.16E-02	<MDA	<MDA	5.09E-02	<MDA
SR7-C63-1	0"-6"	291	7.80E-01	7.80E-01	1.56E-01	1.04E-01	1.04E-01	0.0484
SR7-C63-2	6"15'	411	1.42E+00	1.42E+00	1.76E-01	8.44E-02	8.44E-02	0.0394
SR7-C63-3	15"-24"	411	1.57E+00	1.57E+00	1.84E-01	<MDA	5.49E-02	<MDA
SR7-C64-1	0"-6"	407	1.60E-01	1.60E-01	6.14E-02	<MDA	6.08E-02	<MDA
SR7-C64-2	6"15'	425	<MDA	6.42E-02	<MDA	<MDA	5.26E-02	<MDA
SR7-C64-3	15"-24"	426	2.01E-01	2.01E-01	7.33E-02	<MDA	5.31E-02	<MDA
SR7-C65-1	0"-6"	434	2.91E-01	2.91E-01	8.19E-02	<MDA	6.61E-02	<MDA
SR7-C65-2	6"15'	428	1.64E-01	1.64E-01	6.69E-02	<MDA	5.22E-02	<MDA
SR7-C65-3	15"-24"	431	8.44E-01	8.44E-01	1.23E-01	<MDA	5.75E-02	<MDA
SR7-C66-1	0"-6"	408	2.50E+00	2.50E+00	2.47E-01	<MDA	6.67E-02	<MDA
SR7-C66-2	6"15'	366	6.58E-01	6.58E-01	1.32E-01	<MDA	6.10E-02	<MDA
SR7-C66-3	15"-24"	427	2.31E-01	2.31E-01	7.82E-02	<MDA	6.68E-02	<MDA
SR7-C67-1	0"-6"	346	1.17E+00	1.17E+00	1.76E-01	<MDA	7.15E-02	<MDA
SR7-C67-2	6"15'	416	6.47E+00	6.47E+00	3.97E-01	1.36E-01	1.36E-01	0.0499
SR7-C67-3	15"-24"	393	8.10E-01	8.10E-01	1.41E-01	<MDA	5.75E-02	<MDA
SR7-C68-1	0"-6"	393	1.46E+00	1.46E+00	1.87E-01	<MDA	6.92E-02	<MDA
SR7-C68-2	6"15'	394	1.73E+00	1.73E+00	2.21E-01	<MDA	5.66E-02	<MDA
SR7-C69-1	0"-6"	382	2.66E+00	2.66E+00	2.61E-01	1.20E-01	1.20E-01	0.0463

SR-7 Plum Brook Stream Bed from Taylorbrook Lane to Bogart Rd. (Section C Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR7-C69-2	6"15'	403	7.73E+00	7.73E+00	4.45E-01	<MDA	7.00E-02	<MDA
SR7-C69-3	15"-24"	383	2.03E+00	2.03E+00	2.06E-01	<MDA	8.97E-02	<MDA
SR7-C70-1	0"-6"	382	2.83E+00	2.83E+00	2.57E-01	<MDA	1.23E-01	<MDA
SR7-C70-2	6"15'	391	3.42E+00	3.42E+00	2.99E-01	1.52E-01	1.52E-01	0.0614
SR7-C70-3	15"-24"	401	5.58E-01	5.58E-01	1.23E-01	<MDA	5.57E-02	<MDA
SR7-C71-1	0"-6"	341	5.78E-01	5.78E-01	1.24E-01	<MDA	7.26E-02	<MDA
SR7-C71-2	6"15'	349	1.52E+00	1.52E+00	1.99E-01	<MDA	6.40E-02	<MDA
SR7-C71-3	15"-24"	415	6.96E+00	6.96E+00	4.08E-01	<MDA	5.44E-02	<MDA
SR7-C72-1	0"-6"	430	2.86E-01	2.86E-01	7.84E-02	<MDA	5.25E-02	<MDA
SR7-C72-2	6"15'	440	3.44E-02	3.44E-02	2.44E-02	<MDA	6.18E-02	<MDA
SR7-C72-3	15"-24"	450	<MDA	4.68E-02	<MDA	<MDA	9.19E-02	<MDA
SR7-C73-1	0"-6"	353	3.51E+00	3.51E+00	3.28E-01	<MDA	1.20E-01	<MDA
SR7-C73-2	6"15'	393	6.78E+00	6.78E+00	4.03E-01	2.10E-01	2.10E-01	8.12E-02
SR7-C73-3	15"-24"	380	5.90E+00	5.90E+00	4.26E-01	2.83E-01	2.83E-01	7.73E-02
SR7-C74-1	0"-6"	378	1.13E+00	1.13E+00	1.63E-01	<MDA	5.98E-02	<MDA
SR7-C74-2	6"15'	434	2.36E+00	2.36E+00	2.32E-01	1.56E-01	1.56E-01	0.0534
SR7-C74-3	15"-24"	425	3.07E-01	3.07E-01	8.80E-02	<MDA	5.25E-02	<MDA
SR7-C75-1	0"-6"	376	6.37E+00	6.37E+00	4.03E-01	<MDA	7.00E-01	<MDA
SR7-C75-2	6"15'	394	7.94E+00	7.94E+00	4.43E-01	1.99E-01	1.99E-01	0.0594
SR7-C76-1	0"-6"	366	1.19E+00	1.19E+00	1.87E-01	<MDA	1.70E-01	<MDA
SR7-C76-2	6"15'	414	2.64E+00	2.64E+00	2.55E-01	<MDA	8.20E-03	<MDA
SR7-C76-3	15"-24"	417	3.01E-01	3.01E-01	9.08E-02	<MDA	5.35E-02	<MDA
SR7-C77-1	0"-6"	394	2.90E+00	2.90E+00	2.62E-01	<MDA	1.13E-01	<MDA
SR7-C77-2	6"15'	453	6.25E+00	6.25E+00	4.24E-01	<MDA	5.47E-02	<MDA
SR7-C77-3	15"-24"	404	3.18E+00	3.18E+00	2.68E-01	<MDA	1.19E-01	<MDA
SR7-C78-1	0"-6"	392	2.18E+00	2.18E+00	2.16E-01	<MDA	6.58E-02	<MDA
SR7-C78-2	6"15'	395	1.83E+00	1.83E+00	2.07E-01	<MDA	8.57E-02	<MDA
SR7-C78-3	15"-24"	424	1.19E+00	1.19E+00	1.64E-01	<MDA	5.26E-02	<MDA
SR7-C79-1	0"-6"	433	<MDA	4.77E-02	<MDA	<MDA	2.10E-01	<MDA
SR7-C79-2	6"15'	423	<MDA	4.29E-02	<MDA	<MDA	5.27E-02	<MDA
SR7-C80-1	0"-6"	378	1.55E+00	1.55E+00	1.95E-01	<MDA	5.98E-02	<MDA
SR7-C80-1Q	0"-6"	344	1.39E+00	1.39E+00	1.97E-01	<MDA	7.19E-02	<MDA
SR7-C80-2	6"15'	388	3.94E+00	3.94E+00	3.07E-01	<MDA	5.75E-02	<MDA
SR7-C80-2Q	6"15'	392	3.68E+00	3.68E+00	3.09E-01	<MDA	9.62E-02	<MDA
SR7-C80-3	15"-24"	396	2.43E-01	2.43E-01	7.61E-02	<MDA	5.64E-02	<MDA
SR7-C80-3Q	15"-24"	397	1.59E-01	1.59E-01	6.90E-02	<MDA	5.68E-02	<MDA
SR7-C81-1	0"-6"	453	1.07E+00	1.07E+00	1.53E-01	7.36E-02	7.36E-02	0.0362
SR7-C81-2	6"15'	475	6.69E-01	6.69E-01	1.14E-01	<MDA	4.70E-02	<MDA
SR7-C82-1	0"-6"	386	3.11E+00	3.11E+00	2.83E-01	1.05E-01	1.05E-01	4.23E-02
SR7-C82-2	6"15'	417	2.04E+00	2.04E+00	2.15E-01	<MDA	5.35E-02	<MDA
SR7-C82-3	15"-24"	381	2.31E+00	2.31E+00	2.32E-01	<MDA	9.83E-02	<MDA
SR7-C83-1	0"-6"	328	1.57E+00	1.57E+00	2.02E-01	<MDA	1.19E-01	<MDA

SR-7 Plum Brook Stream Bed from Taylorbrook Lane to Bogart Rd. (Section C Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR7-C83-2	6"15'	321	7.61E-01	7.61E-01	1.54E-01	<MDA	6.96E-02	<MDA
SR7-C83-3	15"-24"	336	1.10E-01	1.10E-01	6.52E-02	<MDA	6.72E-02	<MDA
SR7-C84-1	0"-6"	442	<MDA	4.98E-02	<MDA	<MDA	5.61E-02	<MDA
SR7-C84-2	6"15'	432	<MDA	5.16E-02	<MDA	<MDA	5.16E-02	<MDA
SR7-C84-3	15"-24"	437	<MDA	6.33E-02	<MDA	<MDA	5.17E-02	<MDA
SR7-C85-1	0"-6"	409	1.31E-01	1.31E-01	7.02E-02	1.23E-01	1.23E-01	6.39E-02
SR7-C85-1Q	0"-6"	420	<MDA	9.07E-02	<MDA	<MDA	5.32E-02	<MDA
SR7-C85-2	6"15'	431	<MDA	5.24E-02	<MDA	<MDA	6.42E-02	<MDA
SR7-C85-2Q	6"15'	406	<MDA	3.43E-02	<MDA	<MDA	6.10E-02	<MDA
SR7-C85-3	15"-24"	459	<MDA	3.13E-02	<MDA	<MDA	4.86E-02	<MDA
SR7-C85-3Q	15"-24"	474	<MDA	6.45E-02	<MDA	<MDA	6.68E-02	<MDA
SR7-C86-1	0"-6"	409	7.08E+00	7.08E+00	4.12E-01	<MDA	5.52E-02	<MDA
SR7-C86-2	6"15'	385	1.93E+00	1.93E+00	2.23E-01	<MDA	6.44E-02	<MDA
SR7-C86-3	15"-24"	388	1.10E+00	1.10E+00	1.59E-01	<MDA	8.20E-01	<MDA
SR7-C87-1	0"-6"	317	9.28E-01	9.28E-01	1.50E-01	<MDA	8.98E-02	<MDA
SR7-C87-2	6"15'	274	1.23E+00	1.23E+00	1.92E-01	9.87E-02	9.87E-02	0.0488
SR7-C87-3	15"-24"	249	1.53E+00	1.53E+00	2.23E-01	<MDA	8.99E-02	<MDA
SR7-C88-1	0"-6"	371	1.35E+00	1.35E+00	1.76E-01	<MDA	6.09E-02	<MDA
SR7-C88-2	6"15'	424	6.65E-01	6.65E-01	1.13E-01	<MDA	5.00E-02	<MDA
SR7-C88-3	15"-24"	434	3.15E-01	3.15E-01	1.06E-01	<MDA	5.14E-02	<MDA
SR7-C89-1	0"-6"	431	<MDA	5.11E-02	<MDA	<MDA	5.76E-02	<MDA
SR7-C89-2	6"15'	490	<MDA	4.11E-02	<MDA	9.80E-02	9.80E-02	3.64E-02
SR7-C89-3	15"-24"	463	1.04E-01	1.04E-01	5.66E-02	<MDA	6.16E-02	<MDA
SR7-C90-1	0"-6"	376	2.85E+00	2.85E+00	2.74E-01	<MDA	6.01E-02	<MDA
SR7-C90-2	6"15'	296	5.29E+00	5.29E+00	4.34E-01	<MDA	6.00E-03	<MDA
SR7-C90-3	15"-24"	293	7.13E+00	7.13E+00	4.77E-01	<MDA	7.70E-02	<MDA
SR7-C91-1	0"-6"	342	7.99E+00	7.99E+00	4.69E-01	<MDA	6.60E-02	<MDA
SR7-C91-2	6"15'	359	1.39E+01	1.39E+01	8.05E-01	4.78E-01	4.78E-01	0.135
SR7-C91-3	15"-24"	418	1.14E+00	1.14E+00	1.62E-01	<MDA	5.34E-02	<MDA
Number		279	253	279	253	50	279	50
Min		238.0	3.44E-02	3.13E-02	2.44E-02	6.30E-02	6.00E-03	2.78E-02
Max		519.0	2.44E+01	2.44E+01	9.87E-01	4.78E-01	8.20E-01	1.35E-01
Avg		384.6	1.71E+00	1.56E+00	1.82E-01	1.43E-01	8.49E-02	5.44E-02
SD		49.03	2.46E+00	2.39E+00	1.17E-01	8.13E-02	7.56E-02	1.90E-02

SR-8 Plum Brook Stream Bed from Bogart Rd. to Rt. 250 (Section D Phase 1

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 DCGL pCi/g	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
D1-1	0"- 6"	287	7.55E-01	7.55E-01	1.49E-01	1.37E-01	1.37E-01	7.62E-02
D1-2	6"- 15"	391	1.00E+00	1.00E+00	1.58E-01	<MDA	6.50E-02	<MDA
D2-1	0"- 6"	392	4.58E-01	4.58E-01	1.08E-01	<MDA	6.50E-02	<MDA
D2-1Q	0"- 6"	394	2.57E-01	2.57E-01	7.17E-02	<MDA	6.50E-02	<MDA
D2-2	6"- 15"	390	<MDA	5.92E-02	<MDA	6.93E-02	6.93E-02	3.30E-02
D2-2Q	6"- 15"	405	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
D3-1	0"- 6"	424	9.56E-02	9.56E-02	4.84E-02	<MDA	6.50E-02	<MDA
D3-2	6"- 15"	460	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
D4-1	0"- 6"	368	7.02E-01	7.02E-01	1.21E-01	<MDA	6.50E-02	<MDA
D4-2	6"- 15"	380	7.35E-02	7.35E-02	5.04E-02	<MDA	6.50E-02	<MDA
D4-3	15"- 24"	343	1.06E-01	1.06E-01	5.90E-02	<MDA	6.50E-02	<MDA
D5-1	0"- 6"	348	5.88E+00	5.88E+00	4.04E-01	2.04E-01	2.04E-01	6.58E-02
D5-2	6"- 15"	424	2.70E+01	2.70E+01	9.91E-01	2.96E-01	2.96E-01	7.26E-02
D5-3	15"- 24"	447	7.57E+00	7.57E+00	4.25E-01	1.89E-01	1.89E-01	6.15E-02
D6-1	0"- 6"	322	3.05E+00	3.05E+00	2.97E-01	<MDA	6.50E-02	<MDA
D6-2	6"- 15"	367	2.14E+00	2.14E+00	2.24E-01	<MDA	6.50E-02	<MDA
D6-3	15"- 24"	346	1.72E+00	1.72E+00	2.07E-01	<MDA	6.50E-02	<MDA
D7-1	0"- 6"	441	1.83E-01	1.83E-01	9.94E-02	<MDA	6.50E-02	<MDA
D7-2	6"- 15"	426	1.05E-01	1.05E-01	5.28E-02	<MDA	6.50E-02	<MDA
D7-3	15"- 24"	423	1.32E-01	1.32E-01	5.55E-02	<MDA	6.50E-02	<MDA
D8-1	0"- 6"	354	1.66E+00	1.66E+00	2.06E-01	<MDA	6.50E-02	<MDA
D8-2	6"- 15"	389	2.42E+00	2.42E+00	2.33E-01	1.40E-01	1.40E-01	6.61E-02
D8-3	15"- 24"	343	2.78E+00	2.78E+00	2.88E-01	1.45E-01	1.45E-01	7.53E-02
D9-1	0"- 6"	367	5.81E-01	5.81E-01	1.10E-01	<MDA	6.50E-02	<MDA
D9-2	6"- 15"	396	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
D9-3	15"- 24"	383	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
D10-1	0"- 6"	389	4.67E+00	4.67E+00	3.40E-01	<MDA	6.50E-02	<MDA
D10-2	6"- 15"	378	5.50E+00	5.50E+00	3.66E-01	2.21E-01	2.21E-01	6.82E-02
D10-3	15"- 24"	293	3.63E-01	3.63E-01	1.10E-01	<MDA	6.50E-02	<MDA
D11-1	0"- 6"	432	2.38E-01	2.38E-01	8.44E-02	<MDA	6.50E-02	<MDA
D11-2	6"- 15"	422	1.32E-01	1.32E-01	5.58E-02	<MDA	6.50E-02	<MDA
D12-1	0"- 6"	240	7.09E-01	7.09E-01	1.52E-01	<MDA	6.50E-02	<MDA
D12-2	6"- 15"	279	2.09E+00	2.09E+00	2.54E-01	<MDA	6.50E-02	<MDA
D12-3	15"- 24"	372	8.13E-01	8.13E-01	1.43E-01	<MDA	6.50E-02	<MDA
D13-1	0"- 6"	472	4.51E-01	4.51E-01	1.05E-01	<MDA	6.50E-02	<MDA
D13-2	6"- 15"	462	4.05E-01	4.05E-01	8.69E-02	<MDA	6.50E-02	<MDA
D13-3	15"- 24"	438	3.00E-01	3.00E-01	7.37E-02	<MDA	6.50E-02	<MDA
D14-1	0"- 6"	339	9.36E-02	9.36E-02	5.43E-02	<MDA	6.50E-02	<MDA
D14-2	6"- 15"	411	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
D14-3	15"- 24"	425	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
D15-1	0"- 6"	442	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
D15-2	6"- 15"	409	<MDA	5.92E-02	<MDA	5.60E-02	5.60E-02	2.83E-02
D15-3	15"- 24"	416	1.21E-01	1.21E-01	6.43E-02	1.07E-01	1.07E-01	4.65E-02

SR-8 Plum Brook Stream Bed from Bogart Rd. to Rt. 250 (Section D Phase 1

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 DCGL pCi/g	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
D16-1	0"- 6"	377	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
D16-2	6"- 15"	352	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
D16-3	15"- 24"	335	<MDA	5.92E-02	<MDA	1.04E-01	1.04E-01	5.23E-02
D17-1	0"- 6"	325	7.47E-01	7.47E-01	1.47E-01	<MDA	6.50E-02	<MDA
D17-2	6"- 15"	363	1.08E+00	1.08E+00	1.58E-01	<MDA	6.50E-02	<MDA
D17-3	15"- 24"	432	1.23E+00	1.23E+00	1.69E-01	<MDA	6.50E-02	<MDA
D18-1	0"- 6"	416	3.44E-01	3.44E-01	8.40E-02	<MDA	6.50E-02	<MDA
D18-2	6"- 15"	466	6.42E-02	6.42E-02	4.20E-02	<MDA	6.50E-02	<MDA
D18-3	15"- 24"	400	2.17E-01	2.17E-01	9.07E-02	<MDA	6.50E-02	<MDA
D19-1	0"- 6"	440	6.16E-01	6.16E-01	1.32E-01	1.01E-01	1.01E-01	3.99E-02
D19-2	6"- 15"	421	6.44E-01	6.44E-01	1.18E-01	<MDA	6.50E-02	<MDA
D19-3	15"- 24"	357	1.05E+00	1.05E+00	1.55E-01	<MDA	6.50E-02	<MDA
D20-1	0"- 6"	397	1.87E-01	1.87E-01	7.34E-02	<MDA	6.50E-02	<MDA
D20-1Q	0"- 6"	378	2.45E-01	2.45E-01	7.07E-02	<MDA	6.50E-02	<MDA
D20-2	6"- 15"	417	1.52E-01	1.52E-01	7.29E-02	<MDA	6.50E-02	<MDA
D20-2Q	6"- 15"	386	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
D20-3	15"- 24"	392	1.17E-01	1.17E-01	6.24E-02	<MDA	6.50E-02	<MDA
D20-3Q	15"- 24"	359	1.29E-01	1.29E-01	5.95E-02	<MDA	6.50E-02	<MDA
D21-1	0"- 6"	429	1.34E+00	1.34E+00	1.68E-01	<MDA	6.50E-02	<MDA
D21-2	6"- 15"	372	2.49E-01	2.49E-01	9.17E-02	<MDA	6.50E-02	<MDA
D21-3	15"- 24"	393	2.31E-01	2.31E-01	8.39E-02	6.95E-02	6.95E-02	3.24E-02
D22-1	0"- 6"	305	8.77E-01	8.77E-01	1.58E-01	<MDA	6.50E-02	<MDA
D22-2	6"- 15"	445	1.61E-01	1.61E-01	7.00E-02	7.90E-02	7.90E-02	3.40E-02
D22-3	15"- 24"	407	1.61E-01	1.61E-01	6.61E-02	<MDA	6.50E-02	<MDA
D23-1	0"- 6"	378	6.92E-01	6.92E-01	1.28E-01	7.11E-02	7.11E-02	3.74E-02
D23-2	6"- 15"	366	6.16E-01	6.16E-01	1.27E-01	1.03E-01	1.03E-01	4.46E-02
D23-3	15"- 24"	374	3.31E-01	3.31E-01	8.82E-02	<MDA	6.50E-02	<MDA
D24-1	0"- 6"	369	1.97E+00	1.97E+00	2.33E-01	<MDA	6.50E-02	<MDA
D24-1Q	0"- 6"	390	3.32E+00	3.32E+00	2.80E-01	9.89E-02	9.89E-02	4.42E-02
D24-2	6"- 15"	360	3.96E+00	3.96E+00	3.37E-01	<MDA	6.50E-02	<MDA
D24-2Q	6"- 15"	396	1.51E+00	1.51E+00	1.92E-01	<MDA	6.50E-02	<MDA
D24-3	15"- 24"	399	7.28E-01	7.28E-01	1.29E-01	<MDA	6.50E-02	<MDA
D24-3Q	15"- 24"	408	2.87E-01	2.87E-01	9.43E-02	<MDA	6.50E-02	<MDA
D25-1	0"- 6"	389	5.20E-01	5.20E-01	1.01E-01	8.38E-02	8.38E-02	3.68E-02
D25-2	6"- 15"	398	1.62E-01	1.62E-01	6.93E-02	<MDA	6.50E-02	<MDA
D25-3	15"- 24"	392	9.93E-02	9.93E-02	4.45E-02	<MDA	6.50E-02	<MDA
D26-1	0"- 6"	381	6.09E-01	6.09E-01	1.30E-01	<MDA	6.50E-02	<MDA
D26-2	6"- 15"	386	7.56E-01	7.56E-01	1.32E-01	<MDA	6.50E-02	<MDA
D26-3	15"- 24"	363	2.02E-01	2.02E-01	7.08E-02	<MDA	6.50E-02	<MDA
D27-1	0"- 6"	337	8.22E-01	8.22E-01	1.47E-01	<MDA	6.50E-02	<MDA
D27-2	6"- 15"	350	1.98E-01	1.98E-01	7.89E-02	1.78E-01	1.78E-01	6.10E-02
D27-3	15"- 24"	389	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
D29-1	0"- 6"	364	5.06E-01	5.06E-01	1.32E-01	<MDA	6.50E-02	<MDA
D29-2	6"- 15"	422	4.03E-02	4.03E-02	2.69E-02	<MDA	6.50E-02	<MDA

SR-8 Plum Brook Stream Bed from Bogart Rd. to Rt. 250 (Section D Phase 1

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 DCGL pCi/g	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
D29-3	15"- 24"	328	<MDA	5.92E-02	<MDA	<MDA	6.50E-02	<MDA
D30-1	0"- 6"	332	6.43E-01	6.43E-01	1.39E-01	6.94E-02	6.94E-02	3.47E-02
D30-2	6"- 15"	364	1.98E+00	1.98E+00	2.23E-01	2.61E-01	2.61E-01	6.84E-02
D30-3	15"- 24"	391	3.03E-01	3.03E-01	9.35E-02	<MDA	6.50E-02	<MDA
Number		91	76	91	71	21	91	21
Min		240	4.03E-02	4.03E-02	2.69E-02	5.60E-02	5.60E-02	2.83E-02
Max		472	2.70E+01	2.70E+01	9.91E-01	2.96E-01	2.96E-01	7.62E-02
Avg		384.8	1.38E+00	1.16E+00	1.49E-01	1.33E-01	8.06E-02	5.14E-02
SD		42.7	3.31E+00	3.06E+00	1.32E-01	6.82E-02	4.30E-02	1.63E-02

SR-9 Plum Brook Stream Bed from Pentolite Rd to Clark Rd (Section A Phase 2)

Sample #	Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
P2-1	0-6"	334	1.01E+01	1.01E+01	5.44E-01	<MDA	0.105	<MDA
P2-1	6-15"	381	6.82E+00	6.82E+00	4.57E-01	1.74E-01	0.174	5.35E-02
P2-1	15-24"	359	6.46E-01	6.46E-01	1.38E-01	<MDA	0.0651	<MDA
P2-2	0-6"	389	1.56E+01	1.56E+01	7.67E-01	1.48E-01	0.148	4.84E-02
P2-2	6-15"	363	1.34E-01	1.34E-01	8.13E-02	<MDA	0.0613	<MDA
P2-2	15-24"	411	<MDA	9.00E-02	<MDA	<MDA	0.0572	<MDA
P2-3	0-6"	351	4.97E-01	4.97E-01	1.29E-01	<MDA	0.0887	<MDA
P2-3	6-15"	399	1.10E-01	1.10E-01	6.75E-02	<MDA	0.0589	<MDA
P2-3	15-24"	390	<MDA	4.95E-02	<MDA	<MDA	0.057	<MDA
P2-4	0-6"	386	2.65E+00	2.65E+00	2.46E-01	<MDA	0.0577	<MDA
P2-4	6-15"	450	4.30E-01	4.30E-01	1.15E-01	<MDA	0.0522	<MDA
P2-4	15-24"	435	2.28E-01	2.28E-01	6.89E-02	<MDA	0.0511	<MDA
P2-4A	0-6"	403	2.96E+00	2.96E+00	2.75E-01	1.63E-01	0.163	5.21E-02
P2-4A	6-15"	423	1.38E+01	1.38E+01	6.28E-01	1.92E-01	0.192	7.42E-02
P2-4A	15-24"	441	2.12E+00	2.12E+00	2.16E-01	1.36E-01	0.136	4.38E-02
P2-4B	0-6"	412	3.41E+00	3.41E+00	2.79E-01	9.58E-02	0.0958	4.47E-02
P2-4B	6-15"	429	6.63E-01	6.63E-01	1.20E-01	<MDA	0.0801	<MDA
P2-4B	15-24"	447	8.71E-01	8.71E-01	1.26E-01	<MDA	0.0568	<MDA
P2-4C	0-6"	383	7.24E-01	7.24E-01	1.28E-01	<MDA	0.0614	<MDA
P2-4C	6-15"	324	1.68E-01	1.68E-01	7.31E-02	2.71E-02	0.0271	7.78E-02
P2-4C	15-24"	444	<MDA	3.52E-02	<MDA	<MDA	0.0529	<MDA
P2-4D	0-6"	352	2.28E+00	2.28E+00	2.33E-01	1.89E-01	0.189	5.68E-02
P2-4D	6-15"	451	3.58E-01	3.58E-01	9.69E-02	<MDA	0.0521	<MDA
P2-4D	15-24"	456	2.94E-01	2.94E-01	1.05E-01	<MDA	0.0488	<MDA
P2-5	0-6"	356	2.24E+00	2.24E+00	2.46E-01	<MDA	0.0659	<MDA
P2-5	6-15"	378	2.35E-01	2.35E-01	8.96E-02	<MDA	0.0588	<MDA
P2-5	15-24"	454	1.53E-01	1.53E-01	7.76E-02	<MDA	0.0518	<MDA
P2-5A	0-6"	401	2.31E+00	2.31E+00	2.18E-01	<MDA	0.0554	<MDA
P2-5A QC	0-6"	404	3.53E+00	3.53E+00	2.97E-01	<MDA	0.0979	<MDA
P2-5A	6-15"	371	7.01E-01	7.01E-01	1.26E-01	<MDA	0.0599	<MDA
P2-5A QC	6-15"	364	1.10E+00	1.10E+00	1.73E-01	<MDA	0.0645	<MDA
P2-5A	15-24"	423	5.00E-01	5.00E-01	1.14E-01	<MDA	0.0526	<MDA
P2-5A QC	15-24"	369	4.61E-01	4.61E-01	1.19E-01	<MDA	0.0637	<MDA
P2-5B	0-6"	335	1.50E+00	1.50E+00	2.02E-01	<MDA	0.062	<MDA
P2-5B	6-15"	418	9.46E-02	9.46E-02	6.27E-02	<MDA	0.0563	<MDA
P2-5B	15-24"	421	1.51E-01	1.51E-01	7.08E-02	<MDA	0.0529	<MDA
P2-5C	0-6"	380	9.50E-01	9.50E-01	1.57E-01	8.30E-02	0.083	3.67E-02
P2-5C	6-15"	431	3.01E-01	3.01E-01	7.98E-02	<MDA	0.0515	<MDA
P2-5C	15-24"	338	1.02E-01	1.02E-01	7.72E-02	1.31E-01	0.131	7.06E-02
P2-6	0-6"	361	2.47E+00	2.47E+00	2.49E-01	<MDA	0.0616	<MDA
P2-6	6-15"	427	3.96E-01	3.96E-01	1.09E-01	<MDA	0.055	<MDA

SR-9 Plum Brook Stream Bed from Pentolite Rd to Clark Rd (Section A Phase 2)

Sample #	Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
P2-6	15-24"	461	2.78E-01	2.78E-01	7.93E-02	<MDA	0.0482	<MDA
P2-7	0-6"	456	1.73E+01	1.73E+01	8.01E-01	<MDA	0.0516	<MDA
P2-7	6-15"	497	<MDA	4.94E-02	<MDA	<MDA	0.0447	<MDA
P2-7	15-24"	483	3.65E-01	3.65E-01	1.02E-01	<MDA	0.0487	<MDA
P2-8	0-6"	390	1.50E+00	1.50E+00	1.79E-01	<MDA	0.057	<MDA
P2-8	6-15"	449	4.21E-01	4.21E-01	1.14E-01	<MDA	0.0523	<MDA
P2-8	15-24"	423	8.38E-02	8.38E-02	6.49E-02	<MDA	0.0526	<MDA
P2-9	0-6"	392	2.06E+00	2.06E+00	2.31E-01	<MDA	0.0599	<MDA
P2-9	6-15"	452	3.59E-01	3.59E-01	9.22E-02	<MDA	0.0492	<MDA
P2-9	15-24"	552	8.18E-02	8.18E-02	5.04E-02	5.15E-02	0.0515	2.45E-02
P2-10	0-6"	369	2.07E+00	2.07E+00	2.25E-01	<MDA	0.0617	<MDA
P2-10	6-15"	416	3.24E+00	3.24E+00	2.76E-01	<MDA	0.0564	<MDA
P2-10	15-24"	450	3.93E-01	3.93E-01	1.06E-01	<MDA	0.0522	<MDA
P2-11	0-6"	366	1.67E+00	1.67E+00	2.00E-01	9.71E-02	0.0971	3.92E-02
P2-11 QC	0-6"	342	1.87E+00	1.87E+00	2.55E-01	1.58E-01	0.158	7.70E-02
P2-11	6-15"	455	2.08E+00	2.08E+00	2.00E-01	1.15E-01	0.115	4.15E-02
P2-11 QC	6-15"	489	1.09E+00	1.09E+00	1.36E-01	8.55E-02	0.0855	3.52E-02
P2-12	0-6"	413	<MDA	4.88E-02		<MDA	0.0566	<MDA
P2-12	6-15"	406	8.44E-02	8.44E-02	5.43E-02	<MDA	0.0636	<MDA
P2-12	15-24"	408	8.39E-02	8.39E-02	4.86E-02	<MDA	0.0545	<MDA
P2-13	0-6"	389	<MDA	7.14E-02	<MDA	<MDA	0.0603	<MDA
P2-13	6-15"	410	5.16E-02	5.16E-02	3.62E-02	1.20E-01	0.12	4.22E-02
P2-13	15-24"	378	<MDA	6.29E-02	<MDA	<MDA	0.0622	<MDA
P2-14	0-6"	353	<MDA	8.84E-02	<MDA	<MDA	0.0665	<MDA
P2-14	6-15"	432	<MDA	3.32E-02	<MDA	<MDA	0.0509	<MDA
P2-14	15-24"	398	<MDA	4.36E-02	<MDA	<MDA	0.0558	<MDA
P2-15	0-6"	332	2.17E+00	2.17E+00	2.54E-01	1.31E-01	0.131	4.96E-02
P2-15	6-15"	382	2.08E+00	2.08E+00	2.13E-01	<MDA	0.0575	<MDA
P1-15	15-24"	470	2.16E-01	2.16E-01	8.35E-02	<MDA	0.0473	<MDA
P2-16	0-6"	365	2.03E+00	2.03E+00	2.20E-01	<MDA	0.064	<MDA
P2-16	6-15"	486	1.53E+00	1.53E+00	1.74E-01	<MDA	0.0484	<MDA
P2-16	15-24"	449	2.51E-01	2.51E-01	8.21E-02	<MDA	0.0489	<MDA
P2-17	0-6"	407	1.01E+01	1.01E+01	5.11E-01	3.51E-01	0.351	7.09E-02
P2-17	6-15"	442	1.10E+00	1.10E+00	1.53E-01	<MDA	0.0531	<MDA
P2-17	15-24"	445	6.33E-01	6.33E-01	1.06E-01	<MDA	0.0494	<MDA
P2-18	0-6"	404	8.16E+00	8.16E+00	4.92E-01	3.47E-01	0.347	1.05E-01
P2-18	6-15"	390	7.31E+00	7.31E+00	4.43E-01	<MDA	0.1	<MDA
P2-19	0-6"	382	4.16E+00	4.16E+00	3.10E-01	<MDA	0.0582	<MDA
P2-19	6-15"	398	5.91E+00	5.91E+00	4.05E-01	1.59E-01	0.159	4.95E-02
P2-19	15-24"	309	3.17E+00	3.17E+00	2.94E-01	<MDA	0.0719	<MDA
P2-20	0-6"	427	5.68E-01	5.68E-01	1.14E-01	<MDA	0.0889	<MDA
P2-20QC	0-6"	419	4.39E-01	4.39E-01	9.53E-02	<MDA	0.0561	<MDA
P2-20	6-15"	411	<MDA	7.90E-02	<MDA	<MDA	0.0572	<MDA

SR-9 Plum Brook Stream Bed from Pentolite Rd to Clark Rd (Section A Phase 2)

Sample #	Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
P2-20 QC	6-15"	402	4.91E-02	4.91E-02	3.79E-02	<MDA	0.0546	<MDA
P2-20	15-24	465	1.12E-01	1.12E-01	4.25E-02	<MDA	0.0699	<MDA
P2-20 QC	15-24"	440	<MDA	4.20E-02		<MDA	0.0534	<MDA
P2-21-1	0-6"	396	2.34E+00	2.34E+00	2.44E-01	1.48E-01	0.148	4.65E-02
P2-21-2	6-15"	391	3.45E+00	3.45E+00	3.10E-01	<MDA	0.0953	<MDA
P2-21-3	15-24"	375	1.04E+00	1.04E+00	1.50E-01	<MDA	0.0589	<MDA
P2-22-1	0-6"	372	1.64E+00	1.64E+00	1.92E-01	<MDA	0.06	<MDA
P2-22-2	6-15"	387	1.06E+00	1.06E+00	1.71E-01	<MDA	0.0886	<MDA
P2-22-3	15-24"	425	3.79E-01	3.79E-01	9.83E-02	<MDA	0.0519	<MDA
P2-23-1	0-6"	387	9.57E-01	9.57E-01	1.45E-01	<MDA	0.0577	<MDA
P2-23-2	6-15"	426	2.43E-02	2.43E-02	6.65E-02	<MDA	0.068	<MDA
P2-24-1	0-6"	410	3.65E+00	3.65E+00	2.94E-01	<MDA	0.0544	<MDA
P2-24-2	6-15"	420	1.26E+00	1.26E+00	1.63E-01	1.38E-01	0.138	5.75E-02
P2-25-1	0-6"	331	3.44E+00	3.44E+00	3.00E-01	<MDA	0.0762	<MDA
P2-25-2	6-15"	387	2.28E+00	2.28E+00	2.21E-01	1.90E-01	0.19	5.55E-02
P2-25-3	15-24"	403	1.29E+00	1.29E+00	1.71E-01	<MDA	0.0718	<MDA
P2-26-1	0-6"	380	4.69E+00	4.69E+00	3.39E-01	3.19E-01	0.319	7.49E-02
P2-26-2	6-15"	380	7.62E-01	7.62E-01	1.30E-01	<MDA	0.0588	<MDA
P2-26-3	15-24"	400	2.26E-01	2.26E-01	8.03E-02	<MDA	0.0612	<MDA
P2-27-1	0-6"	405	2.90E+00	2.90E+00	2.56E-01	1.33E-01	0.133	4.87E-02
P2-27-2	6-15"	386	7.33E-01	7.33E-01	1.27E-01	<MDA	0.0578	<MDA
P2-28-1	0-6"	416	1.29E+01	1.29E+01	6.14E-01	2.44E-01	0.244	5.89E-02
P2-28-2	6-15"	445	2.89E+00	2.89E+00	2.37E-01	<MDA	0.0501	<MDA
P2-29-1	0-6"	352	1.09E+01	1.09E+01	6.75E-01	1.80E-01	0.18	5.76E-02
P2-29-2	6-15"	438	2.22E+00	2.22E+00	2.13E-01	<MDA	0.0504	<MDA
P2-30-1	0-6"	361	3.97E+00	3.97E+00	3.42E-01	<MDA	0.0678	<MDA
P2-30-2	6-15"	355	4.29E+00	4.29E+00	3.28E-01	9.36E-02	0.0936	5.01E-02
P2-30-3	15-24"	422	1.01E+00	1.01E+00	4.10E-01	<MDA	0.0528	<MDA
P2-31-1	0-6"	367	9.47E+00	9.47E+00	5.18E-01	1.56E-01	0.156	5.65E-02
P2-32-1	0-6"	437	2.28E+00	2.28E+00	2.21E-01	7.26E-02	0.0726	3.26E-02
P2-32-1Q	0-6"	417	2.95E+00	2.95E+00	2.51E-01	1.51E-01	0.151	6.59E-02
P2-32-2	6-15"	423	2.13E+01	2.13E+01	8.27E-01	2.91E-01	0.291	6.67E-02
P2-32-2Q	6-15"	432	3.44E+01	3.44E+01	1.65E+00	3.66E-01	0.366	7.89E-02
P2-32-3	15-24"	416	1.13E+01	1.13E+01	5.59E-01	<MDA	0.0669	<MDA
P2-32-3Q	15-24"	435	1.06E+01	1.06E+01	5.10E-01	<MDA	0.0915	<MDA
P2-33-1	0-6"	384	2.68E+00	2.68E+00	2.60E-01	<MDA	0.0932	<MDA
P2-33-2	6-15"	409	8.05E+00	8.05E+00	4.48E-01	1.81E-01	0.181	5.13E-02
P-33-3	15-24"	387	4.00E+00	4.00E+00	3.34E-01	2.26E-01	0.226	6.45E-02
P2-34-1	0-6"	393	4.43E+00	4.43E+00	3.23E-01	2.13E-01	0.213	8.07E-02
P2-34-2	6-15"	397	8.19E+00	8.19E+00	4.51E-01	<MDA	0.1	<MDA

SR-9 Plum Brook Stream Bed from Pentolite Rd to Clark Rd (Section A Phase 2)

Sample #	Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
P2-35-1	0-6"	368	3.06E+00	3.06E+00	2.93E-01	1.49E-01	0.149	6.39E-02
P2-35-2	6-15"	436	9.58E-01	9.58E-01	1.46E-01	<MDA	0.0506	<MDA
P2-36-1	0-6"	392	2.45E+00	2.45E+00	2.41E-01	<MDA	0.0866	<MDA
P2-36-2	6-15"	439	1.55E-01	1.55E-01	5.20E-02	<MDA	0.0558	<MDA
P2-36-3	15-24"	439	4.35E-01	4.35E-01	8.87E-02	<MDA	0.0503	<MDA
P2-37-1	0-6"	397	6.68E+00	6.68E+00	4.60E-01	2.16E-01	0.216	7.56E-02
P2-37-2	6-15"	412	5.05E+00	5.05E+00	3.41E-01	1.58E-01	0.158	4.69E-02
P2-37-3	15-24"	426	6.03E+00	6.03E+00	3.67E-01	1.47E-01	0.147	5.17E-02
P2-38-1	0-6"	409	1.84E+00	1.84E+00	2.06E-01	<MDA	0.0599	<MDA
P2-38-2	6-15"	409	5.01E+01	5.01E+01	1.69E+00	5.14E-01	0.514	9.14E-02
P2-38-3	15-24"	430	3.73E+01	3.73E+01	1.78E+00	2.93E-01	0.293	8.31E-02
P2-39-1	0-6"	384	6.20E+00	6.20E+00	4.01E-01	2.23E-01	0.223	6.35E-02
P2-39-2	6-15"	404	5.51E+00	5.51E+00	3.57E-01	<MDA	0.0552	<MDA
P2-39-3	15-24"	412	9.60E-01	9.60E-01	1.49E-01	<MDA	0.0594	<MDA
P2-40-1	0-6"	398	6.83E+00	6.83E+00	4.07E-01	2.04E-01	0.204	6.10E-02
P2-40-2	6-15"	432	7.48E-01	7.48E-01	1.25E-01	<MDA	0.0693	<MDA
Number		140	128	140	128	44	140	44
Min		309.0	2.43E-02	2.43E-02	3.62E-02	2.71E-02	2.71E-02	2.45E-02
Max		552.0	5.01E+01	5.01E+01	1.78E+00	5.14E-01	5.14E-01	1.05E-01
Avg		407.9	3.78E+00	3.47E+00	2.66E-01	1.82E-01	9.94E-02	5.89E-02
SD		38.02	7.01E+00	6.79E+00	2.80E-01	9.56E-02	7.86E-02	1.69E-02

SR-10 Plum Brook Stream Bed from Clark Rd to Taylorbrook Lane (Section B Phase 2)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR10-09	P2B1-A	348.7	3.81E+00	3.81E+00	3.16E-01	<MDA	6.41E-02	<MDA
SR10-10	P2B1-B	367.2	1.94E+00	1.94E+00	2.10E-01	<MDA	6.02E-02	<MDA
SR10-11	P2B1-C	405.6	1.14E+00	1.14E+00	1.55E-01	<MDA	8.55E-02	<MDA
SR10-01	P2B2-A	312.5	1.41E+00	1.41E+00	2.16E-01	<MDA	7.10E-02	<MDA
SR10-02	P2B2-B	347.1	1.13E+01	1.13E+01	6.01E-01	1.54E-01	1.54E-01	5.09E-02
SR10-03	P2B3-A	303.6	1.15E+00	1.15E+00	1.71E-01	<MDA	1.13E-01	<MDA
SR10-04	P2B3-B	340.5	2.29E+01	2.29E+01	9.68E-01	3.09E-01	3.09E-01	7.39E-02
SR10-05	P2B3-C	416.0	2.45E-01	2.45E-01	8.43E-02	<MDA	5.41E-02	<MDA
SR10-12	P2B4-A	348.9	1.12E+01	1.12E+01	5.91E-01	<MDA	9.82E-02	<MDA
SR10-13	P2B4-B	354.7	3.87E+00	3.87E+00	3.12E-01	<MDA	6.26E-02	<MDA
SR10-14	P2B4-C	376.7	2.04E+00	2.04E+00	2.27E-01	<MDA	5.83E-02	<MDA
SR10-17	P2B5-A	397.1	4.39E+00	4.39E+00	3.13E-01	1.68E-01	1.68E-01	5.07E-02
SR10-18	P2B5-B	413.4	3.60E+00	3.60E+00	2.81E-01	<MDA	9.52E-02	<MDA
SR10-19	P2B5-C	404.6	1.51E+00	1.51E+00	1.81E-01	<MDA	5.52E-02	<MDA
SR10-20	P2B6-A	355.9	6.23E+00	6.23E+00	4.00E-01	1.51E-01	1.51E-01	5.18E-02
SR10-21	P2B6-AQ	377.1	8.04E+00	8.04E+00	4.72E-01	1.57E-01	1.57E-01	4.96E-02
SR10-22	P2B6-B	365.8	4.76E+00	4.76E+00	3.40E-01	<MDA	8.56E-02	<MDA
SR10-23	P2B6-BQ	306.5	5.97E+00	5.97E+00	4.20E-01	<MDA	7.30E-02	<MDA
SR10-24	P2B6-C	389.6	3.55E-01	3.55E-01	8.48E-02	<MDA	5.67E-02	<MDA
SR10-25	P2B6-CQ	403.1	4.09E-01	4.09E-01	1.04E-01	<MDA	5.55E-02	<MDA
SR10-31	P2B11-A	397.4	1.05E+01	1.05E+01	4.48E-01	1.91E-01	1.91E-01	4.97E-02
SR10-32	P2B11-B	320.5	4.88E+00	4.88E+00	2.93E-01	1.17E-01	1.17E-01	4.10E-02
SR10-33	P2B11-C	397.8	3.47E-01	3.47E-01	7.50E-02	<MDA	3.36E-02	<MDA
SR10-34	P2B12-A	402.4	4.12E+00	4.12E+00	2.45E-01	<MDA	3.32E-02	<MDA
SR10-35	P2B12-B	387.6	1.07E+01	1.07E+01	4.56E-01	1.74E-01	1.74E-01	4.91E-02
SR10-36	P2B12-C	388.2	1.30E+00	1.30E+00	1.34E-01	1.04E-01	1.04E-01	3.04E-02
SR10-37	P2B13-A	396.8	3.93E+00	3.93E+00	2.40E-01	<MDA	3.36E-02	<MDA
SR10-38	P2B13-B	333.7	2.02E+00	2.02E+00	1.80E-01	<MDA	5.05E-02	<MDA
SR10-39	P2B13-C	310.3	1.84E+00	1.84E+00	1.78E-01	1.13E-01	1.13E-01	3.56E-02
SR10-40	P2B14-A	259.2	2.93E+00	2.93E+00	2.42E-01	1.61E-01	1.61E-01	4.73E-02
SR10-41	P2B14-B	255.0	2.72E+01	2.72E+01	1.47E+00	3.64E-01	3.64E-01	1.38E-01
SR10-42	P2B14-C	294.6	1.15E+01	1.15E+01	6.46E-01	<MDA	7.47E-02	<MDA
SR10-28	P2B9-A	334.8	4.20E+00	4.20E+00	3.28E-01	1.40E-01	1.40E-01	5.07E-02
SR10-29	P2B9-B	350.6	2.98E+00	2.98E+00	2.73E-01	<MDA	6.31E-02	<MDA
SR10-30	P2B9-C	390.7	1.03E+00	1.03E+00	1.58E-01	<MDA	8.37E-02	<MDA
SR10-26	P2B7-A	298.1	1.68E+01	1.68E+01	7.90E-01	2.32E-01	2.32E-01	7.47E-02
SR10-27	P2B7-B	371.9	1.66E+01	1.66E+01	7.49E-01	3.98E-01	3.98E-01	8.50E-02
SR10-06	P2B10-A	401.8	<MDA	3.58E-02	<MDA	<MDA	5.54E-02	<MDA
SR10-07	P2B10-B	427.4	8.84E-02	8.84E-02	4.89E-02	<MDA	5.27E-02	<MDA
SR10-08	P2B10-C	439.2	<MDA	3.27E-02	<MDA	<MDA	5.07E-02	<MDA
SR10-15	P2B8-A	351.6	8.81E+00	8.81E+00	5.01E-01	3.14E-01	3.14E-01	7.23E-02
SR10-16	P2B8-B	324.3	2.25E+00	2.25E+00	2.61E-01	6.15E-01	6.15E-01	3.29E-02

SR-10 Plum Brook Stream Bed from Clark Rd to Taylorbrook Lane (Section B Phase 2)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
Number		42	40	42	40	17	42	17
Min		255.0	8.84E-02	3.27E-02	4.89E-02	1.04E-01	3.32E-02	3.04E-02
Max		439.2	2.72E+01	2.72E+01	1.47E+00	6.15E-01	6.15E-01	1.38E-01
Avg		361.2	5.76E+00	5.49E+00	3.54E-01	2.27E-01	1.31E-01	5.79E-02
SD		44.50	6.26E+00	6.23E+00	2.77E-01	1.34E-01	1.17E-01	2.57E-02

SR-11 Plum Brook Stream Bed from Taylorbrook Lane to Bogart Rd. (Section C Phase 2)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR-11-01	P2-C1-A	401	4.33E+00	4.33E+00	3.22E-01	<MDA	5.62E-02	<MDA
SR-11-02	P2-C1-B	412	5.19E-01	5.19E-01	9.81E-02	<MDA	5.47E-02	<MDA
SR-11-03	P2-C1-C	393	4.57E-01	4.57E-01	1.08E-01	<MDA	5.67E-02	<MDA
SR-11-04	P2-C2-A	434	1.26E+01	1.26E+01	5.81E-01	2.80E-01	2.80E-01	6.67E-02
SR-11-05	P2-C2-B	412	9.58E+00	9.58E+00	5.07E-01	1.99E-01	1.99E-01	5.29E-02
SR-11-06	P2-C2-C	394	1.83E+00	1.83E+00	2.08E-01	<MDA	7.13E-02	<MDA
SR-11-07	P2-C3-A	432	1.04E+01	1.04E+01	5.09E-01	2.05E-01	2.05E-01	7.64E-02
SR-11-08	P2-C3-B	429	1.02E+01	1.02E+01	5.23E-01	3.22E-01	3.22E-01	6.66E-02
SR-11-09	P2-C3-C	460	4.24E+00	4.24E+00	2.92E-01	1.84E-01	1.84E-01	5.26E-02
SR-11-10	P2-C4-A	411	9.12E+00	9.12E+00	4.87E-01	<MDA	5.42E-02	<MDA
SR-11-11	P2-C4-B	430	2.61E+01	2.61E+01	9.96E-01	4.82E-01	4.82E-01	9.13E-02
SR-11-12	P2-C4-C	409	6.54E+00	6.54E+00	3.87E-01	2.97E-01	2.97E-01	6.54E-02
SR-11-13	P2-C5-A	417	2.97E+00	2.97E+00	2.65E-01	1.06E-01	1.06E-01	3.86E-02
SR-11-13Q	P2-C5-A-QC	414	3.05E+00	3.05E+00	2.62E-01	1.85E-01	1.85E-01	7.40E-02
SR-11-14	P2-C5-B	427	3.12E+00	3.12E+00	2.50E-01	<MDA	5.27E-02	<MDA
SR-11-14Q	P2-C5-B-QC	416	3.03E+00	3.03E+00	2.70E-01	<MDA	5.94E-02	<MDA
SR-11-15	P2-C5-C	458	4.73E-01	4.73E-01	9.84E-02	<MDA	4.86E-02	<MDA
SR-11-15Q	P2-C5-C-QC	456	4.01E-01	4.01E-01	9.69E-02	<MDA	4.94E-02	<MDA
SR-11-16	P2-C6-A	419	2.77E+00	2.77E+00	2.57E-01	<MDA	5.89E-02	<MDA
SR-11-17	P2-C6-B	436	3.53E+00	3.53E+00	2.80E-01	1.25E-01	1.25E-01	5.89E-02
SR-11-18	P2-C7-A	406	1.31E+01	1.31E+01	6.02E-01	3.02E-01	3.02E-01	6.63E-02
SR-11-19	P2-C7-B	406	7.54E+00	7.54E+00	4.96E-01	<MDA	1.28E-01	<MDA
SR-11-20	P2-C8-A	410	4.67E+00	4.67E+00	3.35E-01	<MDA	5.43E-02	<MDA
SR-11-21	P2-C8-B	395	3.59E+00	3.59E+00	2.84E-01	<MDA	5.70E-02	<MDA
SR-11-22	P2-C9-A	423	3.44E+00	3.44E+00	2.93E-01	<MDA	8.89E-02	<MDA
SR-11-23	P2-C9-B	430	2.81E+00	2.81E+00	2.42E-01	<MDA	5.23E-02	<MDA
SR-11-24	P2-C9-C	416	3.43E-01	3.43E-01	1.02E-01	<MDA	5.93E-02	<MDA
SR-11-25	P2-C10-A	405	6.66E+00	6.66E+00	3.99E-01	1.66E-01	1.66E-01	5.12E-02
SR-11-26	P2-C10-B	396	5.64E+00	5.64E+00	4.11E-01	6.68E-01	6.68E-01	1.08E-01
SR-11-27	P2-C10-C	438	1.42E+00	1.42E+00	1.64E-01	<MDA	5.09E-02	<MDA
SR-11-28	P2-C11-A	403	6.42E+00	6.42E+00	3.95E-01	2.50E-01	2.50E-01	6.05E-02
SR-11-29	P2-C11-B	398	5.43E+00	5.43E+00	3.98E-01	<MDA	1.01E-01	<MDA
SR-11-30	P2-C11-C	422	2.70E+00	2.70E+00	2.50E-01	<MDA	0.00E+00	<MDA
SR-11-31	P2-C12-A	417	8.48E+00	8.48E+00	5.37E-01	<MDA	5.92E-02	<MDA
SR-11-32	P2-C12-B	438	4.85E+00	4.85E+00	3.36E-01	1.58E-01	1.58E-01	5.09E-02
SR-11-33	P2-C12-C	430	2.13E+00	2.13E+00	2.16E-01	<MDA	5.23E-02	<MDA
SR-11-34	P2-C13-A	400	3.04E+00	3.04E+00	2.78E-01	<MDA	0.00E+00	<MDA
SR-11-35	P2-C13-B	397	5.80E+00	5.80E+00	3.77E-01	<MDA	7.46E-02	<MDA
SR-11-36	P2-C13-C	431	2.55E+00	2.55E+00	2.21E-01	<MDA	5.73E-01	<MDA
SR-11-37	P2-C14-A	436	3.89E+00	3.89E+00	3.12E-01	<MDA	5.66E-02	<MDA

SR-11 Plum Brook Stream Bed from Taylorbrook Lane to Bogart Rd. (Section C Phase 2)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR-11-38	P2-C14-B	424	1.48E+00	1.48E+00	1.81E-01	<MDA	0.00E+00	<MDA
SR-11-39	P2-C14-C	434	1.46E+00	1.46E+00	1.76E-01	<MDA	5.18E-02	<MDA
SR-11-40	P2-C15-A	410	4.32E+00	4.32E+00	3.39E-01	<MDA	1.15E-01	<MDA
SR-11-40Q	P2-C15-A-QC	387	3.93E+00	3.93E+00	3.05E-01	<MDA	5.75E-02	<MDA
SR-11-41	P2-C15-B	393	4.21E+00	4.21E+00	3.10E-01	1.68E-01	1.68E-01	5.09E-02
SR-11-41Q	P2-C15-B-QC	419	3.79E+00	3.79E+00	2.92E-01	<MDA	9.69E-02	<MDA
SR-11-42	P2-C15-C	396	1.00E+00	1.00E+00	1.55E-01	<MDA	5.62E-02	<MDA
SR-11-42Q	P2-C15-C-QC	352	2.81E+00	2.81E+00	2.86E-01	<MDA	1.02E-01	<MDA
SR-11-43	P2-C16-A	426	4.62E+00	4.62E+00	3.15E-01	<MDA	5.28E-02	<MDA
SR-11-44	P2-C16-B	428	2.12E-01	2.12E-01	6.18E-02	<MDA	5.76E-02	<MDA
SR-11-45	P2-C16-C	419	2.05E-01	2.05E-01	6.20E-02	<MDA	5.30E-02	<MDA
SR-11-46	P2-C17-A	387	5.26E+00	5.26E+00	3.58E-01	<MDA	1.04E-01	<MDA
SR-11-47	P2-C17-B	372	9.13E-01	9.13E-01	1.46E-01	<MDA	6.62E-02	<MDA
SR-11-48	P2-C17-C	386	2.43E-01	2.43E-01	7.03E-02	<MDA	5.76E-02	<MDA
SR-11-49	P2-C18-A	396	4.32E+00	4.32E+00	3.13E-01	1.08E-01	1.08E-01	5.77E-02
SR-11-50	P2-C18-B	406	6.91E+00	6.91E+00	4.65E-01	1.89E-01	1.89E-01	5.51E-02
SR-11-51	P2-C18-C	387	7.11E-01	7.11E-01	1.21E-01	<MDA	5.75E-02	<MDA
SR-11-52	P2-C19-A	409	2.91E+00	2.91E+00	2.50E-01	<MDA	5.50E-02	<MDA
SR-11-53	P2-C19-B	422	8.74E+00	8.74E+00	4.59E-01	<MDA	5.34E-02	<MDA
SR-11-54	P2-C19-C	414	4.33E+00	4.33E+00	3.38E-01	1.46E-01	1.46E-01	5.82E-02
SR-11-55	P2-C20-A	410	6.85E+00	6.85E+00	4.09E-01	1.65E-01	1.65E-01	5.44E-02
SR-11-56	P2-C20-B	395	8.00E-01	8.00E-01	1.52E-01	<MDA	5.70E-02	<MDA
SR-11-57	P2-C20-C	398	2.02E-01	2.02E-01	7.92E-02	<MDA	6.20E-02	<MDA
SR-11-58	P2-C21-A	401	5.43E+00	5.43E+00	3.70E-01	1.83E-01	1.83E-01	5.65E-02
SR-11-59	P2-C21-B	414	1.52E+00	1.52E+00	1.75E-01	<MDA	5.43E-02	<MDA
SR-11-60	P2-C21-C	427	3.89E-01	3.89E-01	9.00E-02	<MDA	5.77E-02	<MDA
SR-11-61	P2-C23-A	404	5.05E+00	5.05E+00	3.55E-01	<MDA	5.44E-02	<MDA
SR-11-62	P2-C23-B	427	7.52E-01	7.52E-01	1.37E-01	<MDA	5.27E-02	<MDA
SR-11-63	P2-C23-C	392	8.51E-02	8.51E-02	4.87E-02	<MDA	6.29E-02	<MDA
SR-11-64	P2-C22-A	398	3.80E+00	3.80E+00	2.98E-01	1.34E-01	1.34E-01	5.10E-02
SR-11-65	P2-C22-B	412	7.02E-01	7.02E-01	1.32E-01	<MDA	5.46E-02	<MDA
SR-11-66	P2-C22-C	387	3.05E-01	3.05E-01	9.07E-02	<MDA	5.82E-02	<MDA
SR-11-67	P2-C24-A	422	5.06E+00	5.06E+00	3.33E-01	1.71E-01	1.71E-01	5.93E-02
SR-11-68	P2-C24-B	375	1.59E+00	1.59E+00	2.01E-01	<MDA	6.58E-02	<MDA
SR-11-69	P2-C24-C	406	2.41E+00	2.41E+00	2.38E-01	1.55E-01	1.55E-01	5.88E-02
SR-11-70	P2-C25-A	376	7.57E+00	7.57E+00	4.40E-01	1.99E-01	1.99E-01	5.76E-02
SR-11-71	P2-C25-B	392	6.41E+00	6.41E+00	4.48E-01	<MDA	1.37E-01	<MDA
SR-11-72	P2-C26-A	410	6.20E+00	6.20E+00	3.94E-01	2.02E-01	2.02E-01	6.01E-02
SR-11-73	P2-C26-B	405	1.90E+00	1.90E+00	2.09E-01	<MDA	6.09E-02	<MDA
SR-11-74	P2-C26-C	417	6.81E-01	6.81E-01	1.23E-01	<MDA	5.26E-02	<MDA
SR-11-75	P2-C27-A	394	7.93E+00	7.93E+00	4.47E-01	<MDA	5.70E-02	<MDA
SR-11-76	P2-C27-B	410	1.75E+00	1.75E+00	2.02E-01	<MDA	6.02E-02	<MDA

SR-11 Plum Brook Stream Bed from Taylorbrook Lane to Bogart Rd. (Section C Phase 2)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR-11-77	P2-C27-C	421	2.28E-01	2.28E-01	7.65E-02	<MDA	5.28E-02	<MDA
SR-11-78	P2-C28-A	393	2.41E+00	2.41E+00	2.27E-01	<MDA	5.65E-02	<MDA
SR-11-79	P2-C28-A-QC	377	2.30E+00	2.30E+00	2.36E-01	1.41E-01	1.41E-01	5.36E-02
SR-11-80	P2-C28-B	429	8.09E+00	8.09E+00	4.50E-01	<MDA	5.12E-02	<MDA
SR-11-81	P2-C28-B-QC	427	7.72E+00	7.72E+00	4.23E-01	<MDA	5.20E-02	<MDA
SR-11-82	P2-C28-C	418	1.64E+00	1.64E+00	1.94E-01	<MDA	5.91E-02	<MDA
SR-11-83	P2-C28-C-QC	430	2.35E+00	2.35E+00	2.21E-01	<MDA	5.25E-02	<MDA
SR-11-84	P2-C29-A	400	6.41E+00	6.41E+00	3.86E-01	<MDA	5.63E-02	<MDA
SR-11-85	P2-C29-B	439	7.39E+00	7.39E+00	4.22E-01	1.85E-01	1.85E-01	4.99E-02
SR-11-86	P2-C29-C	415	5.70E-01	5.70E-01	1.19E-01	<MDA	6.42E-02	<MDA
SR-11-87	P2-C30-A	406	1.11E+01	1.11E+01	5.51E-01	2.51E-01	2.51E-01	6.12E-02
SR-11-88	P2-C30-B	417	1.06E+01	1.06E+01	5.37E-01	2.72E-01	2.72E-01	6.58E-02
SR-11-89	P2-C30-C	423	1.07E+00	1.07E+00	1.46E-01	<MDA	8.09E-02	<MDA
SR-11-90	P2-C31-A	392	3.80E+00	3.80E+00	2.92E-01	1.13E-01	1.13E-01	4.19E-02
SR-11-91	P2-C31-B	417	9.64E+00	9.64E+00	5.07E-01	1.71E-01	1.71E-01	5.61E-02
SR-11-92	P2-C31-C	472	1.52E+00	1.52E+00	1.73E-01	<MDA	4.77E-02	<MDA
SR-11-93	P2-C32-A	420	5.50E+00	5.50E+00	3.64E-01	1.68E-01	1.68E-01	4.82E-02
SR-11-94	P2-C32-B	434	8.08E-02	8.08E-02	1.34E-01	<MDA	5.19E-02	<MDA
SR-11-95	P2-C32-C	428	3.92E-01	3.92E-01	1.11E-01	<MDA	6.35E-02	<MDA
SR-11-96	P2-C33-A	365	4.96E+00	4.96E+00	3.48E-01	1.60E-01	1.60E-01	5.71E-02
SR-11-97	P2-C33-B	370	2.82E-01	2.82E-01	1.06E-01	<MDA	6.01E-02	<MDA
SR-11-98	P2-C33-C	376	2.13E-01	2.13E-01	7.80E-02	<MDA	6.89E-02	<MDA
SR-11-99	P2-C34-A	355	1.76E+01	1.76E+01	7.71E-01	<MDA	6.33E-02	<MDA
SR-11-100	P2-C34-B	319	1.53E+00	1.53E+00	1.98E-01	<MDA	9.30E-02	<MDA
SR-11-101	P2-C34-C	354	3.82E-01	3.82E-01	9.05E-02	<MDA	6.37E-02	<MDA
SR-11-102	P2-C35-A	358	7.77E+00	7.77E+00	4.77E-01	1.25E-01	1.25E-01	4.49E-02
SR-11-103	P2-C35-B	325	2.52E+00	2.52E+00	2.66E-01	1.69E-01	1.69E-01	5.50E-02
SR-11-104	P2-C35-C	393	5.58E-01	5.58E-01	1.19E-01	<MDA	8.29E-02	<MDA
SR-11-105	P2-C36-A	311	9.38E+00	9.38E+00	5.34E-01	<MDA	7.24E-02	<MDA
SR-11-106	P2-C36-B	312	1.43E+00	1.43E+00	2.02E-01	<MDA	7.14E-02	<MDA
SR-11-107	P2-C36-C	349	3.19E-01	3.19E-01	1.22E-01	<MDA	6.46E-02	<MDA
SR-11-108	P2-C37-A	366	1.01E+01	1.01E+01	5.56E-01	<MDA	6.00E-02	<MDA
SR-11-109	P2-C37-B	344	2.72E-01	2.72E-01	7.74E-02	<MDA	6.55E-02	<MDA
SR-11-110	P2-C37-C	387	1.69E-01	1.69E-01	7.71E-02	<MDA	5.75E-02	<MDA
SR-11-111	P2-C38-A	369	1.03E+01	1.03E+01	5.31E-01	<MDA	6.11E-02	<MDA
SR-11-112	P2-C38-B	377	6.03E+00	6.03E+00	3.99E-01	<MDA	8.07E-02	<MDA
SR-11-113	P2-C38-C	387	9.12E-01	9.12E-01	1.49E-01	9.52E-02	9.52E-02	3.84E-02
SR-11-114	P2-C39-A	351	1.14E+01	1.14E+01	5.87E-01	<MDA	1.35E-01	<MDA
SR-11-115	P2-C39-B	415	6.26E-01	6.26E-01	1.12E-01	<MDA	5.42E-02	<MDA
SR-11-116	P2-C39-C	391	<MDA	3.56E-02		<MDA	6.32E-02	<MDA
SR-11-117	P2-C40-A	368	5.99E+00	5.99E+00	3.95E-01	<MDA	9.02E-02	<MDA
SR-11-118	P2-C40-B	384	2.56E+00	2.56E+00	2.47E-01	<MDA	9.26E-02	<MDA

SR-11 Plum Brook Stream Bed from Taylorbrook Lane to Bogart Rd. (Section C Phase 2)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR-11-119	P2-C40-C	401	9.42E-01	9.42E-01	1.39E-01	<MDA	6.07E-02	<MDA
SR-11-120	P2-C41-A	366	5.30E+00	5.30E+00	3.75E-01	<MDA	6.08E-02	<MDA
SR-11-121	P2-C41-B	396	1.44E+00	1.44E+00	1.79E-01	<MDA	7.18E-02	<MDA
SR-11-122	P2-C41-C	356	9.56E-01	9.56E-01	1.56E-01	<MDA	6.26E-02	<MDA
SR-11-123	P2-C42-A	367	5.37E+00	5.37E+00	3.67E-01	2.40E-01	2.40E-01	6.19E-02
SR-11-124	P2-C42-B	410	5.02E+00	5.02E+00	3.49E-01	1.48E-01	1.48E-01	4.58E-02
SR-11-125	P2-C42-C	421	3.44E+00	3.44E+00	2.70E-01	<MDA	5.36E-02	<MDA
SR-11-126	P2-C43-A	371	4.54E+00	4.54E+00	3.39E-01	1.51E-01	1.51E-01	4.86E-02
SR-11-127	P2-C43-B	404	9.14E+00	9.14E+00	4.98E-01	1.66E-01	1.66E-01	5.79E-02
SR-11-128	P2-C43-C	413	6.04E+00	6.04E+00	3.71E-01	2.22E-01	2.22E-01	8.12E-02
SR-11-126Q	P2-C43-A-QC	363	4.74E+00	4.74E+00	3.47E-01	<MDA	6.19E-02	<MDA
SR-11-127Q	P2-C43-B-QC	413	9.13E+00	9.13E+00	4.90E-01	2.30E-01	2.30E-01	5.80E-02
SR-11-128Q	P2-C43-C-QC	399	5.78E+00	5.78E+00	3.82E-01	1.77E-01	1.77E-01	5.88E-02
SR-11-129	P2-C44-A	366	4.55E+00	4.55E+00	3.44E-01	<MDA	6.01E-02	<MDA
SR-11-130	P2-C44-B	413	1.06E+01	1.06E+01	5.26E-01	<MDA	5.45E-02	<MDA
SR-11-131	P2-C44-C	414	6.30E+00	6.30E+00	3.97E-01	<MDA	1.67E-01	<MDA
SR-11-132	P2-C45-A	376	5.86E+00	5.86E+00	3.85E-01	<MDA	6.00E-01	<MDA
SR-11-133	P2-C45-B	416	6.00E+00	6.00E+00	3.80E-01	<MDA	5.35E-02	<MDA
SR-11-134	P2-C45-C	416	2.99E+00	2.99E+00	2.53E-01	2.00E-01	2.00E-01	6.68E-02
SR-11-135	P2-C46-A	412	3.81E+00	3.81E+00	3.14E-01	<MDA	9.14E-02	<MDA
SR-11-136	P2-C46-B	420	9.09E-01	9.09E-01	1.57E-01	<MDA	6.70E-02	<MDA
SR-11-137	P2-C46-C	430	3.97E-01	3.97E-01	9.74E-02	<MDA	5.74E-02	<MDA
SR-11-138	P2-C47-A	410	7.09E+00	7.09E+00	4.22E-01	<MDA	5.43E-02	<MDA
SR-11-139	P2-C47-B	420	1.51E+00	1.51E+00	1.69E-01	<MDA	5.36E-02	<MDA
SR-11-140	P2-C47-C	417	4.24E-01	4.24E-01	1.06E-01	<MDA	5.92E-02	<MDA
SR-11-141	P2-C48-A	361	9.06E+00	9.06E+00	5.07E-01	3.52E-01	3.52E-01	7.57E-02
SR-11-142	P2-C48-B	348	1.19E+01	1.19E+01	6.12E-01	4.40E-01	4.40E-01	8.60E-02
Number		151	150	151	150	47	151	47
Min		311.0	8.08E-02	3.56E-02	4.87E-02	9.52E-02	0.00E+00	3.84E-02
Max		472.0	2.61E+01	2.61E+01	9.96E-01	6.68E-01	6.68E-01	1.08E-01
Avg		401.85	4.34E+00	4.31E+00	2.98E-01	2.11E-01	1.17E-01	5.98E-02
SD		28.17	3.89E+00	3.90E+00	1.61E-01	1.05E-01	1.07E-01	1.32E-02

SR-12 Plum Brook Stream Bed from Bogart Rd. to Rt. 250 (Section D Phase 2)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR-12-1	D1-A (0"-6")	416	7.72E+00	7.72E+00	5.03E-01	1.54E-01	1.54E-01	5.36E-02
SR-12-2	D1-B (6"-15")	440	5.69E-01	5.69E-01	1.08E-01	5.47E-02	5.47E-02	2.70E-02
SR-12-3	D1-C (15"-24")	418	4.11E-01	4.11E-01	9.79E-02	<MDA	5.36E-02	<MDA
SR-12-4	D2-A (0"-6")	355	2.96E+00	2.96E+00	2.86E-01	<MDA	6.93E-02	<MDA
SR-12-5	D2-B (6"-15")	356	4.37E+00	4.37E+00	3.40E-01	1.67E-01	1.67E-01	5.24E-02
SR-12-6	D2-C (15"-24")	391	1.61E+00	1.61E+00	1.80E-01	<MDA	5.73E-02	<MDA
SR-12-7	D3-A (0"-6")	363	2.90E+00	2.90E+00	2.86E-01	<MDA	6.78E-02	<MDA
SR-12-8	D3-B (6"-15")	392	3.20E+00	3.20E+00	2.67E-01	<MDA	5.66E-02	<MDA
SR-12-9	D3-C (15"-24")	420	2.95E-01	2.95E-01	7.81E-02	<MDA	5.33E-02	<MDA
SR-12-10	D4-A (0"-6")	330	6.67E+00	6.67E+00	4.43E--01	1.32E-01	1.32E-01	5.46E-02
SR-12-11	D4-B (6"-15")	346	4.96E+00	4.96E+00	3.62E-01	2.16E-01	2.16E-01	6.03E-02
SR-12-12	D5-A (0"-6")	324	1.06E+00	1.06E+00	1.63E-01	<7.57E-02	7.57E-02	<MDA
SR-12-13	D5-B (6"-15")	312	1.49E+00	1.49E+00	2.08E-01	<7.10E-02	7.10E-02	<MDA
SR-12-14	D5-C (15"-24")	406	1.08E+00	1.08E+00	1.51E-01	<5.51E-02	5.51E-02	<MDA
SR-12-15	D6-A (0"-6")	402	1.90E+00	1.90E+00	2.09E-01	<6.70E-02	6.70E-02	<MDA
SR-12-16	D6-B (6"-15")	352	5.11E-01	5.11E-01	1.23E-01	<6.28E-02	6.28E-02	<MDA
SR-12-17	D6-C (15"-24")	380	4.18E-01	4.18E-01	9.75E-02	<5.88e-02	5.88E-02	<MDA
SR-12-21	D7-A (0"-6")	465	6.96E+00	6.96E+00	4.04E-01	2.59E-01	2.59E-01	5.71E-02
SR-12-22	D7-B (6"-15")	412	1.27E+00	1.27E+00	1.70E-01	8.99E-02	8.99E-02	3.63E-02
SR-12-23	D7-C (15"-24")	399	4.92E-01	4.92E-01	1.12E-01	<MDA	6.15E-02	<MDA
SR-12-32	D8-A (0"-6")	432	1.49E+00	1.49E+00	1.69E-01	<MDA	5.13E-02	<MDA
SR-12-33	D8-B (6"-15")	468	1.64E-01	1.64E-01	5.83E-02	<MDA	4.78E-02	<MDA
SR-12-27	D9-A (0"-6")	386	3.48E+00	3.48E+00	2.85E-01	<MDA	6.38E-02	<MDA
SR-12-28	D9-B (6"-15")	406	1.53E+01	1.53E+01	8.43E-01	3.49E-01	3.49E-01	7.54E-02
SR-12-29	D9-C (15"-24")	388	6.43E+00	6.43E+00	4.04E-01	<MDA	9.31E-02	<MDA
SR-12-18	D10-A (0"-6")	408	7.37E+00	7.37E+00	4.88E-01	2.94E-01	2.94E-01	9.86E-02
SR-12-19	D10-B (6"-15")	369	2.42E+00	2.42E+00	2.39E-01	<MDA	6.06E-02	<MDA
SR-12-20	D10-C (15"-24")	446	3.43E-01	3.43E-01	7.75E-02	<MDA	5.50E-02	<MDA

SR-12 Plum Brook Stream Bed from Bogart Rd. to Rt. 250 (Section D Phase 2)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR-12-24	D11-A (0"-6")	379	8.94E+00	8.94E+00	4.90E-01	<MDA	9.65E-02	<MDA
SR-12-25	D11-B (6"-15")	395	9.75E+00	9.75E+00	6.00E-01	3.91E-01	3.91E-01	8.18E-02
SR-12-26	D11-C (15"-24")	380	3.22E+00	3.22E+00	2.83E-01	<MDA	5.83E-02	<MDA
SR-12-34	D12-A (0"-6")	403	1.16E+00	1.16E+00	1.61E-01	<MDA	6.10E-02	<MDA
SR-12-35	D12-B (6"-15")	352	9.06E+00	9.06E+00	5.05E-01	<MDA	6.37E-02	<MDA
SR-12-36	D12-C (15"-24")	417	6.70E+00	6.70E+00	4.53E-01	2.35E-01	2.35E-01	6.10E-02
SR-12-30	D13-A (0"-6")	430	<6.68E-02	6.68E-02	N/A	<MDA	5.21E-02	<MDA
SR-12-31	D13-B (6"-15")	420	8.84E-02	8.84E-02	5.26E-02	<MDA	7.38E-02	<MDA
SR-12-40	D14-A (0"-6")	372	9.20E+00	9.20E+00	5.01E-01	<MDA	7.61E-02	<MDA
SR-12-41	D14-B (6"-15")	388	8.77E+00	8.77E+00	5.60E-01	2.42E-01	2.42E-01	6.39E-02
SR-12-42	D14-C (15"-24")	416	4.08E+00	4.08E+00	3.11E-01	1.73E-01	1.73E-01	7.10E-02
SR-12-43	D15-A (0"-6")	273	3.34E+00	3.34E+00	3.23E-01	<MDA	8.20E-02	<MDA N/A
SR-12-44	D15-B (6"-15")	407	5.52E+00	5.52E+00	4.06E-01	1.91E-01	1.91E-01	5.54E-02
SR-12-45	D15-C (15"-24")	393	4.14E+00	4.14E+00	3.18E-01	<MDA	5.63E-02	<MDA
SR-12-37	D16-A (0"-6")	383	3.62E+00	3.62E+00	2.93E-01	0.144	1.44E-01	0.0572
SR-12-38	D16-B (6"-15")	380	2.66E-01	2.66E-01	9.33E-02	<MDA	5.90E-02	<MDA
SR-12-39	D16-C (15"-24")	382	2.77E-01	2.77E-01	1.13E-01	<MDA	5.80E-02	<MDA
SR-12-46	D17-A (0"-6")	399	1.40E+01	1.40E+01	6.38E-01	<MDA	1.46E-01	<MDA
SR-12-47	D17-B (6"-15")	387	1.57E+01	1.57E+01	8.68E-01	3.01E-01	3.01E-01	1.03E-01
SR-12-48	D17-C (15"-24")	421	7.46E+00	7.46E+00	4.36E-01	2.18E-01	2.18E-01	6.07E-02
SR-12-49	D18-A (0"-6")	354	6.93E+00	6.93E+00	4.29E-01	<MDA	7.75E-02	<MDA
SR-12-50	D18-B (6"-15")	336	9.62E+00	9.62E+00	6.25E-01	2.60E-01	2.60E-01	8.04E-02
SR-12-51	D18-C (15"-24")	380	9.47E+00	9.47E+00	5.17E-01	2.99E-01	2.99E-01	6.78E-02
SR-12-52	D19-A (0"-6")	396	3.24E+00	3.24E+00	2.76E-01	<MDA	7.14E-02	<MDA
SR-12-52Q	D19-AQ (0"-6")	386	2.90E+00	2.90E+00	2.80E-01	<MDA	8.71E-02	<MDA

SR-12 Plum Brook Stream Bed from Bogart Rd. to Rt. 250 (Section D Phase 2)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR-12-53	D19-B (6"-15")	396	9.01E+00	9.01E+00	4.94E-01	2.18E-01	2.18E-01	5.73E-02
SR-12-53Q	D19-BQ (6"-15")	412	8.59E+00	8.59E+00	4.66E-01	<MDA	1.11E-01	<MDA
SR-12-54	D19-C (15"-24")	425	3.17E+00	3.17E+00	2.77E-01	<MDA	1.32E-01	<MDA
SR-12-54Q	D19-CQ (15"-24")	439	3.15E+00	3.15E+00	2.60E-01	<MDA	8.50E-02	<MDA
SR-12-55	D20-A (0"-6")	379	8.26E+00	8.26E+00	4.61E-01	2.65E-01	2.65E-01	9.25E-02
SR-12-55Q	D20-AQ (0"-6")	425	7.58E+00	7.58E+00	4.91E-01	<MDA	5.79E-02	<MDA
SR-12-56	D20-B (6"-15")	388	1.98E+00	1.98E+00	2.20E-01	1.02E-01	1.02E-01	3.92E-02
SR-12-56Q	D20-BQ (6"-15")	379	1.65E+00	1.65E+00	1.91E-01	<MDA	8.09E-02	<MDA
SR-12-57	D20-C (15"-24")	379	3.75E-01	3.75E-01	9.71E-02	<MDA	6.48E-02	<MDA
SR-12-57Q	D20-CQ (15"-24")	383	3.91E-01	3.91E-01	9.71E-02	<MDA	5.78E-02	<MDA
SR-12-58	D21-A (0"-6")	362	7.26E+00	7.26E+00	4.33E-01	<MDA	9.04E-02	<MDA
SR-12-58Q	D21-AQ (0"-6")	354	5.55E+00	5.55E+00	4.23E-01	1.59E-01	1.59E-01	5.79E-02
SR-12-59	D21-B (6"-15")	409	1.09E+01	1.09E+01	5.33E-01	3.54E-01	3.54E-01	7.16E-02
SR-12-59Q	D21-BQ (6"-15")	416	1.01E+01	1.01E+01	6.17E-01	<MDA	2.19E-01	<MDA
SR-12-60	D21-C (15"-24")	446	1.45E+00	1.45E+00	1.71E-01	<MDA	5.21E-02	<MDA
SR-12-60Q	D21-CQ (15"-24")	412	1.27E+00	1.27E+00	1.63E-01	<MDA	5.43E-02	<MDA
	Number	69	68	69	67	24	69	24
	Min	273.0	8.84E-02	6.68E-02	5.26E-02	5.47E-02	4.78E-02	2.70E-02
	Max	468.0	1.57E+01	1.57E+01	8.68E-01	3.91E-01	3.91E-01	1.03E-01
	Avg	391.5	4.65E+00	4.58E+00	3.23E-01	2.19E-01	1.24E-01	6.40E-02
	SD	34.76	3.95E+00	3.96E+00	1.89E-01	8.69E-02	8.97E-02	1.83E-02

SR-19 Plum Brook Stream Bed from Rt. 250 to Rt. 2 (Section E Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR19-1	E-1-1	344.2	8.01E-01	8.01E-01	1.40E-01	<MDA	6.46E-02	<MDA
SR19-2	E-1-1-Q	362.6	8.64E-01	8.64E-01	1.56E-01	<MDA	6.13E-02	<MDA
SR19-3	E-1-2	287.5	1.11E+00	1.11E+00	1.82E-01	<MDA	7.73E-02	<MDA
SR19-4	E-1-2-Q	296.7	1.65E+00	1.65E+00	2.26E-01	<MDA	7.49E-02	<MDA
SR19-5	E-1-3	328.1	3.21E+00	3.21E+00	2.92E-01	<MDA	1.11E-01	<MDA
SR19-6	E-1-3-Q	363.8	3.11E+00	3.11E+00	2.70E-01	<MDA	6.11E-02	<MDA
SR19-7	E-2-1	346.2	8.03E-01	8.03E-01	1.44E-01	<MDA	6.42E-02	<MDA
SR19-8	E-2-2	342.7	1.08E+00	1.08E+00	1.63E-01	<MDA	6.49E-02	<MDA
SR19-9	E-2-3	380.3	1.88E+00	1.88E+00	2.06E-01	<MDA	6.92E-02	<MDA
SR19-10	E-3-1	354.7	5.96E-01	5.96E-01	1.33E-01	<MDA	7.16E-02	<MDA
SR19-11	E-3-2	378.5	2.12E-01	2.12E-01	9.44E-02	<MDA	6.95E-02	<MDA
SR19-12	E-3-3	357.0	2.15E-01	2.15E-01	7.60E-02	<MDA	6.76E-02	<MDA
SR19-13	E-4-1	320.3	6.73E-01	6.73E-01	1.41E-01	<MDA	6.94E-02	<MDA
SR19-14	E-4-2	355.5	8.71E-01	8.71E-01	1.56E-01	<MDA	6.18E-02	<MDA
SR19-15	E-4-3	337.6	5.37E-01	5.37E-01	1.26E-01	<MDA	6.58E-02	<MDA
SR19-16	E-5-1	373.4	3.91E-01	3.91E-01	1.14E-01	<MDA	5.96E-02	<MDA
SR19-17	E-5-2	366.9	1.39E-01	1.39E-01	6.22E-02	<MDA	6.06E-02	<MDA
SR19-18	E-5-3	356.1	1.69E-01	1.69E-01	6.90E-02	<MDA	6.25E-02	<MDA
SR19-19	E-6-1	350.5	2.38E-01	2.38E-01	9.01E-02	<MDA	6.35E-02	<MDA
SR19-20	E-6-2	373.3	<MDA	4.52E-02	<MDA	<MDA	5.96E-02	<MDA
SR19-21	E-6-3	351.9	1.69E-01	1.69E-01	7.14E-02	<MDA	6.32E-02	<MDA
SR19-22	E-7-1	379.7	1.82E+00	1.82E+00	2.03E-01	<MDA	5.86E-02	<MDA
SR19-23	E-7-2	364.9	2.04E+00	2.04E+00	2.15E-01	<MDA	6.09E-02	<MDA
SR19-24	E-7-3	365.7	2.57E+00	2.57E+00	2.53E-01	<MDA	7.67E-02	<MDA
SR19-25	E-8-1	394.3	2.39E-01	2.39E-01	9.02E-02	<MDA	5.93E-02	<MDA
SR19-26	E-8-2	407.3	1.53E-01	1.53E-01	6.08E-02	<MDA	5.46E-02	<MDA
SR19-27	E-8-3	357.2	<MDA	6.69E-02	<MDA	<MDA	6.23E-02	<MDA
SR19-28	E-9-1	334.8	<MDA	8.64E-02	<MDA	<MDA	6.64E-02	<MDA
SR19-29	E-9-2	354.6	<MDA	5.68E-02	<MDA	<MDA	7.16E-02	<MDA
SR19-30	E-9-3	375.2	1.45E-01	1.45E-01	6.99E-02	<MDA	6.77E-02	<MDA
SR19-31	E-10-1	320.4	8.52E-01	8.52E-01	1.43E-01	<MDA	6.94E-02	<MDA
SR19-32	E-10-2	347.2	7.27E-01	7.27E-01	1.27E-01	<MDA	6.41E-02	<MDA
SR19-33	E-10-3	361.8	1.52E+00	1.52E+00	1.89E-01	<MDA	6.15E-02	<MDA
SR19-34	E-11-1	395.5	<MDA	6.21E-02	<MDA	<MDA	5.62E-02	<MDA
SR19-35	E-11-2	335.7	1.49E-01	1.49E-01	7.15E-02	<MDA	6.63E-02	<MDA
SR19-36	E-11-3	394.9	<MDA	4.40E-02	<MDA	<MDA	7.51E-02	<MDA
SR19-37	E-12-1	353.3	2.28E-01	2.28E-01	6.97E-02	<MDA	7.94E-02	<MDA
SR19-38	E-12-2	394.8	<MDA	8.03E-02	<MDA	<MDA	5.63E-02	<MDA
SR19-39	E-12-3	354.7	<MDA	5.68E-02	<MDA	<MDA	6.27E-02	<MDA
SR19-40	E-13-1	330.3	<MDA	5.46E-02	<MDA	<MDA	7.39E-02	<MDA
SR19-41	E-13-2	347.9	1.52E-01	1.52E-01	7.61E-02	<MDA	6.39E-02	<MDA
SR19-42	E-13-3	344.2	<MDA	6.26E-02	<MDA	<MDA	7.09E-02	<MDA
SR19-43	E-14-1	364.1	6.32E-01	6.32E-01	1.15E-01	<MDA	6.11E-02	<MDA

SR-19 Plum Brook Stream Bed from Rt. 250 to Rt. 2 (Section E Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR19-44	E-14-2	332.0	6.11E-01	6.11E-01	1.23E-01	<MDA	6.70E-02	<MDA
SR19-45	E-14-3	312.5	5.81E-01	5.81E-01	1.25E-01	<MDA	7.12E-02	<MDA
SR19-46	E-15-1	371.6	1.66E-01	1.66E-01	7.17E-02	<MDA	5.99E-02	<MDA
SR19-47	E-15-2	385.7	2.10E-01	2.10E-01	8.71E-02	<MDA	5.77E-02	<MDA
SR19-48	E-15-3	390.3	1.29E-01	1.29E-01	4.99E-02	<MDA	5.70E-02	<MDA
SR19-49	E-16-1	390.6	1.60E-01	1.60E-01	7.41E-02	<MDA	5.70E-02	<MDA
SR19-50	E-16-2	385.0	2.53E-01	2.53E-01	8.27E-02	<MDA	5.78E-02	<MDA
SR19-51	E-16-3	377.3	3.37E-01	3.37E-01	9.93E-02	<MDA	5.90E-02	<MDA
SR19-52	E-17-1	415.0	6.59E-01	6.59E-01	1.47E-01	<MDA	5.36E-02	<MDA
SR19-53	E-17-2	435.5	5.58E-01	5.58E-01	9.90E-02	<MDA	5.11E-02	<MDA
SR19-54	E-17-3	441.4	2.37E-01	2.37E-01	7.95E-02	<MDA	5.04E-02	<MDA
SR19-55	E-18-1	346.0	5.47E-01	5.47E-01	1.19E-01	<MDA	6.44E-02	<MDA
SR19-56	E-18-2	371.2	2.97E-01	2.97E-01	9.21E-02	<MDA	6.00E-02	<MDA
SR19-57	E-18-3	358.6	1.72E-01	1.72E-01	7.01E-02	<MDA	6.21E-02	<MDA
SR19-58	E-19-1	402.6	<MDA	7.38E-02	<MDA	<MDA	5.53E-02	<MDA
SR19-59	E-19-2	406.5	<MDA	5.88E-02	<MDA	<MDA	5.48E-02	<MDA
SR19-60	E-19-3	392.8	1.41E-01	1.41E-01	6.33E-02	<MDA	5.67E-02	<MDA
SR19-61	E-20-1	369.1	6.61E-01	6.61E-01	1.50E-01	<MDA	6.03E-02	<MDA
SR19-62	E-20-2	390.8	<MDA	6.11E-02	<MDA	<MDA	5.70E-02	<MDA
SR19-63	E-20-3	387.9	<MDA	6.07E-02	<MDA	<MDA	5.74E-02	<MDA
SR19-64	E-21-1	384.0	6.51E-01	6.51E-01	1.31E-01	<MDA	5.80E-02	<MDA
SR19-65	E-21-1Q	380.5	1.14E+00	1.14E+00	1.64E-01	<MDA	1.00E-01	<MDA
SR19-66	E-21-2	373.1	1.25E+00	1.25E+00	1.74E-01	<MDA	1.19E-01	<MDA
SR19-67	E-21-2Q	345.4	9.98E-01	9.98E-01	1.56E-01	<MDA	8.14E-02	<MDA
SR19-68	E-21-3	306.7	2.37E+00	2.37E+00	2.61E-01	<MDA	1.09E-01	<MDA
SR19-69	E-21-3Q	345.2	1.58E+00	1.58E+00	1.90E-01	1.27E-01	1.27E-01	4.71E-02
SR19-70	E-22-1	321.9	7.28E-01	7.28E-01	1.46E-01	<MDA	6.92E-02	<MDA
SR19-71	E-22-2	253.9	7.56E-01	7.56E-01	1.88E-01	<MDA	8.78E-02	<MDA
SR19-72	E-22-3	203.5	1.10E+00	1.10E+00	2.03E-01	<MDA	1.84E-01	<MDA
SR19-73	E-23-1	372.5	1.49E-01	1.49E-01	6.68E-02	<MDA	5.98E-02	<MDA
SR19-74	E-23-2	365.2	<MDA	9.48E-02	<MDA	<MDA	6.10E-02	<MDA
SR19-75	E-23-3	371.1	<MDA	8.21E-02	<MDA	<MDA	6.01E-02	<MDA
SR19-76	E-24-1	423.3	<MDA	5.32E-02	<MDA	<MDA	5.27E-02	<MDA
SR19-77	E-24-2	384.0	<MDA	5.46E-02	<MDA	<MDA	5.80E-02	<MDA
SR19-78	E-24-3	410.6	<MDA	6.72E-02	<MDA	<MDA	6.85E-02	<MDA
SR19-79	E-25-1	463.5	<MDA	6.73E-02	<MDA	<MDA	6.73E-02	<MDA
SR19-80	E-25-2	448.6	<MDA	3.88E-02	<MDA	<MDA	4.97E-02	<MDA
SR19-81	E-25-3	434.4	1.20E-01	1.20E-01	6.06E-02	<MDA	5.13E-02	<MDA
SR19-82	E-35-1	451.0	9.07E-01	9.07E-01	1.39E-01	<MDA	4.94E-02	<MDA
SR19-83	E-35-2	381.4	2.76E+00	2.76E+00	2.51E-01	<MDA	5.85E-02	<MDA
SR19-84	E-35-3	338.3	2.89E+00	2.89E+00	2.67E-01	<MDA	9.64E-02	<MDA
SR19-85	E-36-1	407.9	1.49E+00	1.49E+00	1.78E-01	<MDA	5.47E-02	<MDA
SR19-86	E-36-2	388.7	1.77E+00	1.77E+00	2.00E-01	<MDA	5.74E-02	<MDA
SR19-87	E-36-3	363.5	2.00E+00	2.00E+00	2.22E-01	<MDA	6.13E-02	<MDA

SR-19 Plum Brook Stream Bed from Rt. 250 to Rt. 2 (Section E Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR19-88	E-37-1	419.9	4.84E-01	4.84E-01	1.02E-01	<MDA	5.31E-02	<MDA
SR19-89	E-37-2	413.6	4.70E-01	4.70E-01	1.06E-01	<MDA	6.16E-02	<MDA
SR19-90	E-37-3	352.5	4.40E-01	4.40E-01	9.74E-02	<MDA	6.33E-02	<MDA
SR19-91	E-38-1	344.0	9.93E-01	9.93E-01	1.66E-01	<MDA	6.48E-02	<MDA
SR19-92	E-38-2	311.1	1.78E+00	1.78E+00	2.26E-01	<MDA	7.17E-02	<MDA
SR19-93	E-38-3	289.7	1.90E+00	1.90E+00	2.41E-01	<MDA	7.70E-02	<MDA
SR19-94	E-39-1	313.7	1.34E+00	1.34E+00	1.88E-01	<MDA	7.11E-02	<MDA
SR19-95	E-39-2	371.7	1.79E+00	1.79E+00	2.06E-01	<MDA	7.57E-02	<MDA
SR19-96	E-39-3	385.8	8.05E-01	8.05E-01	1.27E-01	<MDA	5.78E-02	<MDA
SR19-97	E-40-1	283.2	1.34E+00	1.34E+00	2.05E-01	<MDA	1.13E-01	<MDA
SR19-98	E-40-2	396.7	1.08E+00	1.08E+00	1.59E-01	<MDA	5.62E-02	<MDA
SR19-99	E-40-3	384.2	8.00E-01	8.00E-01	1.34E-01	<MDA	5.81E-02	<MDA
SR19-100	E-41-1	340.7	7.47E-01	7.47E-01	1.55E-01	<MDA	6.55E-02	<MDA
SR19-101	E-41-1Q	354.0	1.10E+00	1.10E+00	1.76E-01	<MDA	6.30E-02	<MDA
SR19-102	E-41-2	354.1	1.44E+00	1.44E+00	1.84E-01	<MDA	6.30E-02	<MDA
SR19-103	E-41-2Q	311.1	6.55E-01	6.55E-01	1.38E-01	<MDA	8.77E-02	<MDA
SR19-104	E-41-3	399.6	9.53E-01	9.53E-01	1.41E-01	<MDA	8.66E-02	<MDA
SR19-105	E-41-3Q	355.7	1.05E+00	1.05E+00	1.51E-01	<MDA	6.27E-02	<MDA
SR19-106	E-42-1	387.1	<MDA	6.51E-02	<MDA	<MDA	6.58E-02	<MDA
SR19-107	E-42-2	421.3	<MDA	5.83E-02	<MDA	<MDA	5.29E-02	<MDA
SR19-108	E-42-3	400.9	1.35E-01	1.35E-01	6.76E-02	<MDA	5.56E-02	<MDA
SR19-109	E-43-1	380.2	<MDA	6.95E-02	<MDA	<MDA	5.87E-02	<MDA
SR19-110	E-43-2	403.1	<MDA	7.11E-02	<MDA	<MDA	5.53E-02	<MDA
SR19-111	E-43-3	384.2	1.56E-01	1.56E-01	7.03E-02	<MDA	5.81E-02	<MDA
SR19-112	E-44-1	413.9	5.17E-01	5.17E-01	1.13E-01	<MDA	5.39E-02	<MDA
SR19-113	E-44-2	444.6	4.96E-01	4.96E-01	1.00E-01	<MDA	5.02E-02	<MDA
SR19-114	E-44-3	431.0	6.79E-01	6.79E-01	1.15E-01	<MDA	6.53E-02	<MDA
SR19-115	E-45-1	434.3	5.90E-01	5.90E-01	1.09E-01	<MDA	5.14E-02	<MDA
SR19-116	E-45-2	411.0	1.15E-01	1.15E-01	5.40E-02	<MDA	5.43E-02	<MDA
SR19-117	E-45-3	385.8	<MDA	7.70E-02	<MDA	<MDA	5.78E-02	<MDA
SR19-118	E-46-1	361.6	8.05E-01	8.05E-01	1.39E-01	<MDA	6.17E-02	<MDA
SR19-119	E-46-2	320.0	8.18E-01	8.18E-01	1.40E-01	<MDA	6.97E-02	<MDA
SR19-120	E-46-3	412.7	7.45E-01	7.45E-01	1.30E-01	<MDA	5.41E-02	<MDA
SR19-121	E47-1	349.2	5.83E-01	5.83E-01	1.19E-01	<MDA	7.56E-02	<MDA
SR19-122	E47-2	372.7	9.48E-01	9.48E-01	1.48E-01	<MDA	5.99E-02	<MDA
SR19-123	E48-1	452.1	2.36E-01	2.36E-01	9.32E-02	<MDA	4.93E-02	<MDA
SR19-124	E48-2	402.8	<MDA	1.00E-01	<MDA	<MDA	6.56E-02	<MDA
SR19-125	E49-1	375.0	5.46E-01	5.46E-01	1.13E-01	<MDA	5.95E-02	<MDA
SR19-126	E49-2	393.3	6.48E-01	6.48E-01	1.21E-01	<MDA	5.67E-02	<MDA
SR19-127	E49-3	365.5	6.73E-01	6.73E-01	1.32E-01	<MDA	6.10E-02	<MDA
SR19-128	E-50-1	370.1	1.70E-01	1.70E-01	6.85E-02	<MDA	5.96E-02	<MDA
SR19-129	E50-2	358.7	2.35E-01	2.35E-01	9.82E-02	<MDA	6.22E-02	<MDA
SR19-130	E50-3	384.2	<MDA	5.66E-02	<MDA	<MDA	5.81E-02	<MDA
SR19-131	E-51-1	419.9	3.92E-01	3.92E-01	1.12E-01	<MDA	8.39E-02	<MDA

SR-19 Plum Brook Stream Bed from Rt. 250 to Rt. 2 (Section E Phase 1)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR19-132	E-51-2	389.9	1.73E-01	1.73E-01	7.41E-02	<MDA	5.73E-02	<MDA
SR19-133	E-51-3	420.8	1.56E-01	1.56E-01	5.28E-02	<MDA	5.31E-02	<MDA
SR19-134	E-52-1	382.8	4.01E-01	4.01E-01	8.91E-02	<MDA	5.84E-02	<MDA
SR19-135	E-52-2	412.7	1.77E-01	1.77E-01	5.68E-02	<MDA	5.41E-02	<MDA
SR19-136	E-52-3	446.0	<MDA	8.45E-02	<MDA	<MDA	6.67E-02	<MDA
SR19-137	E-53-1	368.5	4.23E-01	4.23E-01	1.03E-01	<MDA	6.64E-02	<MDA
SR19-138	E-53-2	408.3	3.10E-01	3.10E-01	7.74E-02	<MDA	5.40E-02	<MDA
SR19-139	E-53-3	404.0	1.16E-01	1.16E-01	6.04E-02	<MDA	5.52E-02	<MDA
SR19-140	E-54-1	309.1	7.44E-01	7.44E-01	1.38E-01	<MDA	7.13E-02	<MDA
SR19-141	E-54-2	330.6	5.95E-01	5.95E-01	1.27E-01	<MDA	6.75E-02	<MDA
SR19-142	E-54-3	349.4	7.28E-01	7.28E-01	1.39E-01	<MDA	6.97E-02	<MDA
Number		142	113	142	113	1	142	1
Min		203.5	1.15E-01	3.88E-02	4.99E-02	1.27E-01	4.93E-02	4.71E-02
Max		463.5	3.21E+00	3.21E+00	2.92E-01	1.27E-01	1.84E-01	4.71E-02
Avg		371.3	8.04E-01	6.53E-01	1.33E-01	1.27E-01	6.59E-02	4.71E-02
SD		40.32	6.92E-01	6.85E-01	5.61E-02	NA	1.66E-02	NA

SR-20 Plum Brook Stream Bed from Rt. 250 to Rt. 2 (Section E Phase 2)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR20-1	ET1-1	379.6	2.20E+00	2.20E+00	2.22E-01	<MDA	8.93E-02	<MDA
SR20-2	ET1-2	375.0	7.70E+00	7.70E+00	4.46E-01	<MDA	1.14E-01	<MDA
SR20-3	ET1-3	377.2	4.90E+00	4.90E+00	3.47E-01	1.87E-01	1.87E-01	6.11E-02
SR20-4	ET2-1	367.0	3.26E+00	3.26E+00	2.85E-01	<MDA	6.07E-02	<MDA
SR20-5	ET2-1Q	367.7	7.10E-01	7.10E-01	1.35E-01	<MDA	6.06E-02	<MDA
SR20-6	ET2-2	405.9	<MDA	9.33E-02	<MDA	<MDA	5.49E-02	<MDA
SR20-7	ET2-2Q	405.3	1.88E-01	1.88E-01	6.80E-02	<MDA	6.93E-02	<MDA
SR20-8	ET2-3	427.0	1.47E-01	1.47E-01	6.80E-02	<MDA	5.72E-02	<MDA
SR20-9	ET2-3Q	387.0	2.25E-01	2.25E-01	8.28E-02	<MDA	9.39E-02	<MDA
SR20-10	ET3-1	360.0	1.44E+01	1.44E+01	6.66E-01	<MDA	1.58E-01	<MDA
SR20-11	ET3-2	416.3	7.68E-01	7.68E-01	1.29E-01	<MDA	5.35E-02	<MDA
SR20-12	ET4-1	354.2	6.37E+00	6.37E+00	4.07E-01	<MDA	6.29E-02	<MDA
SR20-13	ET4-2	399.4	1.68E+01	1.68E+01	7.15E-01	<MDA	1.52E-01	<MDA
SR20-14	ET5-1	380.3	1.22E+01	1.22E+01	5.87E-01	3.40E-01	3.40E-01	7.22E-02
SR20-15	ET5-2	372.6	5.80E+00	5.80E+00	3.80E-01	<MDA	5.98E-02	<MDA
SR20-16	ET-5-3	377.2	7.72E+00	7.72E+00	4.56E-01	<MDA	5.90E-02	<MDA
SR20-17	ET-6-1	342.0	2.18E+00	2.18E+00	2.29E-01	<MDA	6.51E-02	<MDA
SR20-18	ET-6-2	353.7	2.97E+00	2.97E+00	2.72E-01	<MDA	6.30E-02	<MDA
SR20-19	ET-6-3	355.1	6.71E+00	6.71E+00	4.14E-01	<MDA	6.27E-02	<MDA
SR20-20	ET7-1	391.6	1.32E+00	1.32E+00	1.69E-01	1.20E-01	1.20E-01	4.21E-02
SR20-21	ET-7-2	394.9	2.76E+00	2.76E+00	2.44E-01	<MDA	8.73E-02	<MDA
SR20-22	ET-7-3	358.9	3.23E+00	3.23E+00	2.77E-01	<MDA	8.47E-02	<MDA
SR20-23	ET-8-1	384.7	8.36E+00	8.36E+00	4.62E-01	<MDA	5.78E-02	<MDA
SR20-24	ET-8-2	312.8	7.64E+00	7.64E+00	4.78E-01	<MDA	7.11E-02	<MDA
SR20-25	ET-8-3	337.1	4.20E+00	4.20E+00	3.34E-01	<MDA	6.60E-02	<MDA
SR20-26	ET-9-1	395.4	2.44E+01	2.44E+01	9.35E-01	4.35E-01	4.35E-01	8.05E-02
SR20-27	ET-9-2	368.5	9.59E+00	9.59E+00	5.11E-01	2.83E-01	2.83E-01	7.42E-02
SR20-28	ET-9-3	318.8	3.99E+00	3.99E+00	3.28E-01	2.24E-01	2.24E-01	6.37E-02
SR20-29	ET-10-1	373.4	1.68E+01	1.68E+01	7.30E-01	3.78E-01	3.78E-01	7.86E-02
SR20-30	ET-10-2	347.1	2.25E+01	2.25E+01	9.22E-01	8.37E-01	8.37E-01	1.43E-01
SR20-31	ET-10-3	304.6	2.98E+01	2.98E+01	1.16E+00	9.99E-01	9.99E-01	1.40E-01
SR20-32	ET-11-1	355.2	6.63E+00	6.63E+00	4.29E-01	2.36E-01	2.36E-01	6.91E-02
SR20-33	ET-11-2	311.4	3.97E+00	3.97E+00	3.29E-01	<MDA	7.14E-02	<MDA
SR20-34	ET-11-3	331.3	2.82E+00	2.82E+00	2.69E-01	<MDA	6.71E-02	<MDA
SR20-35	ET-12-1	371.4	2.82E+00	2.82E+00	2.52E-01	<MDA	6.01E-02	<MDA
SR20-36	ET-12-2	398.7	1.29E+00	1.29E+00	1.71E-01	<MDA	5.59E-02	<MDA
SR20-37	ET-12-3	444.3	4.71E-01	4.71E-01	8.99E-02	<MDA	5.02E-02	<MDA
SR20-38	ET-13-1	373.6	2.40E+00	2.40E+00	2.45E-01	<MDA	5.97E-02	<MDA
SR20-39	ET-13-2	474.6	2.91E+00	2.91E+00	2.32E-01	<MDA	4.70E-02	<MDA
SR20-40	ET-13-3	445.8	3.15E+00	3.15E+00	2.59E-01	1.74E-01	1.74E-01	5.02E-02
SR20-41	ET-14-1	372.6	3.40E+00	3.40E+00	2.85E-01	<MDA	5.99E-02	<MDA
SR20-42	ET-14-2	395.6	2.43E+01	2.43E+01	9.29E-01	4.87E-01	4.87E-01	8.51E-02
SR20-43	ET-14-3	429.0	1.06E+00	1.06E+00	1.39E-01	<MDA	5.20E-02	<MDA

SR-20 Plum Brook Stream Bed from Rt. 250 to Rt. 2 (Section E Phase 2)

Sample #	Location/ Depth	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR20-44	ET-15-1	466.7	3.89E-01	3.89E-01	1.01E-01	<MDA	4.78E-02	<MDA
SR20-45	ET-15-1-Q	397.8	2.65E-01	2.65E-01	8.34E-02	<MDA	5.58E-02	<MDA
SR20-46	ET-15-2	338.2	<MDA	6.65E-02	<MDA	<MDA	7.24E-02	<MDA
SR20-47	ET-15-2-Q	361.0	<MDA	4.82E-02	<MDA	<MDA	6.18E-02	<MDA
SR20-48	ET-15-3	424.8	<MDA	5.78E-02	<MDA	<MDA	5.26E-02	<MDA
SR20-49	ET-15-3-Q	348.0	<MDA	6.47E-02	<MDA	<MDA	6.41E-02	<MDA
SR20-50	ET-16-1	406.8	<MDA	8.02E-02	<MDA	<MDA	5.49E-02	<MDA
SR20-51	ET-16-2	403.6	<MDA	6.09E-02	<MDA	<MDA	5.53E-02	<MDA
SR20-52	ET-16-3	415.4	<MDA	8.74E-02	<MDA	<MDA	5.37E-02	<MDA
SR20-53	ET-17-1	414.5	9.14E-01	9.14E-01	1.52E-01	<MDA	5.38E-02	<MDA
SR20-54	ET-17-2	414.6	1.94E-01	1.94E-01	1.00E-01	<MDA	5.38E-02	<MDA
SR20-55	ET-17-3	409.7	1.59E-01	1.59E-01	7.27E-02	<MDA	5.38E-02	<MDA
SR20-56	ET-18-1	301.7	8.14E+00	8.14E+00	5.16E-01	<MDA	1.07E-01	<MDA
SR20-57	ET-18-2	320.8	5.45E+00	5.45E+00	3.93E-01	1.74E-01	1.74E-01	5.61E-02
SR20-58	ET-18-3	306.4	3.05E+00	3.05E+00	2.91E-01	<MDA	7.17E-02	<MDA
SR20-59	ET-19-1	347.3	2.04E+00	2.04E+00	2.27E-01	<MDA	6.43E-02	<MDA
SR20-60	ET-19-2	342.8	4.57E+00	4.57E+00	3.37E-01	<MDA	6.48E-02	<MDA
SR20-61	ET-19-3	416.6	3.89E-01	3.89E-01	1.03E-01	<MDA	5.36E-02	<MDA
SR20-62	ET-20-1	381.6	2.04E+00	2.04E+00	2.14E-01	<MDA	5.85E-02	<MDA
SR20-63	ET-20-2	419.6	2.93E-01	2.93E-01	9.35E-02	<MDA	5.32E-02	<MDA
SR20-64	ET-20-3	388.8	<MDA	6.80E-02	<MDA	<MDA	5.74E-02	<MDA
Number		64	55	64	55	13	64	13
Min		302	1.47E-01	4.82E-02	6.80E-02	1.20E-01	4.70E-02	4.21E-02
Max		474.6	2.98E+01	2.98E+01	1.16E+00	9.99E-01	9.99E-01	1.43E-01
Avg		378.4	5.69E+00	4.90E+00	3.41E-01	3.75E-01	1.30E-01	7.81E-02
SD		38.83	6.85E+00	6.64E+00	2.47E-01	2.66E-01	1.72E-01	3.07E-02

SR-21 - Waste Treatment Facility Property on Taylor Road

Sample #	Location	Weight (g)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR21-1	A1-SP1	348.8	1.69E-01	1.69E-01	8.16E-02	<MDA	6.37E-02	<MDA
SR21-2	A1-SP1Q	350.4	1.64E-01	1.64E-01	7.18E-02	<MDA	6.34E-02	<MDA
SR21-3	C1-SP2	335.7	3.53E-01	3.53E-01	1.00E-01	<MDA	7.27E-02	<MDA
SR21-4	B2-SP3	419.0	1.63E-01	1.63E-01	7.79E-02	<MDA	5.30E-02	<MDA
SR21-5	D2-SP4	415.1	<MDA	4.00E+00	<MDA	<MDA	5.35E-02	<MDA
SR21-6	A2-SP5	386.2	3.29E-01	3.29E-01	8.03E-02	<MDA	9.69E-02	<MDA
SR21-7	C2-SP6	407.4	<MDA	4.00E+00	<MDA	<MDA	5.46E-02	<MDA
SR21-8	B3-SP7	416.6	<MDA	4.00E+00	<MDA	<MDA	5.34E-02	<MDA
SR21-9	D3-SP8	416.3	1.18E-01	1.18E-01	5.47E-02	<MDA	5.34E-02	<MDA
SR21-10	A3-SP9	388.6	<MDA	4.00E+00	<MDA	<MDA	5.72E-02	<MDA
SR21-11	C3-SP10	377.6	1.49E-01	1.49E-01	5.44E-02	<MDA	5.89E-02	<MDA
SR21-12	E3-SP11	430.3	1.16E-01	1.16E-01	5.58E-02	<MDA	5.17E-02	<MDA
SR21-13	B4-SP12	420.6	<MDA	4.00E+00	<MDA	<MDA	5.28E-02	<MDA
SR21-14	D4-SP13	423.6	<MDA	4.00E+00	<MDA	<MDA	5.25E-02	<MDA
SR21-15	A4-SP14	390.7	1.00E-01	1.00E-01	4.39E-02	<MDA	5.69E-02	<MDA
SR21-16	C4-SP15	410.6	<MDA	4.00E+00	<MDA	<MDA	5.41E-02	<MDA
SR21-17	E4-SP16	442.0	<MDA	4.00E+00	<MDA	<MDA	5.03E-02	<MDA
Number		17	9	17	9	0	17	0
Min		335.7	1.00E-01	1.00E-01	4.39E-02	NA	5.03E-02	NA
Max		442.0	3.53E-01	4.00E+00	1.00E-01	NA	9.69E-02	NA
Avg		398.8	1.85E-01	1.98E+00	6.89E-02	NA	5.88E-02	NA
SD		30.68	9.21E-02	1.96E+00	1.79E-02	NA	1.13E-02	NA

SR-22 Residential Yards Adjacent to Plum Brook

Sample #	**Location**	**Weight (g)**	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR22-1	CLK RD 1	439.0	<MDA	4.40E-02	<MDA	<MDA	5.08E-02	<MDA
SR22-3	CLK RD 2	467.5	8.67E-02	8.67E-02	4.81E-02	<MDA	4.77E-02	<MDA
SR22-4	CLK RD 3	349.3	<MDA	9.07E-02	<MDA	<MDA	7.01E-02	<MDA
SR22-5	CLK RD 4	337.7	<MDA	9.24E-02	<MDA	<MDA	6.60E-02	<MDA
SR22-6	1201-1	363.9	1.61E-01	1.61E-01	7.16E-02	<MDA	6.11E-02	<MDA
SR22-7	1201-2	390.1	2.54E-01	2.54E-01	8.22E-02	<MDA	5.70E-02	<MDA
SR22-8	1201-3	400.6	2.71E-01	2.71E-01	8.27E-02	<MDA	6.57E-02	<MDA
SR22-9	1201-4	379.9	2.30E-01	2.30E-01	8.43E-02	<MDA	8.00E-02	<MDA
SR22-10	1107-1	428.6	1.77E+00	1.77E+00	1.86E-01	<MDA	5.19E-02	<MDA
SR22-11	1107-2	398.5	1.83E+00	1.83E+00	2.09E-01	<MDA	5.58E-02	<MDA
Number		10	7	10	7	0	10	0
Min		337.7	8.67E-02	4.40E-02	4.81E-02	NA	4.77E-02	NA
Max		467.5	1.83E+00	1.83E+00	2.09E-01	NA	8.00E-02	NA
Avg		395.5	6.58E-01	4.83E-01	1.09E-01	NA	6.06E-02	NA
SD		40.76	7.83E-01	6.99E-01	6.20E-02	NA	9.98E-03	NA

SR-33 Plum Brook Stream Bed – Misc Ponds and excavated piles of stream bed material on the Plum Brook Country Club golf course

Location	Sample Depth (in)	Weight (g)	Cs-137 pCi/g	Cs-137 w MDA values	Cs-137 2σ values	Co-60 pCi/g	Co-60 w MDA values	Co-60 2σ values
PBCC-1	0-6	138	1.25E-01	1.25E-01	9.28E-02	<MDA	1.30E-01	<MDA
PBCC-1	6-18	151.0	<MDA	1.20E-01	<MDA	<MDA	1.79E-01	<MDA
PBCC-1	18-30	143.0	<MDA	7.59E-02	<MDA	<MDA	1.13E-01	<MDA
PBCC-1	30-42	156.0	3.09E-01	3.09E-01	1.38E-01	<MDA	1.69E-01	<MDA
PBCC-1	42-52	152.0	<MDA	1.35E-01	<MDA	<MDA	1.97E-01	<MDA
PBCC-1	60-72	151.0	<MDA	1.39E-01	<MDA	<MDA	1.74E-01	<MDA
PBCC-1	72-78	144.0	<MDA	1.26E-01	<MDA	<MDA	1.87E-01	<MDA
PBCC-2	0-6	120.0	3.45E-01	3.45E-01	1.46E-01	<MDA	1.32E-01	<MDA
PBCC-2	6-18	158.0	<MDA	1.73E-01	<MDA	<MDA	1.90E-01	<MDA
PBCC-2	18-30	151.0	<MDA	1.20E-01	<MDA	<MDA	1.95E-01	<MDA
PBCC-2	30-42	153.0	<MDA	1.30E-01	<MDA	<MDA	1.76E-01	<MDA
PBCC-2	42-49.5	133.0	<MDA	1.02E-01	<MDA	<MDA	1.70E-01	<MDA
PBCC-2	60-75.5	152.0	<MDA	1.63E-01	<MDA	<MDA	1.73E-01	<MDA
PBCC-3	0-6	118.0	2.25E+00	2.25E+00	2.77E-01	2.26E-01	2.26E-01	7.07E-02
PBCC-3	6-18	140.0	8.85E-01	8.85E-01	2.52E-01	<MDA	1.47E-01	<MDA
PBCC-3	18-30	131.0	1.25E+00	1.25E+00	2.62E-01	<MDA	1.23E-01	<MDA
PBCC-3	30-38	142.0	3.23E-01	3.23E-01	1.48E-01	<MDA	1.86E-01	<MDA
PBCC-3	60-65	106.0	<MDA	1.77E-01	<MDA	<MDA	1.69E-01	<MDA
PBCC-4	0-6	122.0	7.13E-01	7.13E-01	2.12E-01	2.06E-01	2.06E-01	8.93E-02
PBCC-4	6-18	127.0	4.74E+00	4.74E+00	4.93E-01	<MDA	1.27E-01	<MDA
PBCC-4	18-30	123.0	2.14E+00	2.14E+00	2.59E-01	<MDA	1.20E-01	<MDA
PBCC-4	30-39	121.0	2.16E+00	2.16E+00	3.43E-01	<MDA	1.98E-01	<MDA
PBCC-4	60-72	132.0	2.32E-01	2.32E-01	1.54E-01	<MDA	1.12E-01	<MDA
PBCC-5	0-6	113.0	7.45E+00	7.45E+00	5.54E-01	3.70E-01	3.70E-01	9.81E-02
PBCC-5	6-18	121.0	1.70E+00	1.70E+00	3.15E-01	<MDA	1.34E-01	<MDA
PBCC-5	18-30	125.0	3.26E+00	3.26E+00	4.23E-01	<MDA	1.25E-01	<MDA
PBCC-5	30-40	125.0	1.39E+00	1.39E+00	2.85E-01	<MDA	1.25E-01	<MDA
PBCC-5	60-64	121.0	3.33E-01	3.33E-01	1.63E-01	<MDA	1.48E-01	<MDA
PBCC-6	0-6	123.0	7.17E-01	7.17E-01	2.51E-01	<MDA	1.31E-01	<MDA
PBCC-6	6-18	136.0	2.29E+00	2.29E+00	2.68E-01	1.77E-01	1.77E-01	8.70E-02
PBCC-6	18-30	125.0	2.05E+00	2.05E+00	3.06E-01	<MDA	1.08E-01	<MDA
PBCC-6	30-36	129.0	1.58E+00	1.58E+00	3.15E-01	<MDA	1.25E-01	<MDA
PBCC-6	60-65	89.0	5.53E-01	5.53E-01	1.61E-01	<MDA	1.14E-01	<MDA
PBCC-7E	0-6	120.0	2.21E+00	2.21E+00	2.95E-01	2.44E-01	2.44E-01	7.73E-02
PBCC-7W	0-6	127.0	8.52E+00	8.52E+00	6.91E-01	<MDA	1.27E-01	<MDA
S.Pond-5 Qualitative	109-115	42.3	1.12E+00	1.12E+00	3.56E-01	<MDA	1.90E-01	<MDA
S.Pond-S	115-130	108.9	2.76E+00	2.76E+00	3.05E-01	<MDA	7.15E-02	<MDA
S.Pond-M Qualitative	93-99	39.5	<MDA	4.51E-01	<MDA	<MDA	2.27E-01	<MDA
S.Pond-M	99-114	118.8	1.32E+00	1.32E+00	2.21E-01	<MDA	6.79E-02	<MDA
S.Pond N -	86-92	49.8	1.12E+00	1.12E+00	3.56E-01	<MDA	2.50E-01	<MDA

SR-33 Plum Brook Stream Bed – Misc Ponds and excavated piles of stream bed material on the Plum Brook Country Club golf course

Location	Sample Depth (in)	Weight (g)	Cs-137 pCi/g	Cs-137 w MDA values	Cs-137 2σ values	Co-60 pCi/g	Co-60 w MDA values	Co-60 2σ values
Qualitative								
S.Pond N	92-110	111.2	9.15E-01	9.15E-01	2.58E-01	<MDA	1.35E-01	<MDA
Number		41	29	41	29	5	41	5
Min		40.0	1.25E-01	7.59E-02	9.28E-02	1.77E-01	6.79E-02	7.07E-02
Max		158.0	8.52E+00	8.52E+00	6.91E-01	3.70E-01	3.70E-01	9.81E-02
Avg		124.1	1.89E+00	1.38E+00	2.86E-01	2.45E-01	1.63E-01	8.45E-02
SD		27.5	1.99E+00	1.84E+00	1.30E-01	7.43E-02	5.41E-02	1.07E-02

SR-33 Sample Data Report Note: This sample data report format differs slightly from the standard table format of this appendix. Sample depth is recorded in a separate column in the sample data report for this SR. To preserve space in this table, the sample number column is not included. The sample location and depth identification provide unique sample identification.

SR-34 Plum Brook Stream Bed - Sandusky Bay

Location	Sample is a Composite of:	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
BY-1-1	SR34-1 to SR34-2	<MDA	1.75E-01	<MDA	<MDA	1.86E-01	<MDA
BY-1-3	SR34-3 to SR34-6	<MDA	5.05E-02	<MDA	<MDA	7.57E-02	<MDA
BY-1-7	SR34-7 to SR34-10	<MDA	4.57E-02	<MDA	<MDA	6.84E-02	<MDA
BY-2-11	SR34-11 to SR34-12	<MDA	1.18E-01	<MDA	<MDA	1.75E-01	<MDA
BY-2-13	SR34-13 to SR34-16	<MDA	5.63E-02	<MDA	<MDA	7.36E-02	<MDA
BY-2-17	SR34-17 to SR34-20	<MDA	8.99E-02	<MDA	<MDA	1.09E+00	<MDA
BY-3-21	SR34-21 to SR34-22	<MDA	2.03E-01	<MDA	<MDA	1.56E-01	<MDA
BY-3-23	SR34-23 to SR34-26	<MDA	2.45E-01	<MDA	<MDA	2.51E-01	<MDA
BY-3-27	SR34-27 to SR34-30	<MDA	9.13E-02	<MDA	<MDA	1.51E-01	<MDA
BY-3-31	SR34-31 to SR34-33	<MDA	1.19E-01	<MDA	<MDA	7.71E-01	<MDA
BY-4-34	SR34-34 to SR34-35	<MDA	1.48E-01	<MDA	<MDA	1.93E-01	<MDA
BY-4-36	SR34-36 to SR34-39	<MDA	5.56E-02	<MDA	<MDA	7.70E-02	<MDA
BY-4-40	SR34-40 to SR34-44	<MDA	3.79E-02	<MDA	<MDA	5.77E-02	<MDA
BY-5-45	SR34-45 to SR34-46	2.14E+00	2.14E+00	7.68E-01	<MDA	1.12E+00	<MDA
BY-5-47	SR-34-47 to SR34-50	<MDA	8.00E-02	<MDA	<MDA	6.51E-02	<MDA
BY-5-51	SR34-51 to SR34-54	<MDA	6.87E-02	<MDA	<MDA	6.89E-02	<MDA
BY-5-55	SR34-55 to SR34-56	1.39E-01	1.39E-01	6.22E-02	<MDA	6.06E-02	<MDA
BY-5-57	SR-34-57 to SR34-60	<MDA	4.77E-02	<MDA	<MDA	7.12E-02	<MDA
BY-5-61	SR34-61 to SR34-63	<MDA	7.92E-02	<MDA	<MDA	8.23E-02	<MDA
BY-5-64	SR34-64 to SR34-65	<MDA	6.53E-02	<MDA	<MDA	8.72E-02	<MDA
BY-5-66	SR34-66 to SR34-69	<MDA	6.19E-02	<MDA	<MDA	7.56E-02	<MDA
BY-5-70	SR34-70 to SR34-71	<MDA	6.26E-02	<MDA	<MDA	9.36E-02	<MDA
BY-6-72	SR34-72 to SR34-73	<MDA	8.37E-01	<MDA	<MDA	7.75E-01	<MDA
BY-6-74	SR34-74 to SR34-77	2.57E+00	2.57E+00	2.53E-01	<MDA	7.67E-02	<MDA
BY-6-78	SR34-78 to SR34-80	<MDA	1.93E-01	<MDA	<MDA	1.82E-01	<MDA
BY-7-81	SR34-81 to SR34-82	<MDA	4.77E-01	<MDA	<MDA	3.62E-01	<MDA
BY-7-83	SR34-83 to SR34-86	<MDA	6.69E-02	<MDA	<MDA	6.23E-02	<MDA
BY-7-87	SR34-87 to SR34-90	<MDA	4.07E-01	<MDA	<MDA	3.36E-01	<MDA
BY-7-91	SR34-91 to SR34-93	<MDA	1.26E-01	<MDA	<MDA	7.57E-01	<MDA
BY-8-94	SR34-94 to SR34-95	<MDA	7.51E-01	<MDA	<MDA	3.99E-01	<MDA
BY-8-96	SR34-96 to SR34-99	1.02E+00	1.02E+00	4.75E-01	<MDA	3.99E-01	<MDA
BY-8-100	SR34-100 to SR34-102	3.41E-01	3.41E-01	3.07E-01	<MDA	2.30E-01	<MDA
BY-9-103	SR34-103 to SR34-104	<MDA	2.40E-01	<MDA	<MDA	1.48E-01	<MDA
BY-9-105	SR34-105 to SR34-108	<MDA	3.47E-01	<MDA	<MDA	2.04E-01	<MDA
BY-9-109	SR34-109 to SR34-110	1.49E-01	1.49E-01	7.15E-02	<MDA	6.63E-02	<MDA
BY-10-111	SR34-111 to SR34-112	<MDA	6.62E-01	<MDA	<MDA	4.86E-01	<MDA
BY-10-113	SR34-113 to SR34-116	4.35E-01	4.35E-01	2.88E-01	<MDA	1.81E-01	<MDA
BY-10-117	SR34-117 to SR34-119	<MDA	4.43E-01	<MDA	<MDA	2.82E-01	<MDA
BY-10-120	SR34-120 to SR34-121	2.28E-01	2.28E-01	1.04E-01	<MDA	1.31E-01	<MDA
BY-10-122	SR34-122 to SR34-126	<MDA	1.29E-01	<MDA	<MDA	1.92E-01	<MDA
BY-11-127	SR34-127 to SR34-128	<MDA	4.01E-01	<MDA	<MDA	3.36E-01	<MDA
BY-11-129	SR34-129 to SR34-132	<MDA	2.45E-01	<MDA	<MDA	1.89E-01	<MDA

SR-34 Plum Brook Stream Bed - Sandusky Bay

Location	Sample is a Composite of:	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
BY-11-133	SR34-133 to SR34-136	<MDA	1.35E-01	<MDA	<MDA	2.00E-01	<MDA
BY-11-137	SR34-137 to SR34-138	<MDA	1.10E-01	<MDA	<MDA	1.15E-01	<MDA
BY-12-139	SR34-139 to SR34-140	5.47E-01	5.47E-01	2.08E-01	<MDA	1.69E-01	<MDA
BY-12-141	SR34-141 to SR34-144	<MDA	8.01E-02	<MDA	<MDA	6.40E-02	<MDA
BY-12-145	SR34-145 to SR34-146	<MDA	1.21E-01	<MDA	<MDA	1.21E-01	<MDA
BY-13-147	SR34-147 to SR34-148	<MDA	2.01E-01	<MDA	<MDA	1.15E-01	<MDA
BY-13-149	SR34-149 to SR34-152	<MDA	2.14E-01	<MDA	9.43E-01	9.43E-01	3.35E-01
BY-13-153	SR34-153 to SR34-156	<MDA	1.39E-01	<MDA	<MDA	1.39E-01	<MDA
BY-13-157	SR34-157 to SR34-161	<MDA	4.58E-02	<MDA	<MDA	6.86E-02	<MDA
BY-16-162	SR34-162 to SR34-163	4.74E-01	4.74E-01	2.09E-01	<MDA	1.22E-01	<MDA
BY-16-164	SR34-164 to SR34-167	<MDA	2.04E-01	<MDA	<MDA	2.42E-01	<MDA
BY-16-168	SR34-168 to SR34-170	2.06E-01	2.06E-01	1.29E-01	<MDA	1.44E-01	<MDA
BY-17-171	SR34-171 to SR34-172	<MDA	1.58E-01	<MDA	<MDA	1.94E-01	<MDA
BY-17-173	SR34-173 to ST34-177	<MDA	4.22E-02	<MDA	<MDA	6.21E-02	<MDA
BY-15-178	SR34-178 to SR34-179	6.27E-01	6.27E-01	2.74E-01	7.68E-01	7.68E-01	2.21E-01
BY-15-180	SR34-180 to SR34-183	<MDA	4.66E-01	<MDA	<MDA	2.55E-01	<MDA
BY-15-184	SR34-184 to SR34-187	<MDA	1.76E-01	<MDA	<MDA	2.28E-01	<MDA
BY-15-188	SR34-188 to SR34-189	<MDA	1.58E-01	<MDA	3.48E-01	3.48E-01	1.01E-01
BY-15-190	SR34-190 to SR34-193	<MDA	6.55E-02	<MDA	<MDA	9.77E-02	<MDA
BY-15-194	SR34-194 to SR34-197	<MDA	5.19E-02	<MDA	<MDA	7.76E-02	<MDA
BY-14-198	SR34-198 to SR34-199	<MDA	4.91E-01	<MDA	<MDA	4.21E-01	<MDA
BY-14-200	SR34-200 to SR34-203	<MDA	2.96E-01	<MDA	<MDA	1.86E-01	<MDA
BY-14-204	SR34-204 to SR34-207	<MDA	3.85E-01	<MDA	<MDA	1.95E-01	<MDA
BY-14-208	SR34-208 to SR34-209A	8.77E-01	8.77E-01	4.14E-01	<MDA	3.11E-01	<MDA
BY-18-210	SR34-210 to SR34-211	<MDA	8.75E-01	<MDA	<MDA	5.48E-01	<MDA
BY-18-212	SR34-212 to SR34-215	<MDA	3.59E-01	<MDA	<MDA	3.30E-01	<MDA
BY-18-216	SR34-216 to SR34-219	<MDA	4.92E-01	<MDA	<MDA	3.63E-01	<MDA
BY-18-220	SR34-220 to SR34-223	<MDA	3.70E-01	<MDA	<MDA	2.04E-01	<MDA
BY-19-224	SR34-224 to SR34-225	3.22E+00	3.22E+00	1.50E+00	<MDA	1.74E+00	<MDA
BY-19-226	SR34-226 to SR34-229	8.08E-01	8.08E-01	3.94E-01	<MDA	3.01E-01	<MDA
BY-19-230	SR34-230 to SR34-233	<MDA	1.21E-01	<MDA	<MDA	7.74E-02	<MDA
BY-19-234	SR34-234 to SR34-235	<MDA	1.34E-01	<MDA	<MDA	1.25E-01	<MDA
BY-19-236	SR34-236 to SR34-239	<MDA	6.04E-02	<MDA	<MDA	9.02E-02	<MDA
BY-19-240	SR34-240 to SR34-243	<MDA	7.69E-02	<MDA	<MDA	6.75E-02	<MDA
BY-19-244	SR34-244 to SR34-245	<MDA	9.80E-02	<MDA	<MDA	1.45E-01	<MDA
BY-20-246	SR34-246 to SR34-247	<MDA	1.86E-01	<MDA	<MDA	1.08E-01	<MDA
BY-20-248	SR34-248 to SR34-251	1.58E-01	1.58E-01	6.93E-02	<MDA	1.23E-01	<MDA
BY-20-252	SR34-252 to SR34-255	<MDA	5.98E-02	<MDA	<MDA	6.63E-02	<MDA
BY-20-256	SR34-256 to SR34-259	<MDA	5.46E-02	<MDA	<MDA	6.28E-02	<MDA
BY-21-260	SR34-260 to SR34-261	<MDA	4.38E-01	<MDA	<MDA	2.13E-01	<MDA
BY-21-262	SR34-262 to SR34-265	<MDA	1.98E-01	<MDA	<MDA	1.58E-01	<MDA
BY-21-266	SR34-266 to SR34-269	<MDA	1.45E-01	<MDA	<MDA	1.30E-01	<MDA
BY-21-270	SR34-270 to SR34-271	<MDA	7.62E-02	<MDA	<MDA	1.13E-01	<MDA

SR-34 Plum Brook Stream Bed - Sandusky Bay

Location	Sample is a Composite of:	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
BY-21-272	SR34-272 to SR34-273	<MDA	1.41E-01	<MDA	<MDA	1.75E-01	<MDA
BY-21-274	SR34-274 to SR34-277	<MDA	1.54E-01	<MDA	<MDA	1.81E-01	<MDA
BY-21-278	SR34-278 to SR34-280	<MDA	1.63E-01	<MDA	<MDA	1.65E-01	<MDA
BY-22-281	SR34-281 to SR34-282	<MDA	2.05E-01	<MDA	<MDA	2.05E-01	<MDA
BY-22-283	SR34-283 to SR34-288	<MDA	1.94E-01	<MDA	<MDA	1.89E-01	<MDA
BY-22-289	SR34-289 to SR34-290	<MDA	2.20E-01	<MDA	<MDA	2.49E-01	<MDA
BY-22-291	SR34-291 to SR34-294	<MDA	1.66E-01	<MDA	<MDA	1.91E-01	<MDA
BY-22-295	SR34-295 to SR34-297	<MDA	1.57E-01	<MDA	<MDA	1.69E-01	<MDA
BY-23-298	SR34-298 to SR34-299	4.58E-01	4.58E-01	2.17E-01	<MDA	2.18E-01	<MDA
BY-23-300	SR34-300 to SR34-301	<MDA	2.30E-01	<MDA	<MDA	3.48E-01	<MDA
BY-24-302	SR34-302 to SR34-303	<MDA	3.04E-01	<MDA	<MDA	1.89E-01	<MDA
BY-24-304	SR34-304 to SR34-306	<MDA	2.38E-01	<MDA	<MDA	1.58E-01	<MDA
BY-25-307	SR34-307 to SR34-308	<MDA	1.42E-01	<MDA	<MDA	1.76E-01	<MDA
BY-25-309	SR34-309 to SR34-311	<MDA	1.20E-01	<MDA	<MDA	1.62E-01	<MDA
BY-26-312	SR34-312 to SR34-313	<MDA	1.05E-01	<MDA	<MDA	1.63E-01	<MDA
BY-26-314	SR34-314 to SR34-315	<MDA	1.08E-01	<MDA	<MDA	1.61E-01	<MDA
BY-27-316	SR34-316 to SR34-317	3.16E-01	3.16E-01	1.57E-01	<MDA	1.14E-01	<MDA
BY-27-318	SR34-318 to SR34-320	<MDA	1.08E-01	<MDA	<MDA	1.60E-01	<MDA
BY-28-321	SR34-321 to SR34-322	1.07E+00	1.07E+00	3.56E-01	<MDA	1.89E-01	<MDA
BY-28-323	SR34-323 to SR34-326	<MDA	1.76E-01	<MDA	<MDA	1.14E-01	<MDA
BY-29-327	SR34-327 to SR34-328	5.58E-01	5.58E-01	2.95E-01	<MDA	3.01E-01	<MDA
BY-29-329	SR34-329 to SR34-330	<MDA	5.64E-01	<MDA	<MDA	5.88E-01	<MDA
BY-30-331	SR34-331 to SR34-332	3.59E-01	3.59E-01	2.42E-01	<MDA	1.98E-01	<MDA
BY-30-333	SR34-333 to SR34-334	<MDA	6.31E-01	<MDA	<MDA	5.41E-01	<MDA
BY-31-335	SR34-335 to SR34-336	4.67E-01	4.67E-01	2.67E-01	<MDA	1.58E-01	<MDA
BY-31-337	SR34-337 to SR34-338	<MDA	3.62E-01	<MDA	<MDA	3.82E-01	<MDA
BY-32-339	SR34-339 to SR34-340	5.91E-01	5.91E-01	2.60E-01	<MDA	1.92E-01	<MDA
BY-32-341	SR34-341 to SR32-345	<MDA	1.09E-01	<MDA	<MDA	1.61E-01	<MDA
BY-33-346	SR34-346 to SR34-347	<MDA	1.50E-01	<MDA	<MDA	1.47E-01	<MDA
BY-33-348	SR34-348 to SR34-351	<MDA	1.65E-01	<MDA	<MDA	1.18E-01	<MDA
BY-34-352	SR34-352 to SR34-353	<MDA	2.29E-01	<MDA	<MDA	1.62E-01	<MDA
BY-34-354	SR34-354	<MDA	8.28E-01	<MDA	<MDA	1.09E+00	<MDA
BY-35-355	SR34-355 to SR34-356	<MDA	2.83E-01	<MDA	<MDA	2.01E-01	<MDA
BY-35-357	SR34-357 to SR34-360	<MDA	1.04E-01	<MDA	<MDA	1.14E-01	<MDA
BY-35-361	SR34-361 to SR34-363	<MDA	8.04E-02	<MDA	<MDA	6.68E-02	<MDA
BY-36-364	SR34-364 to SR34-365	<MDA	4.81E-01	<MDA	<MDA	2.40E-01	<MDA
BY-36-366	SR34-366 to SR34-370	<MDA	2.04E-01	<MDA	<MDA	1.03E-01	<MDA
BY-37-371	SR34-371	3.88E+00	3.88E+00	1.36E+00	<MDA	1.23E+00	<MDA
BY-38-372	SR34-372	3.06E+00	3.06E+00	1.30E+00	<MDA	1.20E+00	<MDA
BY-39-373	SR34-373 to SR34-374	5.32E-01	5.32E-01	2.62E-01	<MDA	1.84E-01	<MDA
BY-39-375	SR34-375 to SR34-378	<MDA	2.13E-01	<MDA	<MDA	9.53E-02	<MDA
BY-39-379	SR34-379 to SR34-381	<MDA	1.10E-01	<MDA	<MDA	9.54E-02	<MDA
BY-40-382	SR34-382 to SR34-383	2.40E-01	2.40E-01	1.98E-01	<MDA	1.40E-01	<MDA

SR-34 Plum Brook Stream Bed - Sandusky Bay

Location	Sample is a Composite of:		Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
BY-40-384	SR34-384		2.08E+00	2.08E+00	9.87E-01	<MDA	5.97E-01	
BY-41-385	SR34-385 to SR34-386		1.09E+00	1.09E+00	3.45E-01	2.09E-01	2.09E-01	1.21E-01
BY-41-387	SR34-387 to SR34-390		<MDA	2.22E-01	<MDA	<MDA	1.88E-01	<MDA
BY-42-391	SR34-391 to SR34-392		<MDA	3.85E-01	<MDA	<MDA	2.23E-01	<MDA
BY-42-393	SR34-393 to SR34-396		<MDA	1.23E-01	<MDA	<MDA	1.12E-01	<MDA
BY-43-397	SR34-397 to SR34-398		<MDA	3.60E-01	<MDA	<MDA	2.46E-01	<MDA
BY-43-399	SR34-399 to SR34-402		<MDA	2.21E-01	<MDA	<MDA	1.66E-01	<MDA
BY-43-403	SR34-403 to SR34-404		2.07E-01	2.07E-01	8.86E-01	<MDA	1.33E-01	<MDA
BY-44-405	SR34-405 to SR34-406		9.71E-01	9.71E-01	3.29E-01	<MDA	2.81E-01	<MDA
BY-44-407	SR34-407		7.95E-01	7.95E-01	3.96E-01	<MDA	3.08E-01	<MDA
BY-5-55	SR34-55 to SR34-56		1.16E-01	1.16E-01	6.04E-02	<MDA	5.52E-02	<MDA
BY-6-74	SR34-74 to SR34-77		7.44E-01	7.44E-01	1.38E-01	<MDA	7.13E-02	<MDA
BY-7-83	SR34-83 to SR34-86		5.95E-01	5.95E-01	1.27E-01	<MDA	6.75E-02	<MDA
BY-9-109	SR34-109 to SR34-110		7.28E-01	7.28E-01	1.39E-01	<MDA	6.97E-02	<MDA
Number			36	142	36	4	142	4
Min			1.16E-01	3.79E-02	6.04E-02	2.09E-01	5.52E-02	1.01E-01
Max			3.88E+00	3.88E+00	1.50E+00	9.43E-01	1.74E+00	3.35E-01
Avg			9.11E-01	3.95E-01	3.85E-01	5.67E-01	2.50E-01	1.94E-01
SD			9.46E-01	5.82E-01	3.72E-01	3.45E-01	2.67E-01	1.07E-01

SR-34 Sample Data Report Note: This sample data report format is slightly different from the standard table format of this appendix. Core samples were collected at 44 locations designated by location codes BY-1 to BY-44. Cores were divided into three inch sections. These were composited to obtain depth samples for the 0 to 6 in., 6 to 18 in. and 18 to 30 in. depths (when sufficient recovery was obtained). The sample compositing identification is given in columns two and three. To preserve space in the table, the sample number and sample weight columns are not included.

SR-39 Plum Brook Stream Bed Mouth of Plum Brook at Sandusky Bay (US Rt. 6 to Sandusky Bay)

Sample #	Location	Sample Depth (in)	Cs-137 (pci/g)	Cs-137 w MDA values (pci/g)	Cs-137 2σ values (pci/g)	Co-60 (pci/g)	Co-60 w MDA values	Co-60 2σ values (pCi/g)
SR-39-1	SM1-2	0-6	1.15E+00	1.15E+00	3.28E-01	<MDA	2.52E-01	<MDA
SR-39-1	SM1-2	6-18	1.66E+00	1.66E+00	2.26E-01	<MDA	1.14E-01	<MDA
SR-39-1	SM1-2	18-30	2.23E+00	2.23E+00	2.47E-01	<MDA	8.00E-02	<MDA
SR-39-1	SM1-2	30-42	3.05E+00	3.05E+00	2.94E-01	1.11E-01	1.11E-01	5.35E-02
SR-39-1	SM1-2	42-54	5.72E+00	5.72E+00	4.34E-01	<MDA	6.98E-02	<MDA
SR-39-1	SM1-2	54-66	7.74E+00	7.74E+00	5.44E-01	2.56E-01	2.56E-01	8.79E-02
SR-39-1	SM1-2	66-78	9.58E-01	9.58E-01	2.15E-01	<MDA	8.75E-02	>MDA
SR-39-1	SM1-2	78-85	<MDA	4.24E-02	<MDA	<MDA	6.39E-02	>MDA
SR-39-1	SM1-2QC	0-6	9.45E-01	9.45E-01	3.04E-01	<MDA	2.65E-01	<MDA
SR-39-1	SM1-2QC	6-18	1.31E+00	1.31E+00	1.79E-01	<MDA	6.49E-02	<MDA
SR-39-1	SM1-2QC	18-30	2.20E+00	2.20E+00	2.54E-01	<MDA	7.75E-02	<MDA
SR-39-1	SM1-2QC	30-42	3.18E+00	3.18E+00	2.89E-01	<MDA	1.04E-01	<MDA
SR-39-1	SM1-2QC	42-54	5.47E+00	5.47E+00	4.15E-01	<MDA	1.64E-01	<MDA
SR-39-2	SM1-4	0-6	3.35E+00	3.35E+00	2.96E-01	<MDA	8.07E-02	<MDA
SR-39-2	SM1-4	6-18	1.17E+01	1.17E+01	6.39E-01	2.49E-01	2.49E-01	6.38E-02
SR-39-2	SM1-4	18-30	4.11E+00	4.11E+00	3.43E-01	<MDA	6.30E-02	<MDA
SR-39-2	SM1-4	30-42	2.88E+00	2.88E+00	2.92E-01	<MDA	6.81E-02	<MDA
SR-39-2	SM1-4	42-54	2.02E+00	2.02E+00	2.25E-01	<MDA	5.86E-02	<MDA
SR-39-3	SM1-1A	0-6	<MDA	1.48E-01	<MDA	<MDA	2.21E-01	<MDA
SR-39-3	SM1-1A	6-18	<MDA	1.15E-01	<MDA	<MDA	1.71E-01	<MDA
SR-39-3	SM1-1A	18-28	5.70E-01	5.70E-01	2.29E-01	<MDA	2.50E-01	<MDA
SR-39-4	SM1-1B	0-6	<MDA	1.23E-01	<MDA	<MDA	1.83E-01	<MDA
SR-39-4	SM1-1B	6-18	<MDA	1.54E-01	<MDA	<MDA	2.18E-01	<MDA
SR-39-4	SM1-1B	18-30	<MDA	1.57E-01	<MDA	<MDA	2.33E-01	<MDA
SR-39-4	SM1-1B	30-42	<MDA	1.82E-01	<MDA	<MDA	2.47E-01	<MDA
SR-39-4	SM1-1B	42-58.5	<MDA	5.09E-02	<MDA	<MDA	5.57E-02	<MDA
SR-39-5	SM1-3	0-6	9.35E-01	9.35E-01	3.37E-01	<MDA	3.25E-01	<MDA
SR-39-5	SM1-3	6-18	<MDA	2.68E-01	<MDA	<MDA	2.44E-01	<MDA
SR-39-5	SM1-3	18-30	<MDA	2.36E-01	<MDA	<MDA	3.47E-01	<MDA
SR-39-5	SM1-3	30-42	<MDA	2.34E-01	<MDA	<MDA	3.48E-01	<MDA
SR-39-5	SM1-3	42-49	<MDA	1.40E-01	<MDA	<MDA	2.08E-01	<MDA
SR-39-6	SM2-1	0-6	<MDA	2.35E-01	<MDA	<MDA	2.15E-01	<MDA
SR-39-6	SM2-1	6-18	<MDA	6.22E-02	<MDA	<MDA	5.17E-02	<MDA
SR-39-6	SM2-1	18-30	<MDA	4.96E-02	<MDA	<MDA	7.44E-02	<MDA
SR-39-6	SM2-1	30-47	<MDA	6.40E-02	<MDA	<MDA	5.14E-02	<MDA
SR-39-7	SM2-2	0-6	3.00E-01	3.00E-01	1.46E-01	<MDA	1.93E-01	<MDA
SR-39-7	SM2-2	6-18	<MDA	4.70E-02	<MDA	<MDA	7.16E-02	<MDA
SR-39-7	SM2-2	18-30	<MDA	3.79E-02	<MDA	<MDA	5.66E-02	<MDA
SR-39-7	SM2-2	30-47	<MDA	6.25E-02	<MDA	<MDA	5.05E-02	<MDA
SR-39-8	SM2-3	0-6	7.60E-01	7.60E-01	3.43E-01	<MDA	2.40E-01	<MDA
SR-39-8	SM2-3	6-18	<MDA	2.30E-01	<MDA	<MDA	2.31E-01	<MDA
SR-39-8	SM2-3	18-30	<MDA	1.74E-01	<MDA	<MDA	2.54E-01	<MDA

SR-39 Plum Brook Stream Bed Mouth of Plum Brook at Sandusky Bay (US Rt. 6 to Sandusky Bay)

Sample #	Location	Sample Depth (in)	Cs-137 (pci/g)	Cs-137 w MDA values (pci/g)	Cs-137 2σ values (pci/g)	Co-60 (pci/g)	Co-60 w MDA values	Co-60 2σ values (pCi/g)
SR-39-8	SM2-3	30-42	<MDA	4.04E-02	<MDA	<MDA	6.04E-02	<MDA
SR-39-8	SM2-3	42-49	<MDA	1.39E-01	<MDA	<MDA	1.88E-01	<MDA
SR-39-9	SM2-4	0-6	8.47E-01	8.47E-01	3.47E-01	<MDA	3.80E-01	<MDA
SR-39-9	SM2-4	6-18	<MDA	2.35E-01	<MDA	<MDA	2.62E-01	<MDA
SR-39-9	SM2-4	18-30	4.52E-01	4.52E-01	2.70E-01	<MDA	2.06E-01	<MDA
SR-39-9	SM2-4	30-42	<MDA	1.92E-01	<MDA	<MDA	2.85E-01	<MDA
SR-39-9	SM2-4	42-49	<MDA	1.95E-01	<MDA	<MDA	2.12E-01	<MDA
SR-39-10	SM2-5	0-6	1.28E+00	1.28E+00	3.80E-01	<MDA	2.95E-01	<MDA
SR-39-10	SM2-5	6-18	<MDA	1.79E-01	<MDA	<MDA	2.67E-01	<MDA
SR-39-10	SM2-5	18-30	<MDA	3.47E-01	<MDA	<MDA	3.47E-01	<MDA
SR-39-10	SM2-5	30-42	<MDA	4.61E-01	<MDA	<MDA	3.78E-01	<MDA
SR-39-10	SM2-5	42-48	<MDA	1.68E-01	<MDA	<MDA	2.19E-01	<MDA
SR-39-11	SM2-6	0-6	1.26E+00	1.26E+00	4.48E-01	<MDA	3.01E-01	<MDA
SR-39-11	SM2-6	6-18	<MDA	2.47E-01	<MDA	<MDA	2.91E-01	<MDA
SR-39-11	SM2-6	18-30	<MDA	2.86E-01	<MDA	<MDA	3.54E-01	<MDA
SR-39-11	SM2-6	30-38	<MDA	1.77E-01	<MDA	<MDA	2.58E-01	<MDA
SR-39-12	SM3-1	0-6	<MDA	1.74E-01	<MDA	<MDA	1.89E-01	<MDA
SR-39-12	SM3-1	6-18	<MDA	4.60E-02	<MDA	<MDA	5.54E-02	<MDA
SR-39-12	SM3-1	18-24	<MDA	1.46E-01	<MDA	<MDA	2.12E-01	<MDA
SR-39-13	SM4-1	0-6	4.51E-01	4.51E-01	2.26E-01	<MDA	3.08E-01	<MDA
SR-39-13	SM4-1	6-18	<MDA	6.28E-02	<MDA	<MDA	7.04E-02	<MDA
SR-39-13	SM4-1	18-33	<MDA	6.10E-02	<MDA	<MDA	4.72E-02	<MDA
SR-39-14	SM4-2	0-6	<MDA	2.16E-01	<MDA	<MDA	2.03E-01	<MDA
SR-39-14	SM4-2	6-18	<MDA	6.09E-02	<MDA	<MDA	6.64E-02	<MDA
SR-39-14	SM4-2	18-31	<MDA	5.95E-02	<MDA	<MDA	5.44E-02	<MDA
SR-39-15	SM3-2	0-6	1.03E+00	1.03E+00	3.53E-01	<MDA	3.30E-01	<MDA
SR-39-15	SM3-2	6-18	<MDA	1.89E-01	<MDA	<MDA	2.33E-01	<MDA
SR-39-15	SM3-2	18-33	<MDA	5.92E-02	<MDA	<MDA	5.41E-02	<MDA
SR-39-16	SMDUP-BY37	0-6	1.88E-01	1.88E-01	7.12E-02	<MDA	7.37E-02	<MDA
SR-39-16	SMDUP-BY37	6-18	<MDA	8.81E-02	<MDA	<MDA	1.32E-01	<MDA
SR-39-16	SMDUP-BY37	18-30	<MDA	1.24E-01	<MDA	<MDA	1.38E-01	<MDA
SR-39-16	SMDUP-BY37	30-42	<MDA	7.57E-02	<MDA	<MDA	1.13E-01	<MDA
SR-39-16	SMDUP-BY37	42-54	<MDA	6.45E-02	<MDA	<MDA	9.64E-02	<MDA
SR-39-17	SM-BOGERT-1	0-6	2.32E-01	2.32E-01	1.04E-01	<MDA	5.99E-02	<MDA
SR-39-17	SM-BOGERT-1	6-18	7.26E-01	7.26E-01	1.62E-01	<MDA	6.42E-02	<MDA
SR-39-17	SM-BOGERT-1	18-30	3.36E-01	3.36E-01	1.00E-01	<MDA	6.52E-02	<MDA
SR-39-17	SM-	30-42	3.21E-01	3.21E-01	1.24E-01	<MDA	6.76E-02	<MDA

SR-39 Plum Brook Stream Bed Mouth of Plum Brook at Sandusky Bay (US Rt. 6 to Sandusky Bay)

Sample #	Location	Sample Depth (in)	Cs-137 (pci/g)	Cs-137 w MDA values (pci/g)	Cs-137 2σ values (pci/g)	Co-60 (pci/g)	Co-60 w MDA values	Co-60 2σ values (pCi/g)
	BOGERT-1							
SR-39-18	SM-TRIB-1	0-6	5.24E-01	5.24E-01	1.22E-01	<MDA	1.28E-01	<MDA
SR-39-18	SM-TRIB-1	6-18	1.15E+00	1.15E+00	1.96E-01	<MDA	6.77E-02	<MDA
SR-39-18	SM-TRIB-1	18-30	4.52E-01	4.52E-01	1.33E-01	<MDA	8.54E-02	<MDA
SR-39-18	SM-TRIB-1	30-42	<MDA	6.20E-02	<MDA	<MDA	8.84E-02	<MDA
SR-39-18	SM-TRIB-1	42-54	<MDA	6.55E-02	<MDA	<MDA	9.76E-02	<MDA
SR-39-19	SM-TRIB-2	0-6	6.07E-01	6.07E-01	1.43E-01	<MDA	6.97E-02	<MDA
SR-39-19	SM-TRIB-2	6-18	7.58E-01	7.58E-01	1.55E-01	<MDA	6.47E-02	<MDA
SR-39-19	SM-TRIB-2	18-30	<MDA	5.34E-02	<MDA	<MDA	6.32E-02	<MDA
SR-39-19	SM-TRIB-2	30-45.5	<MDA	4.13E-02	<MDA	<MDA	8.02E-02	<MDA
SR-39-20	SM3-3	0-6	8.94E-01	8.94E-01	1.83E-01	<MDA	7.93E-02	<MDA
SR-39-20	SM3-3	6-18	7.73E-01	7.73E-01	1.38E-01	<MDA	6.59E-02	<MDA
SR-39-20	SM3-3	18-30	<MDA	6.23E-02	<MDA	<MDA	7.37E-02	<MDA
SR-39-20	SM3-3	30-42	2.28E-01	2.28E-01	1.14E-01	<MDA	1.07E-01	<MDA
SR-39-20	SM3-3	42-54	<MDA	7.36E-02	<MDA	<MDA	1.10E-01	<MDA
SR-39-21	SM3-4	0-6	6.76E-01	6.76E-01	2.56E-01	<MDA	2.60E-01	<MDA
SR-39-21	SM3-4	6-18	<MDA	2.43E-01	<MDA	<MDA	3.60E-01	<MDA
SR-39-21	SM3-4	18-30	<MDA	2.28E-01	<MDA	<MDA	3.39E-01	<MDA
SR-39-21	SM3-4	30-42	<MDA	2.29E-01	<MDA	<MDA	2.92E-01	<MDA
SR-39-21	SM3-4	42-54	<MDA	2.30E-01	<MDA	<MDA	3.41E-01	<MDA
SR-39-21	SM3-4QC	0-6	5.54E-01	5.54E-01	2.32E-01	<MDA	2.64E-01	<MDA
SR-39-21	SM3-4QC	6-18	<MDA	2.39E-01	<MDA	<MDA	3.55E-01	<MDA
SR-39-21	SM3-4QC	18-30	<MDA	2.55E-01	<MDA	<MDA	3.45E-01	<MDA
SR-39-21	SM3-4QC	30-42	<MDA	2.64E-01	<MDA	<MDA	2.68E-01	<MDA
SR-39-21	SM3-4QC	42-54	<MDA	2.19E-01	<MDA	<MDA	3.27E-01	<MDA
SR-39-22	SM4-3	0-6	4.31E-01	4.31E-01	1.08E-01	<MDA	7.54E-02	<MDA
SR-39-22	SM4-3	6-18	2.32E+00	2.32E+00	2.87E-01	<MDA	1.60E-01	<MDA
SR-39-22	SM4-3	18-30	4.90E-01	4.90E-01	1.97E-01	<MDA	2.15E-01	<MDA
SR-39-22	SM4-3	30-42	<MDA	2.52E-01	<MDA	<MDA	2.70E-01	<MDA
SR-39-23	SM5-2	0-6	5.36E-01	5.36E-01	2.24E-01	<MDA	2.55E-01	<MDA
SR-39-23	SM5-2	6-18	<MDA	1.39E-01	<MDA	<MDA	2.03E-01	<MDA
SR-39-23	SM5-2	18-29.5	<MDA	1.52E-01	<MDA	<MDA	1.78E-01	<MDA
SR-39-24	SM5-3	0-6	<MDA	4.21E-01	<MDA	<MDA	3.66E-01	<MDA
SR-39-24	SM5-3	6-18	1.30E+00	1.30E+00	3.39E-01	<MDA	2.05E-01	<MDA
SR-39-24	SM5-3	18-28	8.02E-01	8.02E-01	2.94E-01	<MDA	2.93E-01	<MDA
SR-39-25	SM5-4	0-6	3.62E-01	3.62E-01	1.38E-01	<MDA	1.42E-01	<MDA
SR-39-25	SM5-4	6-18	<MDA	7.47E-02	<MDA	<MDA	1.12E-01	<MDA
SR-39-25	SM5-4	18-30	<MDA	1.09E-01	<MDA	<MDA	1.33E-01	<MDA
SR-39-25	SM5-4	30-42	<MDA	5.82E-02	<MDA	<MDA	8.85E-02	<MDA
SR-39-25	SM5-4	42-54	<MDA	6.96E-02	<MDA	<MDA	1.04E-01	<MDA
SR-39-26	SM5-5	0-6	8.37E-01	8.37E-01	1.59E-01	<MDA	7.36E-02	<MDA
SR-39-26	SM5-5	6-18	2.54E+00	2.54E+00	2.90E-01	<MDA	1.29E-01	<MDA
SR-39-26	SM5-5	18-30	2.14E-01	2.14E-01	8.40E-02	<MDA	9.05E-02	<MDA

SR-39 Plum Brook Stream Bed Mouth of Plum Brook at Sandusky Bay (US Rt. 6 to Sandusky Bay)

Sample #	Location	Sample Depth (in)	Cs-137 (pci/g)	Cs-137 w MDA values (pci/g)	Cs-137 2σ values (pci/g)	Co-60 (pci/g)	Co-60 w MDA values	Co-60 2σ values (pCi/g)
SR-39-26	SM5-5	30-42	<MDA	2.94E-01	<MDA	<MDA	3.46E-01	<MDA
SR-39-26	SM5-5	42-54	<MDA	2.46E-01	<MDA	<MDA	3.59E-01	<MDA
SR-39-27	SM5-1	0-6	<MDA	1.73E-01	<MDA	<MDA	2.17E-01	<MDA
SR-39-27	SM5-1	6-18	6.08E-02	6.08E-02	4.60E-02	<MDA	5.84E-02	<MDA
SR-39-27	SM5-1	18-30	<MDA	4.70E-02	<MDA	<MDA	6.14E-02	<MDA
SR-39-27	SM5-1	30-38.5	<MDA	1.26E-01	<MDA	<MDA	2.37E-01	<MDA
SR-39-28	SM-TRIB-3	0-6	4.54E-01	4.54E-01	1.30E-01	<MDA	7.83E-02	<MDA
SR-39-28	SM-TRIB-3	6-18	1.19E+00	1.19E+00	2.06E-01	<MDA	7.79E-02	<MDA
SR-39-28	SM-TRIB-3	18-30	<MDA	7.84E-02	<MDA	<MDA	1.17E-01	<MDA
SR-39-28	SM-TRIB-3	30-42	<MDA	6.89E-02	<MDA	<MDA	7.53E-02	<MDA
SR-39-28	SM-TRIB-3	42-48	<MDA	5.92E-02	<MDA	<MDA	8.84E-02	<MDA
SR-39-29	SM-GB-1	0-6	2.28E-01	2.28E-01	1.16E-01	<MDA	9.26E-02	<MDA
SR-39-29	SM-GB-1	6-18	<MDA	2.19E-01	<MDA	<MDA	2.38E-01	<MDA
SR-39-29	SM-GB-1	18-30	<MDA	1.67E-01	<MDA	<MDA	2.29E-01	<MDA
SR-39-29	SM-GB-1	30-42	<MDA	3.22E-01	<MDA	<MDA	2.73E-01	<MDA
SR-39-29	SM-GB-1	42-54	<MDA	3.76E-01	<MDA	<MDA	3.67E-01	<MDA
SR-39-30	SM-GB-2	0-6	<MDA	3.69E-01	<MDA	<MDA	2.38E-01	<MDA
SR-39-30	SM-GB-2	6-18	<MDA	8.35E-02	<MDA	<MDA	1.02E-01	<MDA
SR-39-30	SM-GB-2	18-30	<MDA	5.49E-02	<MDA	<MDA	8.24E-02	<MDA
SR-39-30	SM-GB-2	30-42	<MDA	8.93E-02	<MDA	<MDA	1.34E-01	<MDA
SR-39-30	SM-GB-2	42-54	<MDA	6.62E-02	<MDA	<MDA	1.01E-01	<MDA
SR-39-31	SM-DUP-BY-44	0-6	3.07E-01	3.07E-01	1.26E-01	<MDA	1.08E-01	<MDA
SR-39-31	SM-DUP-BY-44	6-18	<MDA	6.70E-02	<MDA	<MDA	1.00E-01	<MDA
SR-39-31	SM-DUP-BY-44	18-30	<MDA	1.14E-01	<MDA	<MDA	1.33E-01	<MDA
SR-39-31	SM-DUP-BY-44	30-42	<MDA	7.77E-02	<MDA	<MDA	1.16E-01	<MDA
SR-39-31	SM-DUP-BY-44	42-50	<MDA	2.59E-01	<MDA	<MDA	2.36E-01	<MDA
SR-39-32	SM-DUP-BY-43	0-6	2.12E-01	2.12E-01	9.91E-02	<MDA	8.34E-02	<MDA
SR-39-32	SM-DUP-BY-43	6-18	<MDA	1.08E-01	<MDA	<MDA	1.62E-01	<MDA
SR-39-32	SM-DUP-BY-43	18-30	<MDA	8.52E-02	<MDA	<MDA	1.28E-01	<MDA
SR-39-32	SM-DUP-BY-43	30-42	<MDA	1.21E-01	<MDA	<MDA	1.29E-01	<MDA
SR-39-32	SM-DUP-BY-43	42-57	<MDA	1.03E-01	<MDA	<MDA	1.54E-01	<MDA
SR-39-33	SM1-5	0-6	6.09E-01	6.09E-01	1.37E-01	<MDA	8.34E-02	<MDA
SR-39-33	SM1-5	6-18	2.10E-01	2.10E-01	7.84E-02	<MDA	8.10E-02	<MDA
SR-39-33	SM1-5	18-30	<MDA	9.34E-02	<MDA	<MDA	8.02E-02	<MDA
SR-39-33	SM1-5	30-42	<MDA	8.52E-02	<MDA	<MDA	1.29E-01	<MDA
SR-39-33	SM1-5	42-54	<MDA	1.17E-01	<MDA	<MDA	1.74E-01	<MDA

SR-39 Plum Brook Stream Bed Mouth of Plum Brook at Sandusky Bay (US Rt. 6 to Sandusky Bay)

Sample #	Location	Sample Depth (in)	Cs-137 (pci/g)	Cs-137 w MDA values (pci/g)	Cs-137 2σ values (pci/g)	Co-60 (pci/g)	Co-60 w MDA values	Co-60 2σ values (pCi/g)
SR-39-34	SM1-6	0-6	9.07E-01	9.07E-01	1.73E-01	<MDA	7.87E-02	<MDA
SR-39-34	SM1-6	6-18	8.33E-01	8.33E-01	1.65E-01	<MDA	7.79E-02	<MDA
SR-39-34	SM1-6	18-30	<MDA	6.02E-02	<MDA	<MDA	8.51E-02	<MDA
SR-39-34	SM1-6	30-42	<MDA	1.34E-01	<MDA	<MDA	1.06E-01	<MDA
SR-39-34	SM1-6	42-54	<MDA	7.79E-02	<MDA	<MDA	1.42E-01	<MDA
SR-39-35	SM1-7	0-6	9.41E-01	9.41E-01	1.67E-01	<MDA	6.73E-02	<MDA
SR-39-35	SM1-7	6-18	1.76E-01	1.76E-01	8.24E-02	<MDA	6.13E-02	<MDA
SR-39-35	SM1-7	18-30	<MDA	8.97E-02	<MDA	<MDA	8.44E-02	<MDA
SR-39-35	SM1-7	30-42	<MDA	5.92E-02	<MDA	<MDA	8.81E-02	<MDA
SR-39-35	SM1-7	42-48	<MDA	8.56E-02	<MDA	<MDA	7.94E-02	<MDA
SR-39-36	SM6-1	0-6	3.41E+00	3.41E+00	1.13E-01	<MDA	6.50E-02	<MDA
SR-39-36	SM6-1	6-18	4.53E-01	4.53E-01	1.14E-01	<MDA	7.90E-02	<MDA
SR-39-36	SM6-1	18-30	<MDA	4.53E-02	<MDA	<MDA	6.75E-02	<MDA
SR-39-36	SM6-1	30-42	<MDA	4.55E-02	<MDA	<MDA	6.17E-02	<MDA
SR-39-36	SM6-1	42-54	<MDA	4.91E-02	<MDA	<MDA	7.02E-02	<MDA
SR-39-37	SM6-2	0-6	6.12E-01	6.12E-01	1.55E-01	<MDA	7.80E-02	<MDA
SR-39-37	SM6-2	6-18	5.03E-01	5.03E-01	1.17E-01	<MDA	7.36E-02	<MDA
SR-39-37	SM6-2	18-35.5	<MDA	6.58E-02	<MDA	<MDA	8.08E-02	<MDA
SR-39-38	SM6-3	0-6	5.52E-01	5.52E-01	1.27E-01	<MDA	7.77E-02	<MDA
SR-39-38	SM6-3	6-18	2.94E-01	2.94E-01	1.11E-01	<MDA	8.17E-02	<MDA
SR-39-38	SM6-3	18-30	<MDA	1.19E-01	<MDA	<MDA	7.87E-02	<MDA
SR-39-38	SM6-3	30-42	<MDA	8.27E-02	<MDA	<MDA	1.23E-01	<MDA
SR-39-38	SM6-3	42-54	<MDA	1.02E-01	<MDA	<MDA	1.03E-01	<MDA
SR-39-39	SM6-4	0-6	5.90E-01	5.90E-01	1.34E-01	<MDA	8.18E-02	<MDA
SR-39-39	SM6-4	6-18	3.15E-01	3.15E-01	1.05E-01	<MDA	9.58E-02	<MDA
SR-39-39	SM6-4	18-30	<MDA	1.12E-01	<MDA	<MDA	8.56E-02	<MDA
SR-39-39	SM6-4	30-42	<MDA	1.14E-01	<MDA	<MDA	1.18E-01	<MDA
SR-39-39	SM6-4	42-54	<MDA	8.31E-02	<MDA	<MDA	1.24E-01	<MDA
SR-39-40	SM6-5	0-6	4.92E-01	4.92E-01	1.54E-01	<MDA	8.32E-02	<MDA
SR-39-40	SM6-5	6-18	2.83E-01	2.83E-01	9.33E-02	<MDA	1.14E-01	<MDA
SR-39-40	SM6-5	18-30	<MDA	1.12E-01	<MDA	<MDA	8.85E-02	<MDA
SR-39-40	SM6-5	30-42	<MDA	8.84E-02	<MDA	<MDA	1.26E-01	<MDA
SR-39-40	SM6-5	42-54	<MDA	8.21E-02	<MDA	<MDA	1.34E-01	<MDA
SR-39-41	SM6-6	0-6	2.06E+01	2.06E+01	1.40E+00	<MDA	2.14E-01	<MDA
SR-39-41	SM6-6	6-18	1.26E+00	1.26E+00	3.95E-01	<MDA	2.49E-01	<MDA
SR-39-41	SM6-6	18-30	3.22E+00	3.22E+00	5.32E-01	<MDA	2.33E-01	<MDA
SR-39-41	SM6-6	30-42	6.26E-01	6.26E-01	2.69E-01	<MDA	2.16E-01	<MDA
SR-39-41	SM6-6	42-54	<MDA	2.17E-01	<MDA	<MDA	2.54E-01	<MDA
SR-39-41	SM6-6QC	0-6	1.93E+01	1.93E+01	1.36E+00	<MDA	2.19E-01	<MDA
SR-39-41	SM6-6QC	6-18	1.26E+00	1.26E+00	3.58E-01	<MDA	2.26E-01	<MDA
SR-39-41	SM6-6QC	18-30	2.96E+00	2.96E+00	5.42E-01	<MDA	2.25E-01	<MDA
SR-39-41	SM6-6QC	30-42	7.27E-01	7.27E-01	3.45E-01	2.69E-01	2.69E-01	1.39E-01
SR-39-41	SM6-6QC	42-54	<MDA	2.49E-01	<MDA	<MDA	3.03E-01	<MDA

SR-39 Plum Brook Stream Bed Mouth of Plum Brook at Sandusky Bay (US Rt. 6 to Sandusky Bay)

Sample #	Location	Sample Depth (in)	Cs-137 (pci/g)	Cs-137 w MDA values (pci/g)	Cs-137 2σ values (pci/g)	Co-60 (pci/g)	Co-60 w MDA values	Co-60 2σ values (pCi/g)
SR-39-42	SM6-7	0-6	<MDA	2.13E-01	<MDA	<MDA	8.71E-02	<MDA
SR-39-42	SM6-7	6-18	3.03E-01	3.03E-01	1.27E-01	<MDA	8.46E-02	<MDA
SR-39-42	SM6-7	18-30	<MDA	6.12E-02	<MDA	<MDA	1.08E-01	<MDA
SR-39-42	SM6-7	30-42	<MDA	9.19E-02	<MDA	<MDA	1.37E-01	<MDA
SR-39-42	SM6-7	42-54	<MDA	1.07E-01	<MDA	<MDA	1.62E-01	<MDA
SR-39-43	SM6-8	0-6	6.71E-01	6.71E-01	1.58E-01	<MDA	8.42E-02	<MDA
SR-39-43	SM6-8	6-18	<MDA	9.04E-02	<MDA	<MDA	9.13E-02	<MDA
SR-39-43	SM6-8	18-30	<MDA	8.47E-02	<MDA	<MDA	9.00E-02	<MDA
SR-39-43	SM6-8	30-39	<MDA	3.02E-01	<MDA	<MDA	3.48E-01	<MDA
SR-39-44	SM6-9	0-6	7.87E-01	7.87E-01	1.81E-01	<MDA	9.72E-02	<MDA
SR-39-44	SM6-9	6-18	1.75E-01	1.75E-01	8.06E-02	<MDA	7.67E-02	<MDA
SR-39-44	SM6-9	18-30	<MDA	7.40E-02	<MDA	<MDA	6.80E-02	<MDA
SR-39-44	SM6-9	30-42	<MDA	6.98E-02	<MDA	<MDA	7.09E-02	<MDA
SR-39-44	SM6-9	42-58.5	<MDA	8.74E-02	<MDA	<MDA	7.09E-02	<MDA
SR-39-45	SM7-1	0-6	7.02E-01	7.02E-01	1.52E-01	<MDA	7.67E-02	<MDA
SR-39-45	SM7-1	6-18	6.41E-01	6.41E-01	1.56E-01	<MDA	8.79E-02	<MDA
SR-39-45	SM7-1	18-30	<MDA	7.35E-02	<MDA	<MDA	1.09E-01	<MDA
SR-39-45	SM7-1	30-42	<MDA	7.53E-02	<MDA	<MDA	8.14E-02	<MDA
SR-39-45	SM7-1	42-53.5	<MDA	9.23E-02	<MDA	<MDA	1.36E-01	<MDA
SR-39-46	SM7-2	0-6	6.59E-01	6.59E-01	1.66E-01	<MDA	9.12E-02	<MDA
SR-39-46	SM7-2	6-18	3.88E-01	3.88E-01	1.35E-01	<MDA	7.81E-02	<MDA
SR-39-46	SM7-2	18-30	2.66E-01	2.66E-01	1.01E-01	<MDA	1.04E-01	<MDA
SR-39-46	SM7-2	30-42	<MDA	7.04E-02	<MDA	<MDA	1.05E-01	<MDA
SR-39-46	SM7-2	42-54	<MDA	8.93E-02	<MDA	<MDA	9.66E-02	<MDA
SR-39-47	SM7-3	0-6	3.37E-01	3.37E-01	1.12E-01	<MDA	7.73E-02	<MDA
SR-39-47	SM7-3	6-18	<MDA	7.53E-02	<MDA	<MDA	9.08E-02	<MDA
SR-39-47	SM7-3	18-30	<MDA	7.70E-02	<MDA	<MDA	8.73E-02	<MDA
SR-39-47	SM7-3	30-42	<MDA	7.06E-02	<MDA	<MDA	9.56E-02	<MDA
SR-39-47	SM7-3	42-48	<MDA	2.34E-01	<MDA	<MDA	2.70E-01	<MDA
SR-39-48	SM7-4	0-6	3.93E-01	3.93E-01	1.15E-01	<MDA	6.15E-02	<MDA
SR-39-48	SM7-4	6-18	2.40E-01	2.40E-01	9.44E-02	<MDA	6.07E-02	<MDA
SR-39-48	SM7-4	18-30	<MDA	5.38E-02	<MDA	<MDA	5.71E-02	<MDA
SR-39-48	SM7-4	30-38	<MDA	3.64E-02	<MDA	<MDA	5.46E-02	<MDA
SR-39-49	SM7-5	0-6	8.25E-01	8.25E-01	1.61E-01	<MDA	8.29E-02	<MDA
SR-39-49	SM7-5	6-18	3.87E+00	3.87E+00	3.45E-01	<MDA	9.68E-02	<MDA
SR-39-49	SM7-5	18-30	1.09E+00	1.09E+00	1.64E-01	<MDA	7.29E-02	<MDA
SR-39-49	SM7-5	30-44	<MDA	4.28E-02	<MDA	<MDA	6.37E-02	<MDA
SR-39-50	SM7-6	0-6	2.15E-01	2.15E-01	8.82E-02	<MDA	6.52E-02	<MDA
SR-39-50	SM7-6	6-18	<MDA	7.08E-02	<MDA	<MDA	7.49E-02	<MDA
SR-39-50	SM7-6	18-30	<MDA	6.34E-02	<MDA	<MDA	9.33E-02	<MDA
SR-39-50	SM7-6	30-42	<MDA	9.54E-02	<MDA	<MDA	9.15E-02	<MDA
SR-39-50	SM7-6	42-54	<MDA	6.07E-02	<MDA	<MDA	8.04E-02	<MDA
SR-39-51	SM8-1	0-6	1.18E+00	1.18E+00	1.97E-01	<MDA	8.02E-02	<MDA

SR-39 Plum Brook Stream Bed Mouth of Plum Brook at Sandusky Bay (US Rt. 6 to Sandusky Bay)

Sample #	Location	Sample Depth (in)	Cs-137 (pci/g)	Cs-137 w MDA values (pci/g)	Cs-137 2σ values (pci/g)	Co-60 (pci/g)	Co-60 w MDA values	Co-60 2σ values (pCi/g)
SR-39-51	SM8-1	6-18	7.87E-01	7.87E-01	2.04E-01	<MDA	1.11E-01	<MDA
SR-39-51	SM8-1	18-30	<MDA	1.71E-01	<MDA	<MDA	2.49E-01	<MDA
SR-39-51	SM8-1	30-42	<MDA	2.18E-01	<MDA	<MDA	3.23E-01	<MDA
SR-39-51	SM8-1	42-54	<MDA	2.90E-01	<MDA	<MDA	2.20E-01	<MDA
SR-39-52	SM8-2	0-6	6.98E-01	6.98E-01	1.47E-01	<MDA	1.16E-01	<MDA
SR-39-52	SM8-2	6-18	5.50E-01	5.50E-01	1.41E-01	<MDA	1.16E-01	<MDA
SR-39-52	SM8-2	18-30	<MDA	8.62E-02	<MDA	<MDA	1.30E-01	<MDA
SR-39-52	SM8-2	30-42	<MDA	1.90E-01	<MDA	<MDA	3.04E-01	<MDA
SR-39-52	SM8-2	42-54	<MDA	3.44E-01	<MDA	<MDA	3.22E-01	<MDA
SR-39-53	SM8-3	0-6	1.21E+00	1.21E+00	1.89E-01	<MDA	6.92E-02	<MDA
SR-39-53	SM8-3	6-18	2.70E-01	2.70E-01	1.05E-01	<MDA	9.05E-02	<MDA
SR-39-53	SM8-3	18-30	<MDA	1.27E-01	<MDA	<MDA	8.77E-02	<MDA
SR-39-53	SM8-3	30-42	<MDA	6.64E-02	<MDA	<MDA	9.87E-02	<MDA
SR-39-53	SM8-3	42-54	<MDA	7.28E-02	<MDA	<MDA	1.08E-01	<MDA
SR-39-54	SM8-4	0-6	8.95E-01	8.95E-01	1.75E-01	<MDA	8.47E-02	<MDA
SR-39-54	SM8-4	6-18	7.67E-01	7.67E-01	1.62E-01	<MDA	7.97E-02	<MDA
SR-39-54	SM8-4	18-30	<MDA	1.10E-01	<MDA	<MDA	8.94E-02	<MDA
SR-39-54	SM8-4	30-40	<MDA	1.03E-01	<MDA	<MDA	1.03E-01	<MDA
SR-39-55	SM8-5	0-6	1.30E+00	1.30E+00	1.98E-01	<MDA	7.56E-02	<MDA
SR-39-55	SM8-5	6-18	2.35E-01	2.35E-01	1.22E-01	<MDA	7.70E-02	<MDA
SR-39-55	SM8-5	18-30	<MDA	6.02E-02	<MDA	<MDA	8.88E-02	<MDA
SR-39-55	SM8-5	30-42	<MDA	1.18E-01	<MDA	<MDA	1.15E-01	<MDA
SR-39-55	SM8-5	42-54	<MDA	8.90E-02	<MDA	<MDA	1.33E-01	<MDA
SR-39-56	SM8-6	0-6	9.02E-01	9.02E-01	1.53E-01	<MDA	1.09E-01	<MDA
SR-39-56	SM8-6	6-18	1.12E+00	1.12E+00	1.86E-01	<MDA	7.43E-02	<MDA
SR-39-56	SM8-6	18-30	1.46E-01	1.46E-01	1.06E-01	<MDA	9.26E-02	<MDA
SR-39-56	SM8-6	30-42	<MDA	7.24E-02	<MDA	<MDA	1.10E-01	<MDA
SR-39-56	SM8-6	42-54	<MDA	1.38E-01	<MDA	<MDA	1.63E-01	<MDA
SR-39-57	SM8-7	0-6	8.99E-01	8.99E-01	1.69E-01	<MDA	7.46E-02	<MDA
SR-39-57	SM8-7	6-18	1.91E+00	1.91E+00	2.49E-01	<MDA	7.16E-02	<MDA
SR-39-57	SM8-7	18-30	3.42E+00	3.42E+00	3.25E-01	<MDA	7.62E-02	<MDA
SR-39-58	SM9-1	0-6	4.92E-01	4.92E-01	1.27E-01	<MDA	8.83E-02	<MDA
SR-39-58	SM9-1	6-18	3.94E-01	3.94E-01	1.06E-01	<MDA	7.84E-02	<MDA
SR-39-58	SM9-1	18-30	<MDA	6.50E-02	<MDA	<MDA	7.66E-02	<MDA
SR-39-58	SM9-1	30-42	<MDA	8.21E-02	<MDA	<MDA	6.24E-02	<MDA
SR-39-58	SM9-1	42-54.5	<MDA	7.47E-02	<MDA	<MDA	8.71E-02	<MDA
SR-39-59	SM9-2	0-6	5.29E-01	5.29E-01	1.40E-01	<MDA	8.41E-02	<MDA
SR-39-59	SM9-2	6-18	8.31E-01	8.31E-01	1.50E-01	<MDA	6.48E-02	<MDA
SR-39-59	SM9-2	18-30	1.57E-01	1.57E-01	6.40E-02	<MDA	5.38E-02	<MDA
SR-39-59	SM9-2	30-42	6.60E-01	6.60E-01	1.59E-01	<MDA	6.63E-02	<MDA
SR-39-59	SM9-2	42-54	1.23E+00	1.23E+00	1.92E-01	<MDA	7.34E-02	<MDA
SR-39-60	SM9-3	0-6	3.72E-01	3.72E-01	1.02E-01	<MDA	7.68E-02	<MDA
SR-39-60	SM9-3	6-18	<MDA	9.17E-02	<MDA	<MDA	7.79E-02	<MDA

SR-39 Plum Brook Stream Bed Mouth of Plum Brook at Sandusky Bay (US Rt. 6 to Sandusky Bay)

Sample #	Location	Sample Depth (in)	Cs-137 (pci/g)	Cs-137 w MDA values (pci/g)	Cs-137 2σ values (pci/g)	Co-60 (pci/g)	Co-60 w MDA values	Co-60 2σ values (pCi/g)
SR-39-60	SM9-3	18-30	<MDA	4.69E-02	<MDA	<MDA	6.98E-02	<MDA
SR-39-60	SM9-3	30-42	<MDA	6.11E-02	<MDA	<MDA	8.43E-02	<MDA
SR-39-60	SM9-3	42-54	<MDA	5.01E-02	<MDA	<MDA	7.44E-02	<MDA
SR-39-61	SM9-4	0-6	1.15E+00	1.15E+00	1.92E-01	<MDA	6.66E-02	<MDA
SR-39-61	SM9-4	6-18	5.87E+00	5.87E+00	4.23E-01	<MDA	6.67E-02	<MDA
SR-39-61	SM9-4	18-30	2.13E+00	2.13E+00	2.33E-01	<MDA	6.48E-02	<MDA
SR-39-61	SM9-4	30-42	2.43E+00	2.43E+00	2.74E-01	<MDA	1.06E-01	<MDA
SR-39-61	SM9-4	42-56.5	2.63E+00	2.63E+00	2.77E-01	<MDA	9.35E-02	<MDA
SR-39-62	SM9-5	0-6	7.06E-01	7.06E-01	1.68E-01	<MDA	8.70E-02	<MDA
SR-39-62	SM9-5	6-18	3.89E-01	3.89E-01	1.23E-01	<MDA	8.53E-02	<MDA
SR-39-62	SM9-5	18-31.5	<MDA	7.75E-02	<MDA	<MDA	9.14E-02	<MDA
SR-39-63	SM9-6	0-6	1.30E+00	1.30E+00	2.24E-01	<MDA	8.47E-02	<MDA
SR-39-63	SM9-6	6-18	2.85E-01	2.85E-01	1.20E-01	<MDA	9.33E-02	<MDA
SR-39-63	SM9-6	18-30	<MDA	5.59E-02	<MDA	<MDA	9.16E-02	<MDA
SR-39-63	SM9-6	30-42	<MDA	1.01E-01	<MDA	<MDA	9.25E-02	<MDA
SR-39-63	SM9-6	42-54	<MDA	6.71E-02	<MDA	<MDA	9.99E-02	<MDA
SR-39-64	SM9-7	0-6	1.31E+00	1.31E+00	3.84E-01	<MDA	2.66E-01	<MDA
SR-39-64	SM9-7	6-18	5.24E-01	5.24E-01	2.29E-01	<MDA	2.69E-01	<MDA
SR-39-64	SM9-7	18-30	<MDA	3.35E-01	<MDA	<MDA	3.48E-01	<MDA
SR-39-64	SM9-7	30-42	<MDA	2.83E-01	<MDA	<MDA	3.54E-01	<MDA
SR-39-64	SM9-7	42-54	<MDA	2.21E-01	<MDA	<MDA	3.27E-01	<MDA
SR-39-64	SM9-7QC	0-6	1.12E+00	1.12E+00	3.39E-01	<MDA	2.77E-01	<MDA
SR-39-64	SM9-7QC	6-18	5.05E-01	5.05E-01	2.38E-01	<MDA	3.00E-01	<MDA
SR-39-64	SM9-7QC	18-30	<MDA	2.04E-01	<MDA	<MDA	3.02E-01	<MDA
SR-39-64	SM9-7QC	30-42	<MDA	3.72E-01	<MDA	<MDA	2.28E-01	<MDA
SR-39-64	SM9-7QC	42-54	<MDA	2.95E-01	<MDA	<MDA	2.41E-01	<MDA
Number			135	312	135	4	312	4
Min			6.08E-02	3.64E-02	4.60E-02	1.11E-01	4.72E-02	5.35E-02
Max			2.06E+01	2.06E+01	1.40E+00	2.69E-01	3.80E-01	1.39E-01
Avg			1.50E+00	7.25E-01	2.25E-01	2.21E-01	1.45E-01	8.61E-02
SD			2.74E+00	1.93E+00	1.80E-01	7.40E-02	9.11E-02	3.81E-02

SR-39 Sample Data Report Note: This sample data report format differs slightly from the standard table format of this Appendix. Sample depth is recorded in a separate column in the sample data report for this SR. To preserve space in this table, the sample weight column is not included.

SR-41 Plum Brook Floodplain Wetlands between Route 6 and the Plum Brook Country Club

Sample #	Location	Depth (in.)	Cs-137 pCi/g	Cs-137 w MDA values	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR41-1	FP1-1	0-6	3.58E-01	3.58E-01	1.31E-01	<MDA	1.33E-01	<MDA
SR41-1	FP1-1	6-18	<MDA	1.21E-01	<MDA	<MDA	1.28E-01	<MDA
SR41-1	FP1-1	18-30	<MDA	1.01E-01	<MDA	<MDA	1.50E-01	<MDA
SR41-1	FP1-1	30-42	<MDA	9.16E-02	<MDA	<MDA	1.38E-01	<MDA
SR41-1	FP1-1	42-54	<MDA	9.33E-02	<MDA	<MDA	1.38E-01	<MDA
SR41-2	FP1-2	0-6	<MDA	9.33E-02	<MDA	<MDA	1.38E-01	<MDA
SR41-2	FP1-2	6-18	<MDA	8.27E-02	<MDA	<MDA	1.22E-01	<MDA
SR41-2	FP1-2	18-30	2.91E-01	2.91E-01	1.19E-01	<MDA	1.32E-01	<MDA
SR41-2	FP1-2	30-42	<MDA	8.38E-02	<MDA	<MDA	1.26E-01	<MDA
SR41-2	FP1-2	42-57	<MDA	8.53E-02	<MDA	<MDA	1.26E-01	<MDA
SR41-3	FP1-3	0-6	2.54E-01	2.54E-01	1.23E-01	<MDA	1.67E-01	<MDA
SR41-3	FP1-3	6-18	2.82E-01	2.82E-01	1.15E-01	<MDA	1.29E-01	<MDA
SR41-3	FP1-3	18-30	<MDA	8.62E-02	<MDA	<MDA	1.29E-01	<MDA
SR41-3	FP1-3	30-42	<MDA	1.05E-01	<MDA	<MDA	1.09E-01	<MDA
SR41-3	FP1-3	42-58.5	<MDA	1.23E-01	<MDA	<MDA	1.31E-01	<MDA
SR41-4	FP1-4	0-6	<MDA	1.67E-01	<MDA	<MDA	2.47E-01	<MDA
SR41-4	FP1-4	6-18	<MDA	9.96E-02	<MDA	<MDA	1.52E-01	<MDA
SR41-4	FP1-4	18-30	3.48E-01	3.48E-01	1.46E-01	<MDA	1.66E-01	<MDA
SR41-4	FP1-4	30-42	<MDA	9.62E-02	<MDA	<MDA	1.14E-01	<MDA
SR41-4	FP1-4	42-54	<MDA	8.97E-02	<MDA	<MDA	1.36E-01	<MDA
SR41-5	FP1-5	0-6	<MDA	2.36E-01	<MDA	<MDA	3.01E-01	<MDA
SR41-5	FP1-5	6-18	<MDA	7.87E-02	<MDA	<MDA	1.19E-01	<MDA
SR41-5	FP1-5	18-30	<MDA	1.14E-01	<MDA	<MDA	1.30E-01	<MDA
SR41-5	FP1-5	30-38.25	<MDA	7.40E-02	<MDA	<MDA	1.10E-01	<MDA
SR41-6	FP1-7	0-6	<MDA	4.01E-01	<MDA	<MDA	2.76E-01	<MDA
SR41-6	FP1-7	6-18	<MDA	7.63E-02	<MDA	<MDA	1.16E-01	<MDA
SR41-6	FP1-7	18-30	<MDA	8.26E-02	<MDA	<MDA	1.23E-01	<MDA
SR41-6	FP1-7	30-41	<MDA	8.76E-02	<MDA	<MDA	1.30E-01	<MDA
SR41-7	FP1-6	0-6	3.77E-01	3.77E-01	1.16E-01	<MDA	9.82E-02	<MDA
SR41-7	FP1-6	6-18	4.63E-01	4.63E-01	1.42E-01	<MDA	1.18E-01	<MDA
SR41-7	FP1-6	18-27	<MDA	9.69E-02	<MDA	<MDA	1.15E-01	<MDA
SR41-8	FP2-1A	0-6	8.16E-01	8.16E-01	2.94E-01	<MDA	2.88E-01	<MDA
SR41-8	FP2-1A	6-18	<MDA	2.52E-01	<MDA	<MDA	2.69E-01	<MDA
SR41-8	FP2-1A	18-24.25	<MDA	1.36E-01	<MDA	<MDA	2.01E-01	<MDA
SR41-9	FP2-1B	0-6	5.53E-01	5.53E-01	1.76E-01	<MDA	1.55E-01	<MDA
SR41-9	FP2-1B	6-18	1.84E-01	1.84E-01	9.19E-02	<MDA	1.26E-01	<MDA
SR41-9	FP2-1B	18-30	<MDA	8.75E-02	<MDA	<MDA	1.31E-01	<MDA
SR41-10	FP2-2	0-6	8.14E-01	8.14E-01	2.21E-01	<MDA	1.66E-01	<MDA
SR41-10	FP2-2	6-18	1.08E+00	1.08E+00	2.77E-01	<MDA	1.94E-01	<MDA
SR41-10	FP2-2	18-30	<MDA	9.76E-02	<MDA	<MDA	1.46E-01	<MDA
SR41-10	FP2-2	30-42	<MDA	1.46E-01	<MDA	<MDA	2.17E-01	<MDA
SR41-10	FP2-2	42-51.5	<MDA	1.56E-01	<MDA	<MDA	2.27E-01	<MDA

SR-41 Plum Brook Floodplain Wetlands between Route 6 and the Plum Brook Country Club

Sample #	Location	Depth (in.)	Cs-137 pCi/g	Cs-137 w MDA values	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR41-11	FP2-3	0-6	1.73E+00	1.73E+00	3.18E-01	<MDA	1.56E-01	<MDA
SR41-11	FP2-3	6-18	2.69E-01	2.69E-01	1.12E-01	<MDA	1.28E-01	<MDA
SR41-11	FP2-3	18-30	<MDA	1.12E-01	<MDA	<MDA	1.69E-01	<MDA
SR41-11	FP2-3	30-42	<MDA	1.05E-01	<MDA	<MDA	1.57E-01	<MDA
SR41-11	FP2-3	42-54	<MDA	9.55E-02	<MDA	<MDA	1.42E-01	<MDA
SR41-12	FP2-4	0-6	2.24E-01	2.24E-01	1.06E-01	<MDA	1.36E-01	<MDA
SR41-12	FP2-4	6-18	<MDA	9.26E-02	<MDA	<MDA	1.38E-01	<MDA
SR41-12	FP2-4	18-30	<MDA	8.65E-02	<MDA	<MDA	1.29E-01	<MDA
SR41-12	FP2-4	30-42	<MDA	8.85E-02	<MDA	<MDA	1.32E-01	<MDA
SR41-12	FP2-4	42-54	<MDA	7.57E-02	<MDA	<MDA	1.13E-01	<MDA
SR41-12	FP2-4	0-6 QC	2.79E-01	2.79E-01	1.17E-01	<MDA	1.33E-01	<MDA
SR41-12	FP2-4	6-18 QC	<MDA	8.40E-02	<MDA	<MDA	1.28E-01	<MDA
SR41-12	FP2-4	18-30 QC	<MDA	9.06E-02	<MDA	<MDA	1.35E-01	<MDA
SR41-12	FP2-4	30-42 QC	<MDA	8.56E-02	<MDA	<MDA	1.28E-01	<MDA
SR41-12	FP2-4	42-54 QC	<MDA	7.76E-02	<MDA	<MDA	1.18E-01	<MDA
SR41-13	FP2-5	0-6	3.25E-01	3.25E-01	1.36E-01	<MDA	1.53E-01	<MDA
SR41-13	FP2-5	6-18	6.94E-01	6.94E-01	1.92E-01	<MDA	1.17E-01	<MDA
SR41-13	FP2-5	18-30	<MDA	6.98E-02	<MDA	<MDA	1.06E-01	<MDA
SR41-13	FP2-5	30-42	<MDA	1.11E-01	<MDA	<MDA	1.22E-01	<MDA
SR41-13	FP2-5	42-54	<MDA	7.58E-02	<MDA	<MDA	1.13E-01	<MDA
SR41-14	FP3-1	0-6	7.67E-01	7.67E-01	1.98E-01	<MDA	1.41E-01	<MDA
SR41-14	FP3-1	6-18	3.82E-01	3.82E-01	1.40E-01	<MDA	1.40E-01	<MDA
SR41-14	FP3-1	18-30	<MDA	8.83E-02	<MDA	<MDA	1.32E-01	<MDA
SR41-14	FP3-1	30-36.5	<MDA	9.19E-02	<MDA	<MDA	1.40E-01	<MDA
SR41-14	FP3-1	42-54	<MDA	1.50E-01	<MDA	<MDA	1.80E-01	<MDA
SR41-15	FP3-4	0-6	1.18E+00	1.18E+00	2.39E-01	<MDA	1.12E-01	<MDA
SR41-15	FP3-4	6-18	3.55E+00	3.55E+00	4.08E-01	<MDA	1.20E-01	<MDA
SR41-15	FP3-4	18-30	2.57E+00	2.57E+00	3.36E-01	<MDA	1.17E-01	<MDA
SR41-15	FP3-4	30-42	1.29E+00	1.29E+00	2.49E-01	<MDA	1.27E-01	<MDA
SR41-15	FP3-4	42-52	2.14E-01	2.14E-01	9.38E-02	<MDA	1.12E-01	<MDA
SR41-16	FP3-5	0-6	5.38E-01	5.38E-01	1.71E-01	<MDA	1.48E-01	<MDA
SR41-16	FP3-5	6-18	<MDA	1.90E-01		<MDA	1.50E-01	<MDA
SR41-16	FP3-5	18-30	<MDA	1.06E-01	<MDA	<MDA	1.21E-01	<MDA
SR41-16	FP3-5	30-42	<MDA	7.76E-02	<MDA	<MDA	1.16E-01	<MDA
SR41-16	FP3-5	42-54	<MDA	1.16E-01	<MDA	<MDA	1.73E-01	<MDA
SR41-17	FP3-2	0-6	1.28E+00	1.28E+00	2.70E-01	<MDA	1.57E-01	<MDA
SR41-17	FP3-2	6-18	5.49E-01	5.49E-01	1.81E-01	<MDA	1.63E-01	<MDA
SR41-17	FP3-2	18-30	<MDA	1.05E-01	<MDA	<MDA	1.56E-01	<MDA
SR41-17	FP3-2	30-42	<MDA	8.07E-02	<MDA	<MDA	1.23E-01	<MDA
SR41-17	FP3-2	42-48.5	<MDA	7.90E-02	<MDA	<MDA	1.18E-01	<MDA
SR41-18	FP3-3	0-6	9.04E-01	9.04E-01	2.30E-01	<MDA	1.58E-01	<MDA

SR-41 Plum Brook Floodplain Wetlands between Route 6 and the Plum Brook Country Club

Sample #	Location	Depth (in.)	Cs-137 pCi/g	Cs-137 w MDA values	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR41-18	FP3-3	6-18	<MDA	9.24E-02	<MDA	<MDA	1.40E-01	<MDA
SR41-18	FP3-3	18-30	<MDA	1.05E-01	<MDA	<MDA	1.57E-01	<MDA
SR41-18	FP3-3	30-46.5	<MDA	7.20E-02	<MDA	<MDA	1.08E-01	<MDA
SR41-19	FP4-1	0-6	2.86E-01	2.86E-01	1.39E-01	<MDA	1.49E-01	<MDA
SR41-19	FP4-1	6-18	<MDA	8.72E-02	<MDA	<MDA	1.54E-01	<MDA
SR41-19	FP4-1	18-30	<MDA	7.97E-02	<MDA	<MDA	1.19E-01	<MDA
SR41-19	FP4-1	30-42	<MDA	7.50E-02	<MDA	<MDA	1.12E-01	<MDA
SR41-19	FP4-1	42-54	<MDA	7.85E-02	<MDA	<MDA	1.17E-01	<MDA
SR41-20	FP4-2	0-6	8.22E-01	8.22E-01	2.02E-01	<MDA	1.37E-01	<MDA
SR41-20	FP4-2	6-18	<MDA	1.34E-01	<MDA	<MDA	1.37E-01	<MDA
SR41-20	FP4-2	18-30	<MDA	6.90E-02	<MDA	<MDA	1.03E-01	<MDA
SR41-20	FP4-2	30-42	<MDA	6.82E-02	<MDA	<MDA	1.04E-01	<MDA
SR41-20	FP4-2	42-52.5	<MDA	7.94E-02	<MDA	<MDA	1.19E-01	<MDA
SR41-21	FP4-3	0-6	2.77E+00	2.77E+00	3.61E-01	<MDA	N/A	<MDA
SR41-21	FP4-3	6-18	4.07E-01	4.07E-01	1.32E-01	<MDA	1.18E-01	<MDA
SR41-21	FP4-3	18-30	<MDA	1.80E-01	<MDA	<MDA	1.21E-01	<MDA
SR41-21	FP4-3	30-42	<MDA	7.81E-02	<MDA	<MDA	1.19E-01	<MDA
SR41-21	FP4-3	42-54	<MDA	8.71E-02	<MDA	<MDA	1.30E-01	<MDA
SR41-22	FP4-4	0-6	2.11E+00	2.11E+00	3.44E-01	<MDA	1.49E-01	<MDA
SR41-22	FP4-4	6-18	4.28E-01	4.28E-01	1.43E-01	<MDA	1.33E-01	<MDA
SR41-22	FP4-4	18-30	<MDA	1.04E-01	<MDA	<MDA	1.56E-01	<MDA
SR41-22	FP4-4	30-42	<MDA	1.09E-01	<MDA	<MDA	1.62E-01	<MDA
SR41-22	FP4-4	42-54	<MDA	9.17E-02	<MDA	<MDA	1.39E-01	<MDA
SR41-23	FP4-5	0-6	4.06E+00	4.06E+00	6.80E-01	<MDA	3.03E-01	<MDA
SR41-23	FP4-5	6-18	1.91E+00	1.91E+00	3.47E-01	<MDA	1.69E-01	<MDA
SR41-23	FP4-5	18-30	<MDA	1.09E-01	<MDA	<MDA	1.63E-01	<MDA
SR41-23	FP4-5	30-42	<MDA	1.38E-01	<MDA	<MDA	2.11E-01	<MDA
SR41-23	FP4-5	42-57.5	<MDA	9.22E-02	<MDA	<MDA	1.38E-01	<MDA
SR41-24	FP4-6	0-6	2.93E+00	2.93E+00	4.74E-01	<MDA	2.04E-01	<MDA
SR41-24	FP4-6	6-18	2.63E-01	2.63E-01	1.28E-01	<MDA	1.70E-01	<MDA
SR41-24	FP4-6	18-30	<MDA	1.16E-01	<MDA	<MDA	1.76E-01	<MDA
SR41-24	FP4-6	30-42	<MDA	9.44E-02	<MDA	<MDA	1.41E-01	<MDA
SR41-24	FP4-6	42-52	<MDA	8.49E-02	<MDA	<MDA	1.29E-01	<MDA
SR41-25	FP4-7	0-6	5.17E-01	5.17E-01	1.62E-01	<MDA	1.39E-01	<MDA
SR41-25	FP4-7	6-18	<MDA	9.90E-02	<MDA	<MDA	1.17E-01	<MDA
SR41-25	FP4-7	18-30	<MDA	7.00E-02	<MDA	<MDA	1.05E-01	<MDA
SR41-25	FP4-7	30-42	<MDA	7.87E-02	<MDA	<MDA	1.12E-01	<MDA
SR41-25	FP4-7	42-57.5	<MDA	6.97E-02	<MDA	<MDA	1.04E-01	<MDA
SR41-26	FP5-1	0-6	1.41E+00	1.41E+00	2.84E-01	<MDA	1.54E-01	<MDA
SR41-26	FP5-1	6-18	<MDA	7.80E-02	<MDA	<MDA	1.16E-01	<MDA
SR41-26	FP5-1	18-30	<MDA	8.87E-02	<MDA	<MDA	1.32E-01	<MDA
SR41-26	FP5-1	30-39	<MDA	8.21E-02	<MDA	<MDA	1.23E-01	<MDA
SR41-27	FP6-1	0-6	5.33E-01	5.33E-01	2.11E-01	<MDA	1.57E-01	<MDA

SR-41 Plum Brook Floodplain Wetlands between Route 6 and the Plum Brook Country Club

Sample #	Location	Depth (in.)	Cs-137 pCi/g	Cs-137 w MDA values	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR41-27	FP6-1	6-18	<MDA	8.03E-02	<MDA	<MDA	1.20E-01	<MDA
SR41-27	FP6-1	18-30	<MDA	7.34E-02	<MDA	<MDA	1.09E-01	<MDA
SR41-27	FP6-1	30-42	<MDA	9.23E-02	<MDA	<MDA	1.03E-01	<MDA
SR41-27	FP6-1	42-56	<MDA	8.46E-02	<MDA	<MDA	1.26E-01	<MDA
SR41-28	FP5-2	0-6	3.00E+00	3.00E+00	4.17E-01	<MDA	1.55E-01	<MDA
SR41-28	FP5-2	6-18	3.55E-01	3.55E-01	1.28E-01	<MDA	1.26E-01	<MDA
SR41-28	FP5-2	18-30	<MDA	7.09E-02	<MDA	<MDA	1.06E-01	<MDA
SR41-28	FP5-2	30-42.5	<MDA	1.49E-01	<MDA	<MDA	1.25E-01	<MDA
SR41-29	FP6-2	0-6	2.54E-01	2.54E-01	1.11E-01	<MDA	1.33E-01	<MDA
SR41-29	FP6-2	6-18	<MDA	7.08E-02	<MDA	<MDA	1.08E-01	<MDA
SR41-29	FP6-2	18-29.5	<MDA	1.30E-01	<MDA	<MDA	1.30E-01	<MDA
SR41-30	FP7-1	0-6	1.03E+00	1.03E+00	2.67E-01	<MDA	1.65E-01	<MDA
SR41-30	FP7-1	6-18	<MDA	2.13E-01	<MDA	<MDA	1.47E-01	<MDA
SR41-30	FP7-1	18-30	<MDA	7.59E-02	<MDA	<MDA	1.13E-01	<MDA
SR41-30	FP7-1	30-42	<MDA	7.05E-02	<MDA	<MDA	1.07E-01	<MDA
SR41-30	FP7-1	42-53.5	<MDA	7.62E-02	<MDA	<MDA	1.14E-01	<MDA
SR41-31	FP8-1	0-6	9.36E-01	9.36E-01	2.59E-01	<MDA	1.61E-01	<MDA
SR41-31	FP8-1	6-18	6.06E-01	6.06E-01	1.72E-01	<MDA	1.36E-01	<MDA
SR41-31	FP8-1	18-30	<MDA	7.94E-02	<MDA	<MDA	1.19E-01	<MDA
SR41-31	FP8-1	30-42	<MDA	7.33E-02	<MDA	<MDA	1.10E-01	<MDA
SR41-31	FP8-1	42-58.5	<MDA	6.86E-02	<MDA	<MDA	1.04E-01	<MDA
SR41-32	FP8-2	0-6	4.53E-01	4.53E-01	1.72E-01	<MDA	1.76E-01	<MDA
SR41-32	FP8-2	6-18	<MDA	1.05E-01	<MDA	<MDA	1.57E-01	<MDA
SR41-32	FP8-2	18-30	<MDA	1.07E-01	<MDA	<MDA	1.63E-01	<MDA
SR41-32	FP8-2	30-42	<MDA	1.72E-01	<MDA	<MDA	2.56E-01	<MDA
SR41-32	FP8-2	42-54	<MDA	2.00E-01	<MDA	<MDA	2.98E-01	<MDA
SR41-33	FP7-2	0-6	1.91E+00	1.91E+00	3.41E-01	<MDA	1.66E-01	<MDA
SR41-33	FP7-2	6-18	<MDA	1.23E-01	<MDA	<MDA	1.34E-01	<MDA
SR41-33	FP7-2	18-30	<MDA	8.88E-02	<MDA	<MDA	1.33E-01	<MDA
SR41-33	FP7-2	30-42	<MDA	1.12E-01	<MDA	<MDA	1.70E-01	<MDA
SR41-33	FP7-2	42-54	<MDA	1.49E-01	<MDA	<MDA	2.23E-01	<MDA
SR41-34	FP8-3	0-6	<MDA	1.17E-01	<MDA	<MDA	1.76E-01	<MDA
SR41-34	FP8-3	6-18	<MDA	1.07E-01	<MDA	<MDA	1.63E-01	<MDA
SR41-34	FP8-3	18-30	<MDA	1.35E-01	<MDA	<MDA	2.02E-01	<MDA
SR41-34	FP8-3	30-42	<MDA	2.06E-01	<MDA	<MDA	2.24E-01	<MDA
SR41-34	FP8-3	42-54	<MDA	7.59E-02	<MDA	<MDA	1.14E-01	<MDA
SR41-35	FP8-4	0-6	6.39E-01	6.39E-01	2.20E-01	<MDA	2.07E-01	<MDA
SR41-35	FP8-4	6-18	6.17E-01	6.17E-01	1.77E-01	<MDA	1.14E-01	<MDA
SR41-35	FP8-4	18-30	9.61E-01	9.61E-01	1.96E-01	<MDA	1.08E-01	<MDA
SR41-35	FP8-4	30-42	<MDA	7.19E-02	<MDA	<MDA	1.08E-01	<MDA
SR41-35	FP8-4	42-54	<MDA	1.14E-01	<MDA	<MDA	1.74E-01	<MDA
SR41-36	FP5-3	0-6	2.41E+00	2.41E+00	5.77E-01	<MDA	3.08E-01	<MDA
SR41-36	FP5-3	6-18	<MDA	2.91E-01	<MDA	<MDA	1.50E-01	<MDA

SR-41 Plum Brook Floodplain Wetlands between Route 6 and the Plum Brook Country Club

Sample #	Location	Depth (in.)	Cs-137 pCi/g	Cs-137 w MDA values	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR41-36	FP5-3	18-30	<MDA	1.48E-01	<MDA	<MDA	1.64E-01	<MDA
SR41-36	FP5-3	30-42	<MDA	9.96E-02	<MDA	<MDA	1.49E-01	<MDA
SR41-36	FP5-3	42-54	<MDA	9.79E-02	<MDA	<MDA	1.47E-01	<MDA
SR41-36	FP5-3	0-6 QC	3.11E+00	3.11E+00	6.13E-01	<MDA	2.98E-01	<MDA
SR41-36	FP5-3	6-18 QC	2.85E-01	2.85E-01	1.22E+00	<MDA	1.43E-01	<MDA
SR41-36	FP5-3	18-30 QC	<MDA	1.11E-01	<MDA	<MDA	1.66E-01	<MDA
SR41-36	FP5-3	30-42 QC	<MDA	9.42E-02	<MDA	<MDA	1.41E-01	<MDA
SR41-36	FP5-3	42-54 QC	<MDA	9.84E-02	<MDA	<MDA	1.47E-01	<MDA
SR41-37	FP5-4	0-6	<MDA	9.35E-02	<MDA	<MDA	1.43E-01	<MDA
SR41-37	FP5-4	6-18	<MDA	1.18E-01	<MDA	<MDA	1.76E-01	<MDA
SR41-37	FP5-4	18-30	<MDA	9.89E-02	<MDA	<MDA	1.49E-01	<MDA
SR41-37	FP5-4	30-42	<MDA	7.63E-02	<MDA	<MDA	1.16E-01	<MDA
SR41-37	FP5-4	42-48.5	<MDA	8.98E-02	<MDA	<MDA	1.34E-01	<MDA
SR41-38	FP5-5	0-6	2.32E+00	2.32E+00	3.67E-01	<MDA	1.54E-01	<MDA
SR41-38	FP5-5	6-18	1.10E+00	1.10E+00	2.79E-01	<MDA	1.40E-01	<MDA
SR41-38	FP5-5	18-30	<MDA	1.34E-01	<MDA	<MDA	1.50E-01	<MDA
SR41-38	FP5-5	30-42	<MDA	1.26E-01	<MDA	<MDA	1.88E-01	<MDA
SR41-38	FP5-5	42-54	<MDA	7.56E-02	<MDA	<MDA	1.15E-01	<MDA
SR41-39	FP5-6	0-6	3.21E+00	3.21E+00	4.45E-01	<MDA	1.55E-01	<MDA
SR41-39	FP5-6	6-18	4.75E-01	4.75E-01	1.66E-01	<MDA	1.59E-01	<MDA
SR41-39	FP5-6	18-30	<MDA	9.71E-02	<MDA	<MDA	1.48E-01	<MDA
SR41-39	FP5-6	30-42	<MDA	1.45E-01	<MDA	<MDA	2.17E-01	<MDA
SR41-39	FP5-6	42-54	<MDA	9.23E-02	<MDA	<MDA	1.38E-01	<MDA
SR41-40	FP6-3	0-6	<MDA	1.59E-01	<MDA	<MDA	1.48E-01	<MDA
SR41-40	FP6-3	6-18	<MDA	1.09E-01	<MDA	<MDA	1.62E-01	<MDA
SR41-40	FP6-3	18-30	<MDA	1.10E-01	<MDA	<MDA	1.65E-01	<MDA
SR41-40	FP6-3	30-42	<MDA	8.19E-02	<MDA	<MDA	1.23E-01	<MDA
SR41-40	FP6-3	42-49.5	<MDA	7.05E-02	<MDA	<MDA	1.05E-01	<MDA
SR41-41	FP7-3	0-6	1.42E+01	1.42E+01	8.90E-01	2.25E-01	2.25E-01	8.38E-02
SR41-41	FP7-3	6-18	7.16E-01	7.16E-01	1.92E-01	<MDA	1.11E-01	<MDA
SR41-41	FP7-3	18-30	<MDA	7.12E-02	<MDA	<MDA	1.07E-01	<MDA
SR41-41	FP7-3	30-45.5	<MDA	7.10E-02	<MDA	<MDA	1.08E-01	<MDA
SR41-42	FP6-4	0-6	5.49E-01	5.49E-01	1.86E-01	<MDA	1.73E-01	<MDA
SR41-42	FP6-4	6-18	<MDA	1.11E-01	<MDA	<MDA	1.67E-01	<MDA
SR41-42	FP6-4	18-30	<MDA	1.18E-01	<MDA	<MDA	1.80E-01	<MDA
SR41-42	FP6-4	30-42	<MDA	1.26E-01	<MDA	<MDA	1.89E-01	<MDA
SR41-42	FP6-4	42-54	<MDA	1.11E-01	<MDA	<MDA	1.67E-01	<MDA
SR41-43	FP6-5	0-6	1.51E+00	1.51E+00	3.17E-01	<MDA	1.83E-01	<MDA
SR41-43	FP6-5	6-18	1.65E+00	1.65E+00	3.18E-01	<MDA	1.65E-01	<MDA
SR41-43	FP6-5	18-30	<MDA	1.16E-01	<MDA	<MDA	1.74E-01	<MDA
SR41-43	FP6-5	30-42	<MDA	1.61E-01	<MDA	<MDA	2.40E-01	<MDA

SR-41 Plum Brook Floodplain Wetlands between Route 6 and the Plum Brook Country Club

Sample #	Location	Depth (in.)	Cs-137 pCi/g	Cs-137 w MDA values	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR41-43	FP6-5	42-54	<MDA	1.98E-01	<MDA	<MDA	3.02E-01	<MDA
SR41-44	FP6-6	0-6	7.05E-01	7.05E-01	2.27E-01	<MDA	2.03E-01	<MDA
SR41-44	FP6-6	6-18	<MDA	1.05E-01	<MDA	<MDA	1.57E-01	<MDA
SR41-44	FP6-6	18-30	5.26E-01	5.26E-01	1.78E-01	<MDA	1.66E-01	<MDA
SR41-44	FP6-6	30-42	<MDA	1.19E-01	<MDA	<MDA	1.80E-01	<MDA
SR41-44	FP6-6	42-54	<MDA	1.27E-01	<MDA	<MDA	1.89E-01	<MDA
SR41-45	FP7-4	0-6	8.69E-01	8.69E-01	2.55E-01	<MDA	2.08E-01	<MDA
SR41-45	FP7-4	6-18	4.32E-01	4.32E-01	1.73E-01	<MDA	1.91E-01	<MDA
SR41-45	FP7-4	18-30	<MDA	1.12E-01	<MDA	<MDA	1.67E-01	<MDA
SR41-45	FP7-4	30-42	<MDA	1.19E-01	<MDA	<MDA	1.81E-01	<MDA
SR41-45	FP7-4	42-54	<MDA	1.46E-01	<MDA	<MDA	2.18E-01	<MDA
SR41-46	FP7-5	0-6	2.27E+00	2.27E+00	3.81E-01	<MDA	1.70E-01	<MDA
SR41-46	FP7-5	6-18	1.59E+00	1.59E+00	3.43E-01	<MDA	1.64E-01	<MDA
SR41-46	FP7-5	18-30	<MDA	1.28E-01	<MDA	<MDA	1.92E-01	<MDA
SR41-46	FP7-5	30-42	<MDA	1.45E-01	<MDA	<MDA	1.97E-01	<MDA
SR41-46	FP7-5	42-54	<MDA	9.72E-02	<MDA	<MDA	1.48E-01	<MDA
SR41-47	FP6A-1	0-6	1.79E+00	1.79E+00	3.48E-01	<MDA	1.85E-01	<MDA
SR41-47	FP6A-1	6-18	1.01E+00	1.01E+00	2.84E-01	<MDA	1.80E-01	<MDA
SR41-47	FP6A-1	18-30	<MDA	1.15E-01	<MDA	<MDA	1.75E-01	<MDA
SR41-47	FP6A-1	30-42	<MDA	2.27E-01	<MDA	<MDA	2.49E-01	<MDA
SR41-47	FP6A-1	42-54	<MDA	9.89E-02	<MDA	<MDA	1.51E-01	<MDA
SR41-48	FP5A-2	0-6	6.05E-01	6.05E-01	1.90E-01	<MDA	1.63E-01	<MDA
SR41-48	FP5A-2	6-18	4.62E-01	4.62E-01	2.01E-01	<MDA	1.60E-01	<MDA
SR41-48	FP5A-2	18-30	<MDA	1.31E-01	<MDA	<MDA	1.86E-01	<MDA
SR41-48	FP5A-2	30-42	<MDA	1.40E-01	<MDA	<MDA	2.10E-01	<MDA
SR41-48	FP5A-2	42-54	<MDA	1.31E-01	<MDA	<MDA	2.00E-01	<MDA
SR41-49	FP5A-1	0-6	1.06E+00	1.06E+00	3.19E-01	<MDA	2.20E-01	<MDA
SR41-49	FP5A-1	6-18	6.66E-01	6.66E-01	1.88E-01	<MDA	1.47E-01	<MDA
SR41-49	FP5A-1	18-30	<MDA	1.03E-01	<MDA	<MDA	1.55E-01	<MDA
SR41-49	FP5A-1	30-42	<MDA	1.19E-01	<MDA	<MDA	1.81E-01	<MDA
SR41-49	FP5A-1	42-54	<MDA	8.64E-02	<MDA	<MDA	1.36E-01	<MDA
SR41-50	FPA-2	0-6	3.16E-01	3.16E-01	1.20E-01	<MDA	1.25E-01	<MDA
SR41-50	FPA-2	6-18	<MDA	1.05E-01	<MDA	<MDA	1.03E-01	<MDA
SR41-50	FPA-2	18-30	<MDA	7.51E-02	<MDA	<MDA	1.12E-01	<MDA
SR41-50	FPA-2	30-42	<MDA	7.60E-02	<MDA	<MDA	1.14E-01	<MDA
SR41-50	FPA-2	42-54	<MDA	6.91E-02	<MDA	<MDA	1.05E-01	<MDA
SR41-51	FPB-2	0-6	<MDA	8.32E-02	<MDA	<MDA	1.25E-01	<MDA
SR41-51	FPB-2	6-18	<MDA	6.83E-02	<MDA	<MDA	1.02E-01	<MDA
SR41-51	FPB-2	18-30	<MDA	7.30E-02	<MDA	<MDA	1.09E-01	<MDA
SR41-51	FPB-2	30-41.5	<MDA	7.25E-02	<MDA	<MDA	1.09E-01	<MDA
SR41-52	FPB-3	0-6	3.96E-01	3.96E-01	1.40E-01	<MDA	1.36E-01	<MDA
SR41-52	FPB-3	6-18	2.24E-01	2.24E-01	9.79E-02	<MDA	1.18E-01	<MDA
SR41-52	FPB-3	18-30	<MDA	8.29E-02	<MDA	<MDA	1.24E-01	<MDA

SR-41 Plum Brook Floodplain Wetlands between Route 6 and the Plum Brook Country Club

Sample #	Location	Depth (in.)	Cs-137 pCi/g	Cs-137 w MDA values	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR41-52	FPB-3	30-41.5	<MDA	8.45E-02	<MDA	<MDA	1.26E-01	<MDA
SR41-53	FP-B-1	0-6	<MDA	2.35E-01	<MDA	<MDA	1.53E-01	<MDA
SR41-53	FP-B-1	6-18	<MDA	1.12E-01	<MDA	<MDA	1.68E-01	<MDA
SR41-53	FP-B-1	18-30	<MDA	7.50E-02	<MDA	<MDA	1.12E-01	<MDA
SR41-53	FP-B-1	30-39.5	<MDA	7.52E-02	<MDA	<MDA	1.15E-01	<MDA
SR41-54	FP-B-4	0-6	<MDA	1.17E-01	<MDA	<MDA	1.71E-01	<MDA
SR41-54	FP-B-4	6-18	6.50E-01	6.50E-01	1.58E-01	<MDA	1.04E-01	<MDA
SR41-54	FP-B-4	18-30	2.91E+00	2.91E+00	3.45E-01	<MDA	9.80E-02	<MDA
SR41-54	FP-B-4	30-42	<MDA	9.70E-02	<MDA	<MDA	1.15E-01	<MDA
SR41-54	FP-B-4	42-54	<MDA	9.39E-02	<MDA	<MDA	1.35E-01	<MDA
SR41-54	FP-B-4	0-6 QC	2.96E-01	2.96E-01	1.44E-01	<MDA	1.87E-01	<MDA
SR41-54	FP-B-4	6-18 QC	4.31E-01	4.31E-01	1.28E-01	<MDA	1.03E-01	<MDA
SR41-54	FP-B-4	18-30 QC	3.10E+00	3.10E+00	3.42E-01	<MDA	9.85E-02	<MDA
SR41-54	FP-B-4	30-42 QC	<MDA	7.12E-02	<MDA	<MDA	1.06E-01	<MDA
SR41-54	FP-B-4	42-54 QC	<MDA	7.77E-02	<MDA	<MDA	1.16E-01	<MDA
SR41-55	FP1-8	0-6	<MDA	9.83E-02	<MDA	<MDA	1.50E-01	<MDA
SR41-55	FP1-8	6-23.5	<MDA	8.47E-02	<MDA	<MDA	1.27E-01	<MDA
SR41-56	FP1-9	0-6	<MDA	8.65E-02	<MDA	<MDA	1.29E-01	<MDA
SR41-56	FP1-9	6-19.5	1.65E-01	1.65E-01	8.01E-02	<MDA	1.09E-01	<MDA
SR41-57	FP-A-3	0-6	3.54E-01	3.54E-01	1.20E-01	<MDA	1.11E-01	<MDA
SR41-57	FP-A-3	6-18	<MDA	1.15E-01	<MDA	<MDA	1.19E-01	<MDA
SR41-57	FP-A-3	18-30	<MDA	7.80E-02	<MDA	<MDA	1.16E-01	<MDA
SR41-57	FP-A-3	30-42	<MDA	7.32E-02	<MDA	<MDA	1.09E-01	<MDA
SR41-57	FP-A-3	42-54	<MDA	6.74E-02	<MDA	<MDA	1.03E-01	<MDA
SR41-58	FP-A-4	0-6	<MDA	9.49E-02	<MDA	<MDA	1.41E-01	<MDA
SR41-58	FP-A-4	6-18	<MDA	1.11E-01	<MDA	<MDA	1.32E-01	<MDA
SR41-59	FP-A-1	0-6	1.04E+00	1.04E+00	3.32E-01	<MDA	2.87E-01	<MDA
SR41-59	FP-A-1	6-18	<MDA	1.02E-01	<MDA	<MDA	1.34E-01	<MDA
SR41-59	FP-A-1	18-31	<MDA	9.51E-02	<MDA	<MDA	1.42E-01	<MDA
SR41-60	FP10-1	0-6	<MDA	1.07E-01	<MDA	<MDA	1.60E-01	<MDA
SR41-60	FP10-1	6-18	<MDA	8.52E-02	<MDA	<MDA	1.27E-01	<MDA
SR41-60	FP10-1	18-29.5	<MDA	7.34E-02	<MDA	<MDA	1.09E-01	<MDA
SR41-61	FP2-6	0-6	<MDA	8.44E-02	<MDA	<MDA	1.26E-01	<MDA
SR41-61	FP2-6	6-18	<MDA	1.23E-01	<MDA	<MDA	1.06E-01	<MDA
SR41-61	FP2-6	18-30	<MDA	1.32E-01	<MDA	<MDA	1.11E-01	<MDA
SR41-61	FP2-6	30-38	<MDA	7.02E-02	<MDA	<MDA	1.05E-01	<MDA
SR41-62	FP2-7	0-6	<MDA	6.99E-02	<MDA	<MDA	1.06E-01	<MDA
SR41-62	FP2-7	6-18	<MDA	6.49E-02	<MDA	<MDA	9.70E-02	<MDA
SR41-62	FP2-7	18-30	<MDA	7.15E-02	<MDA	<MDA	1.09E-01	<MDA
SR41-62	FP2-7	30-42	<MDA	9.88E-02	<MDA	<MDA	1.17E-01	<MDA
SR41-62	FP2-7	42-55	<MDA	7.72E-02	<MDA	<MDA	1.17E-01	<MDA

SR-41 Plum Brook Floodplain Wetlands between Route 6 and the Plum Brook Country Club

Sample #	Location	Depth (in.)	Cs-137 pCi/g	Cs-137 w MDA values	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR41-62	FP2-7	0-6 QC	<MDA	7.46E-02	<MDA	<MDA	1.12E-01	<MDA
SR41-62	FP2-7	6-18 QC	<MDA	7.38E-02	<MDA	<MDA	9.83E-02	<MDA
SR41-62	FP2-7	18-30 QC	<MDA	7.27E-02	<MDA	<MDA	1.08E-01	<MDA
SR41-62	FP2-7	30-42 QC	<MDA	8.15E-02	<MDA	<MDA	1.24E-01	<MDA
SR41-62	FP2-7	42-55 QC	<MDA	8.18E-02	<MDA	<MDA	1.22E-01	<MDA
SR41-63	FP3-6	0-6	<MDA	6.68E-02	<MDA	<MDA	1.02E-01	<MDA
SR41-63	FP3-6	6-22.5	<MDA	6.26E-02	<MDA	<MDA	9.36E-02	<MDA
SR41-64	FP3-7	0-6	3.82E-01	3.82E-01	1.36E-01	<MDA	1.34E-01	<MDA
SR41-64	FP3-7	6-18	<MDA	9.52E-02	<MDA	<MDA	1.42E-01	<MDA
SR41-64	FP3-7	18-30	<MDA	7.89E-02	<MDA	<MDA	1.20E-01	<MDA
SR41-64	FP3-7	30-40.5	<MDA	8.19E-02	<MDA	<MDA	1.07E-01	<MDA
SR41-65	IM-1	0-6	6.81E+00	6.81E+00	7.06E-01	<MDA	1.79E-01	<MDA
SR41-66	IM-1	6-18	4.34E-01	4.34E-01	1.56E-01	<MDA	1.52E-01	<MDA
SR41-67	IM-1	18-30	3.99E-01	3.99E-01	1.69E-01	<MDA	1.56E-01	<MDA
SR41-68	IM-1	30-42	8.56E-01	8.56E-01	2.22E-01	<MDA	1.58E-01	<MDA
SR41-69	IM-2	0-6	1.03E+01	1.03E+01	8.36E-01	<MDA	1.75E-01	<MDA
SR41-70	IM-2	6-18	1.09E+00	1.09E+00	2.32E-01	<MDA	1.32E-01	<MDA
SR41-71	IM-2	18-30	2.75E-01	2.75E-01	1.20E-01	<MDA	1.45E-01	<MDA
SR41-72	IM-3	0-6	<MDA	1.79E-01	<MDA	<MDA	1.19E-01	<MDA
Number			96	313	96	1	312	1
Min			1.65E-01	6.26E-02	8.01E-02	2.25E-01	9.36E-02	8.38E-02
Max			1.42E+01	1.42E+01	1.22E+00	2.25E-01	3.08E-01	8.38E-02
Avg			1.31E+00	4.74E-01	2.58E-01	2.25E-01	1.47E-01	NA
SD			1.95E+00	1.21E+00	1.84E-01	NA	4.12E-02	NA

SR-41 Sample Data Report Note: This sample data report format differs slightly from the standard table format of this Appendix. Sample depth is recorded in a separate column in the sample data report for this SR. To preserve space in this table, the sample weight column is not included.

SR-44 Plum Brook Stream Bed Investigational Sampling (Investigation of Selected Areas in SR 39)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ values (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values	Co-60 2σ values (pCi/g)
SR44-1	SM6-6 Bound 1	0-6	7.59E+00	7.59E+00	6.81E-01	<MDA	1.48E-01	<MDA
SR44-1	SM6-6 Bound 1	6-18	7.81E+00	7.81E+00	7.11E-01	<MDA	1.57E-01	<MDA
SR44-1	SM6-6 Bound 1	18-30	2.56E+00	2.56E+00	4.36E-01	<MDA	1.96E-01	<MDA
SR44-1	SM6-6 Bound 1	30-42	<MDA	1.73E-01	<MDA	<MDA	2.62E-01	<MDA
SR44-1	SM6-6 Bound 1	42-55	<MDA	1.50E-01	<MDA	<MDA	2.22E-01	<MDA
SR44-2	SM6-6 Bound 2	0-6	6.84E+00	6.84E+00	6.48E-01	<MDA	1.49E-01	<MDA
SR44-2	SM6-6 Bound 2	6-18	8.51E+00	8.51E+00	7.13E-01	<MDA	1.39E-01	<MDA
SR44-2	SM6-6 Bound 2	18-30	2.31E+00	2.31E+00	3.70E-01	<MDA	1.59E-01	<MDA
SR44-2	SM6-6 Bound 2	30-42	<MDA	1.88E-01	<MDA	<MDA	2.35E-01	<MDA
SR44-2	SM6-6 Bound 2	42-56.5	<MDA	2.00E-01	<MDA	<MDA	3.02E-01	<MDA
SR44-8	SM6-6 Bound A	0-6	3.24E+00	3.24E+00	4.00E-01	<MDA	1.29E-01	<MDA
SR44-8	SM6-6 Bound A	6-18	7.31E+00	7.31E+00	6.45E-01	<MDA	1.37E-01	<MDA
SR44-8	SM6-6 Bound A	18-30	1.63E+00	1.63E+00	2.98E-01	<MDA	1.23E-01	<MDA
SR44-8	SM6-6 Bound A	30-42	9.49E-01	9.49E-01	2.51E-01	<MDA	1.82E-01	<MDA
SR44-8	SM6-6 Bound A	42-54	<MDA	2.05E-01		<MDA	3.03E-01	<MDA
SR44-9	SM6-6 Bound B	0-6	3.48E+00	3.48E+00	4.36E-01	<MDA	1.40E-01	<MDA
SR44-9	SM6-6 Bound B	6-18	6.40E+00	6.40E+00	5.77E-01	<MDA	1.72E-01	<MDA
SR44-9	SM6-6 Bound B	18-30	9.00E-01	9.00E-01	2.64E-01	<MDA	1.70E-01	<MDA
SR44-9	SM6-6 Bound B	30-42	<MDA	1.91E-01	<MDA	<MDA	2.83E-01	<MDA
SR44-9	SM6-6 Bound B	42-54	<MDA	1.28E-01	<MDA	<MDA	1.92E-01	<MDA
SR44-10	SM6-6 Bound C	0-6	1.17E+01	1.17E+01	8.09E-01	<MDA	1.25E-01	<MDA
SR44-10	SM6-6 Bound C	6-18	2.28E+00	2.28E+00	3.29E-01	<MDA	1.24E-01	<MDA
SR44-10	SM6-6 Bound C	18-30	6.78E-01	6.78E-01	2.24E-01	<MDA	2.03E-01	<MDA
SR44-10	SM6-6 Bound C	30-42	<MDA	1.83E-01	<MDA	<MDA	2.71E-01	<MDA
SR44-10	SM6-6 Bound C	42-55	<MDA	1.14E-01	<MDA	<MDA	1.72E-01	<MDA
SR44-11	SM6-6 Bound D	0-6	7.09E+00	7.09E+00	6.38E-01	<MDA	2.27E-01	<MDA
SR44-11	SM6-6 Bound D	6-18	7.44E-01	7.44E-01	2.07E-01	<MDA	1.59E-01	<MDA
SR44-11	SM6-6 Bound D	18-30	<MDA	1.58E-01	<MDA	<MDA	2.34E-01	<MDA

SR-44 Plum Brook Stream Bed Investigational Sampling (Investigation of Selected Areas in SR 39)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ values (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values	Co-60 2σ values (pCi/g)
SR44-11	SM6-6 Bound D	30-42	<MDA	1.60E-01	<MDA	<MDA	2.37E-01	<MDA
SR44-11	SM6-6 Bound D	42-54	<MDA	1.25E-01	<MDA	<MDA	1.89E-01	<MDA
SR44-12	SM6-6 Bound E	0-6	4.15E+00	4.15E+00	4.49E-01	<MDA	1.22E-01	<MDA
SR44-12	SM6-6 Bound E	6-18	1.75E+00	1.75E+00	2.78E-01	<MDA	1.50E-01	<MDA
SR44-12	SM6-6 Bound E	18-30	3.11E-01	3.11E-01	1.39E-01	<MDA	1.72E-01	<MDA
SR44-12	SM6-6 Bound E	30-42	<MDA	1.44E-01	<MDA	<MDA	2.13E-01	<MDA
SR44-12	SM6-6 Bound E	42-54	<MDA	1.28E-01	<MDA	<MDA	1.89E-01	<MDA
SR44-13	SM6-6 Bound F	0-6	1.23E+01	1.23E+01	8.42E-01	<MDA	2.20E-01	<MDA
SR44-13	SM6-6 Bound F	6-18	2.44E+00	2.44E+00	3.62E-01	<MDA	1.29E-01	<MDA
SR44-13	SM6-6 Bound F	18-30	3.20E-01	3.20E-01	1.55E-01	<MDA	2.05E-01	<MDA
SR44-13	SM6-6 Bound F	30-42	<MDA	1.32E-01	<MDA	<MDA	1.99E-01	<MDA
SR44-13	SM6-6 Bound F	42-54	<MDA	1.61E-01	<MDA	<MDA	2.38E-01	<MDA
SR44-14	SM6-6 Relocate 2	0-6	6.09E+00	6.09E+00	5.89E-01	<MDA	1.36E-01	<MDA
SR44-14	SM6-6 Relocate 2	6-18	1.66E+00	1.66E+00	2.96E-01	<MDA	1.39E-01	<MDA
SR44-14	SM6-6 Relocate 2	18-30	3.13E-01	3.13E-01	1.52E-01	<MDA	2.01E-01	<MDA
SR44-14	SM6-6 Relocate 2	30-42	<MDA	1.80E-01	<MDA	<MDA	2.71E-01	<MDA
SR44-14	SM6-6 Relocate 2	42-57	<MDA	1.25E-01	<MDA	<MDA	1.84E-01	<MDA
SR44-14	SM6-6 Relocate 2	0-6 QC	7.27E+00	7.27E+00	6.43E-01	<MDA	1.31E-01	<MDA
SR44-14	SM6-6 Relocate 2	6-18 QC	1.75E+00	1.75E+00	2.98E-01	<MDA	1.36E-01	<MDA
SR44-14	SM6-6 Relocate 2	18-30 QC	<MDA	1.38E-01	<MDA	<MDA	2.04E-01	<MDA
SR44-14	SM6-6 Relocate 2	30-42 QC	<MDA	1.94E-01	<MDA	<MDA	2.87E-01	<MDA
SR44-14	SM6-6 Relocate 2	42-54 QC	<MDA	1.13E-01	<MDA	<MDA	1.69E-01	<MDA
SR44-15	SM1-4 Bound 1	0-6	5.31E+00	5.31E+00	5.38E-01	<MDA	1.35E-01	<MDA
SR44-15	SM1-4 Bound 1	6-18	5.28E+00	5.28E+00	5.24E-01	<MDA	1.79E-01	<MDA
SR44-15	SM1-4 Bound 1	18-30	3.42E+00	3.42E+00	4.31E-01	<MDA	1.40E-01	<MDA
SR44-15	SM1-4 Bound 1	30-42	<MDA	2.03E-01	<MDA	<MDA	3.01E-01	<MDA
SR44-15	SM1-4 Bound 1	42-54	<MDA	1.67E-01	<MDA	<MDA	2.51E-01	<MDA

SR-44 Plum Brook Stream Bed Investigational Sampling (Investigation of Selected Areas in SR 39)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ values (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values	Co-60 2σ values (pCi/g)
SR44-16	SM1-4 Bound 2	0-6	5.14E+00	5.14E+00	5.30E-01	<MDA	1.35E-01	<MDA
SR44-16	SM1-4 Bound 2	6-18	8.53E+00	8.53E+00	6.70E-01	<MDA	1.23E-01	<MDA
SR44-16	SM1-4 Bound 2	18-30	1.88E+00	1.88E+00	2.84E-01	<MDA	1.12E-01	<MDA
SR44-16	SM1-4 Bound 2	30-42	1.06E+00	1.06E+00	2.25E-01	<MDA	1.19E-01	<MDA
SR44-16	SM1-4 Bound 2	42-54	1.19E+00	1.19E+00	2.78E-01	<MDA	1.75E-01	<MDA
SR44-17	SM1-4 Bound 3	0-6	4.03E+00	4.03E+00	4.43E-01	<MDA	1.22E-01	<MDA
SR44-17	SM1-4 Bound 3	6-18	1.19E+01	1.19E+01	8.14E-01	2.28E-01	2.28E-01	8.51E-02
SR44-17	SM1-4 Bound 3	18-30	3.51E+00	3.51E+00	4.12E-01	2.84E-01	2.84E-01	1.38E-01
SR44-17	SM1-4 Bound 3	30-42	2.46E+00	2.46E+00	3.54E-01	<MDA	1.32E-01	<MDA
SR44-17	SM1-4 Bound 3	42-54	2.63E+00	2.63E+00	3.66E-01	<MDA	1.24E-01	<MDA
SR44-18	SM1-4 Bound 4	0-6	2.47E+00	2.47E+00	3.39E-01	<MDA	1.17E-01	<MDA
SR44-18	SM1-4 Bound 4	6-18	6.67E+00	6.67E+00	5.77E-01	<MDA	1.19E-01	<MDA
SR44-18	SM1-4 Bound 4	18-30	8.49E+00	8.49E+00	6.45E-01	<MDA	2.82E-01	<MDA
SR44-18	SM1-4 Bound 4	30-42	3.06E+00	3.06E+00	3.94E-01	<MDA	2.18E-01	<MDA
SR44-18	SM1-4 Bound 4	42-57	2.20E+00	2.20E+00	3.23E-01	<MDA	1.24E-01	<MDA
SR44-19	SM1-4 Bound 5	0-6	3.02E+00	3.02E+00	3.77E-01	<MDA	1.21E-01	<MDA
SR44-19	SM1-4 Bound 5	6-18	4.27E+00	4.27E+00	4.63E-01	<MDA	1.23E-01	<MDA
SR44-19	SM1-4 Bound 5	18-30	1.35E+01	1.35E+01	9.09E-01	2.27E-01	2.27E-01	9.07E-02
SR44-19	SM1-4 Bound 5	30-42	2.72E+00	2.72E+00	3.62E-01	<MDA	1.25E-01	<MDA
SR44-19	SM1-4 Bound 5	42-54	2.46E+00	2.46E+00	3.63E-01	<MDA	1.29E-01	<MDA
SR44-20	SM1-4 Bound 6	0-6	3.10E+00	3.10E+00	3.93E-01	<MDA	1.28E-01	<MDA
SR44-20	SM1-4 Bound 6	6-18	1.14E+01	1.14E+01	8.16E-01	2.63E-01	2.63E-01	9.81E-02
SR44-20	SM1-4 Bound 6	18-30	2.67E+00	2.67E+00	3.58E-01	<MDA	1.27E-01	<MDA
SR44-20	SM1-4 Bound 6	30-42	1.75E+00	1.75E+00	2.96E-01	<MDA	1.32E-01	<MDA
SR44-20	SM1-4 Bound 6	42-55.5	1.88E+00	1.88E+00	3.16E-01	<MDA	1.33E-01	<MDA
SR44-21	SM1-4 Relocate	0-6	4.18E+00	4.18E+00	5.41E-01	<MDA	1.81E-01	<MDA
SR44-21	SM1-4 Relocate	6-18	1.57E+01	1.57E+01	9.89E-01	<MDA	2.82E-01	<MDA
SR44-21	SM1-4 Relocate	18-30	3.33E+00	3.33E+00	4.07E-01	<MDA	1.29E-01	<MDA
SR44-21	SM1-4 Relocate	30-42	2.40E+00	2.40E+00	3.72E-01	<MDA	1.42E-01	<MDA
SR44-21	SM1-4 Relocate	42-54	1.93E+00	1.93E+00	3.34E-01	<MDA	1.42E-01	<MDA
SR44-21	SM1-4 Relocate	0-6 QC	3.56E+00	3.56E+00	4.71E-01	<MDA	1.65E-01	<MDA
SR44-21	SM1-4 Relocate	6-18 QC	1.48E+01	1.48E+01	9.79E-01	<MDA	1.40E-01	<MDA
SR44-21	SM1-4 Relocate	18-30 QC	3.43E+00	3.43E+00	4.28E-01	<MDA	1.62E-01	<MDA
SR44-21	SM1-4 Relocate	30-42 QC	2.25E+00	2.25E+00	3.44E-01	<MDA	1.38E-01	<MDA
SR44-21	SM1-4 Relocate	42-54 QC	1.94E+00	1.94E+00	3.16E-01	<MDA	1.36E-01	<MDA

SR-44 Plum Brook Stream Bed Investigational Sampling (Investigation of Selected Areas in SR 39)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ values (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values	Co-60 2σ values (pCi/g)
Number			67	90	67	4	90	4
Min			3.11E-01	1.13E-01	1.39E-01	2.27E-01	1.12E-01	8.51E-02
Max			1.57E+01	1.57E+01	9.89E-01	2.84E-01	3.03E-01	1.38E-01
Avg			4.48E+00	3.37E+00	4.60E-01	2.51E-01	1.78E-01	1.03E-01
SD			3.70E+00	3.70E+00	2.02E-01	2.79E-02	5.48E-02	2.39E-02

SR-44 Sample Data Report Note: This sample data report format differs slightly from the standard table format of this Appendix. Sample depth is recorded in a separate column in the sample data report for this SR. To preserve space in this table, the sample weight column is not included.

SR-45 Plum Brook Stream Bed, Section A – Investigational Sampling (Pentolite Rd to Clark Rd)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR45-14	OL4-1 EMA-1-1	0-6	5.05E+00	5.05E+00	4.66E-01	<MDA	1.07E-01	<MDA
SR45-15	OL4-1 EMA-1 B1	0-6	<MDA	1.46E-01	<MDA	<MDA	1.21E-01	<MDA
SR45-16	OL4-1 EMA-1 B2	0-6	1.26E+00	1.26E+00	2.24E-01	<MDA	1.05E-01	<MDA
SR45-17	OL4-1 EMA-1 B3	0-6	3.05E+00	3.05E+00	3.68E-01	<MDA	1.09E-01	<MDA
SR45-1	OL4-1 EMA-2-2	0-6	2.70E+01	2.70E+01	1.31E+00	<MDA	2.21E-01	<MDA
SR45-2	OL4-1 EMA-2-2	6-18	7.17E-01	7.17E-01	1.74E-01	<MDA	1.13E-01	<MDA
SR45-3	OL4-1 EMA-2-2	18-30	1.72E+00	1.72E+00	2.83E-01	<MDA	1.22E-01	<MDA
SR45-4	OL4-1 EMA-2-2	30-36	6.40E-01	6.40E-01	1.60E-01	<MDA	1.09E-01	<MDA
SR45-5	OL4-1 EMA-2-3	0-6	2.53E+01	2.53E+01	1.22E+00	3.00E-01	3.00E-01	8.72E-02
SR45-6	OL4-1 EMA-2-3	**0-6 QC**	2.58E+01	2.58E+01	1.22E+00	2.57E-01	2.57E-01	8.13E-02
SR45-7	OL4-1 EMA-2-3	6-33.5	3.22E-01	3.22E-01	1.14E-01	<MDA	1.10E-01	<MDA
SR45-8	OL4-1 EMA-2-3	**6-33.5 QC**	3.58E-01	3.58E-01	1.17E-01	<MDA	1.03E-01	<MDA
SR45-9	OL4-1 EMA-2-4	0-6	1.02E+01	1.02E+01	7.00E-01	<MDA	1.07E-01	<MDA
SR45-10	OL4-1 EMA-2-4	6-18	1.16E+00	1.16E+00	5.41E-01	<MDA	1.13E-01	<MDA
SR45-25	OL4-1 EMA-2-5	0-6	2.89E+00	2.89E+00	3.48E-01	<MDA	1.03E-01	<MDA
SR45-26	OL4-1 EMA-2-6	0-6	1.66E+00	1.66E+00	2.81E-01	<MDA	1.15E-01	<MDA
SR45-27	OL4-1 EMA-2-7	0-6	1.14E+01	1.14E+01	7.23E-01	<MDA	9.74E-02	<MDA
SR45-28	OL4-1 EMA-2-7	6-12 (H)	7.95E+00	7.95E+00	6.16E-01	<MDA	1.07E-01	<MDA
SR45-29	OL4-1 EMA-2-7	12-18 (H)	2.13E+00	2.13E+00	3.19E-01	<MDA	1.06E-01	<MDA
SR45-31	OL4-1 EMA-2-8	0-6	1.50E+00	1.50E+00	2.47E-01	<MDA	9.97E-02	<MDA
SR45-30	OL4-1 EMA-2-9	0-6	3.34E+00	3.34E+00	3.79E-01	<MDA	1.09E-01	<MDA
SR45-18	OL4-1 EMA-3-1	0-6	2.91E+01	2.91E+01	1.41E+00	2.42E-01	2.42E-01	8.80E-02
SR45-19	OL4-1EMA-3-2	0-6	1.54E+01	1.54E+01	9.69E-01	<MDA	1.24E-01	<MDA
SR45-20	OL4-1 EMA-3-3	0-6	1.48E+01	1.48E+01	8.91E-01	<MDA	1.13E-01	<MDA
SR45-21	OL4-1 EMA-3-4	0-6	2.60E-01	2.60E-01	1.04E-01	<MDA	1.13E-01	<MDA
SR45-22	OL4-1 EMA-3-4	**0-6 QC**	2.19E-01	2.19E-01	9.35E-02	<MDA	1.08E-01	<MDA
SR45-23	OL4-1 EMA-3-5	0-6	1.06E+00	1.06E+00	2.07E-01	<MDA	1.10E-01	<MDA
SR45-24	OL4-1 EMA-3-6	0-6	4.78E+00	4.78E+00	4.86E-01	<MDA	1.25E-01	<MDA
SR45-46	OL4-1 EMA-3-7	0-6	4.22E+00	4.22E+00	4.54E-01	<MDA	1.20E-01	<MDA
SR45-44	OL4-1 EMA-3-8	0-6	5.50E+01	5.50E+01	2.24E+00	3.45E-01	3.45E-01	1.04E-01
SR45-45	OL4-1 EMA-3-9	0-6	8.96E+00	8.96E+00	7.49E-01	<MDA	1.57E-01	<MDA
SR45-47	OL4-1 EMA-3-10	0-6	1.26E+01	1.26E+01	8.76E-01	<MDA	1.33E-01	<MDA
SR45-34	OL4-1 EMA-4-1	0-6	2.61E+01	2.61E+01	1.26E+00	2.22E-01	2.22E-01	1.11E-01
SR45-35	OL4-1 EMA-4-1	6-12 (H)	1.95E+01	1.95E+01	1.08E+00	<MDA	1.13E-01	<MDA
SR45-36	OL4-1 EMA-4-1	12-18 (H)	3.32E+00	3.32E+00	3.72E-01	<MDA	1.07E-01	<MDA
SR45-32	OL4-1 EMA-4-2	0-6	9.62E+00	9.62E+00	6.72E-01	<MDA	1.03E-01	<MDA
SR45-33	OL4-1 EMA-4-2	6-12 (H)	4.13E+00	4.13E+00	4.25E-01	<MDA	1.06E-01	<MDA
SR45-11	OL4-1 P2-5 SM-3	0-6	4.41E+01	4.41E+01	1.90E+00	3.45E-01	3.45E-01	1.05E-01
SR45-12	OL4-1 P2-5 SM-3	6-12 Horiz	1.22E+01	1.22E+01	7.91E-01	<MDA	1.05E-01	<MDA
SR45-38	OL4-1 EMA-4-3	12-18 (H)	6.91E+00	6.91E+00	5.43E-01	<MDA	1.01E-01	<MDA
SR45-13	OL4-1 P2-5 SM-3	6-12 Vert	1.04E+01	1.04E+01	7.15E-01	<MDA	1.07E-01	<MDA
SR45-37	OL4-1 EMA-4-4	0-6	8.95E+00	8.95E+00	6.50E-01	<MDA	1.07E-01	<MDA

SR-45 Plum Brook Stream Bed, Section A – Investigational Sampling (Pentolite Rd to Clark Rd)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR45-39	OL4-1 EMA-4-5	0-6	9.93E+00	9.93E+00	6.72E-01	<MDA	9.82E-02	<MDA
SR45-40	OL4-1 EMA-4-6	0-6	1.79E-01	1.79E-01	8.23E-02	<MDA	1.04E-01	<MDA
SR45-41	OL4-1 EMA-4-6	**0-6 QC**	3.12E-01	3.12E-01	1.31E-01	<MDA	1.15E-01	<MDA
SR45-42	OL4-1 EMA-4-7	0-6	6.77E+00	6.77E+00	5.49E-01	<MDA	1.83E-01	<MDA
SR45-43	OL4-1 EMA-4-8	0-6	1.20E+00	1.20E+00	2.41E-01	<MDA	1.29E-01	<MDA
SR45-57	OL4-2 P2-21 SM-1	0-6	4.66E+00	4.66E+00	4.49E-01	<MDA	9.81E-02	<MDA
SR45-58	OL4-2 P2-21 SM-1	6-12 (H)	1.05E+00	1.05E+00	1.91E-01	<MDA	9.36E-02	<MDA
SR45-59	OL4-2 P2-21 SM-1	12-18 (H)	2.59E+00	2.59E+00	3.84E-01	<MDA	1.49E-01	<MDA
SR45-48	OL4-2 P2-21 SM-2	0-6	2.98E+01	2.98E+01	1.45E+00	<MDA	2.40E-01	<MDA
SR45-49	OL4-2 P2-21 SM-2	6-12 (H)	5.87E+01	5.87E+01	2.31E+00	<MDA	1.88E-01	<MDA
SR45-54	OL4-2 P2-21 SM-2	12-18 (H)	1.94E+01	1.94E+01	1.01E+00	<MDA	9.73E-02	<MDA
SR45-55	OL4-2 P2-21 SM-2	18-24 (H)	1.59E+00	1.59E+00	2.84E-01	<MDA	1.34E-01	<MDA
SR45-56	OL4-2 P2-21 SM-2	6-16 (V)	3.04E+00	3.04E+00	3.22E-01	<MDA	8.70E-02	<MDA
SR45-60	OL4-2 P2-21 SM-3	0-6	6.25E+00	6.25E+00	5.19E-01	<MDA	1.29E-01	<MDA
SR45-61	OL4-2 P2-21 SM-3	6-12 (H)	6.66E-01	6.66E-01	1.68E-01	<MDA	9.69E-02	<MDA
SR45-62	OL4-2 P2-21 SM-4	0-6	3.85E+01	3.85E+01	1.71E+00	2.50E-01	2.50E-01	9.19E-02
SR45-63	OL4-2 P2-21 SM-4	**0-6 QC**	1.38E+01	1.38E+01	8.58E-01	<MDA	1.12E-01	<MDA
SR45-64	OL4-2 P2-21 SM-4	6-12 (H)	4.88E-01	4.88E-01	1.49E-01	<MDA	1.00E-01	<MDA
SR45-65	OL4-2 P2-21 SM-5	0-6	1.03E+00	1.03E+00	1.92E-01	<MDA	8.95E-02	<MDA
SR45-66	OL4-2 P2-21 SM-5	6-12 (H)	<MDA	8.74E-02	<MDA	<MDA	1.02E-01	<MDA
SR45-50	OL4-2 P2-24 SM-1	0-6	2.40E+01	2.40E+01	1.24E+00	2.28E-01	2.28E-01	8.36E-02
SR45-51	OL4-2 P2-24 SM-1	6-12 (H)	2.17E+01	2.17E+01	1.11E+00	<MDA	1.01E-01	<MDA
SR45-52	OL4-2 P2-24 SM-2	0-6	1.27E+01	1.27E+01	8.12E-01	6.12E-01	6.12E-01	1.35E-01
SR45-53	OL4-2 P2-24 SM-2	6-12 (H)	5.49E+00	5.49E+00	4.71E-01	<MDA	1.70E-01	<MDA
SR45-67	OL4-2 P2-24 SM-3	0-6	3.20E+00	3.20E+00	3.58E-01	<MDA	9.73E-02	<MDA
SR45-68	OL4-2 P2-24 SM-3	6-12 (H)	4.35E-01	4.35E-01	1.59E-01	<MDA	1.10E-01	<MDA
SR45-69	OL4-2 P2-24 SM-3	12-18 (H)	<MDA	6.67E-02	<MDA	<MDA	1.00E-01	<MDA
SR45-70	OL4-2 P2-24 SM-4	0-6	3.03E+01	3.03E+01	1.42E+00	1.59E+00	1.59E+00	2.12E-01
SR45-71	OL4-2 P2-24 SM-4	6-12 (H)	1.26E+01	1.26E+01	8.07E-01	6.53E-01	6.53E-01	1.36E-01
SR45-72	OL4-2 P2-24 SM-4	12-18 (H)	2.09E+00	2.09E+00	3.18E-01	<MDA	1.27E-01	<MDA
SR45-73	OL4-2 P2-24 SM-5	0-6	3.43E+00	3.43E+00	3.71E-01	<MDA	1.03E-01	<MDA
SR45-74	OL4-2 P2-24 SM-5	6-12 (H)	1.47E+00	1.47E+00	2.36E-01	<MDA	9.97E-02	<MDA
SR45-75	OL4-2 P2-24 SM-5	12-18 (H)	<MDA	6.45E-02	<MDA	<MDA	9.71E-02	<MDA
SR45-76	OL4-2 P2-24 SM-6	0-6	7.45E+00	7.45E+00	5.88E-01	4.53E-01	4.53E-01	1.23E-01
SR45-77	OL4-2 P2-24 SM-6	6-12 (H)	1.37E+00	1.37E+00	2.61E-01	<MDA	1.22E-01	<MDA
SR45-78	OL4-2 P2-24 SM-6	12-18 (H)	3.18E-01	3.18E-01	1.16E-01	<MDA	1.15E-01	<MDA
SR45-79	OL4-2 P2-24 SM-6	18-24 (H)	3.46E-01	3.46E-01	1.25E-01	<MDA	1.24E-01	<MDA
SR45-89	OL4-2 EMA-1 SM-2	0-6	1.57E+01	1.57E+01	9.25E-01	<MDA	1.07E-01	<MDA
SR45-90	OL4-2 EMA-1 SM-2	6-12 (H)	5.29E+00	5.29E+00	4.59E-01	<MDA	9.74E-02	<MDA
SR45-91	OL4-2 EMA-1 SM-2	12-18 (H)	2.93E-01	2.93E-01	1.18E-01	<MDA	1.28E-01	<MDA
SR45-80	OL4-2 EMA-1 SM-3	0-6	2.97E+01	2.97E+01	1.36E+00	<MDA	1.31E-01	<MDA
SR45-81	OL4-2 EMA-1 SM-3	**0-6 QC**	1.40E+01	1.40E+01	8.70E-01	<MDA	1.12E-01	<MDA
SR45-82	OL4-2 EMA-1 SM-3	6-12 (H)	4.54E-01	4.54E-01	1.32E-01	<MDA	1.05E-01	<MDA
SR45-83	OL4-2 EMA-1 SM-4	0-6	3.57E+00	3.57E+00	4.00E-01	<MDA	1.13E-01	<MDA

SR-45 Plum Brook Stream Bed, Section A – Investigational Sampling (Pentolite Rd to Clark Rd)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
SR45-84	OL4-2 EMA-1 SM-4	6-12 (H)	2.47E+00	2.47E+00	3.27E-01	<MDA	1.02E-01	<MDA
SR45-85	OL4-2 EMA-1 SM-4	12-18 (H)	1.46E+00	1.46E+00	2.79E-01	<MDA	1.42E-01	<MDA
SR45-86	OL4-2 EMA-1 SM-5	0-6	3.42E+00	3.42E+00	3.89E-01	<MDA	1.10E-01	<MDA
SR45-87	OL4-2 EMA-1 SM-5	6-12 (H)	4.13E+00	4.13E+00	4.51E-01	<MDA	1.19E-01	<MDA
SR45-88	OL4-2 EMA-1 SM-5	12-18 (H)	3.35E+00	3.35E+00	4.08E-01	2.29E-01	2.29E-01	9.61E-02
SR45-92	OL4-2 EMA-1 SM-6	0-6	5.78E+01	5.78E+01	2.26E+00	<MDA	2.80E-01	<MDA
SR45-93	OL4-2 EMA-1 SM-6	6-12 (H)	7.24E+01	7.24E+01	2.77E+00	4.35E-01	4.35E-01	1.12E-01
SR45-94	OL4-2 EMA-1 SM-6	12-18 (H)	9.78E+00	9.78E+00	8.12E-01	<MDA	1.58E-01	<MDA
SR45-95	OL4-2 EMA-2 SM-4	0-6	8.24E+00	8.24E+00	6.45E-01	<MDA	1.17E-01	<MDA
SR45-96	OL4-2 EMA-2 SM-4	6-12 (H)	7.94E+00	7.94E+00	6.63E-01	<MDA	1.28E-01	<MDA
SR45-97	OL4-2 EMA-2 SM-4	12-18 (H)	8.73E-01	8.73E-01	2.53E-01	<MDA	1.93E-01	<MDA
SR45-98	OL4-2 EMA-2 SM-5	0-6	4.01E+00	4.01E+00	4.23E-01	<MDA	1.47E-01	<MDA
SR45-99	OL4-2 EMA-2 SM-5	6-12 (H)	3.42E+00	3.42E+00	3.96E-01	<MDA	1.49E-01	<MDA
SR45-100	OL4-2 EMA-2 SM-5	12-18 (H)	2.53E+00	2.53E+00	3.17E-01	<MDA	9.78E-02	<MDA
SR45-105	OL4-2 EMA-2 SM-6	0-6	3.56E+00	3.56E+00	3.78E-01	<MDA	1.03E-01	<MDA
SR45-106	OL4-2 EMA-2 SM-6	6-12 (H)	3.95E+00	3.95E+00	4.36E-01	<MDA	1.10E-01	<MDA
SR45-107	OL4-2 EMA-2 SM-6	12-18 (H)	3.50E+00	3.50E+00	3.99E-01	<MDA	1.18E-01	<MDA
SR45-108	OL4-2 EMA-2 SM-6	18-24 (H)	1.95E+00	1.95E+00	2.89E-01	<MDA	1.12E-01	<MDA
SR45-113	OL4-2 EMA-2 SM-7	0-6	6.21E+00	6.21E+00	5.28E-01	<MDA	1.05E-01	<MDA
SR45-114	OL4-2 EMA-2 SM-7	6-12 (H)	5.46E+00	5.46E+00	5.23E-01	<MDA	1.20E-01	<MDA
SR45-115	OL4-2 EMA-2 SM-7	12-18 (H)	3.98E-01	3.98E-01	1.22E-01	<MDA	1.01E-01	<MDA
SR45-101	OL4-2 EMA-2 P2-30	0-6	2.99E+00	2.99E+00	3.74E-01	<MDA	1.13E-01	<MDA
SR45-102	OL4-2 EMA-2 P2-30	**0-6 QC**	2.56E+00	2.56E+00	3.30E-01	<MDA	1.10E-01	<MDA
SR45-103	OL4-2 EMA-2 P2-30	6-12 (H)	4.32E-01	4.32E-01	1.25E-01	<MDA	9.99E-02	<MDA
SR45-104	OL4-2 EMA-2 P2-30	12-18 (H)	1.77E-01	1.77E-01	7.94E-02	<MDA	9.64E-02	<MDA
SR45-109	OL4-2 EMA-2 P2-31	0-6	2.05E+01	2.05E+01	1.07E+00	2.67E-01	2.67E-01	9.23E-02
SR45-110	OL4-2 EMA-2 P2-31	6-12 (H)	5.01E+00	5.01E+00	4.68E-01	<MDA	1.56E-01	<MDA
SR45-111	OL4-2 EMA-2 P2-31	12-18 (H)	1.33E+00	1.33E+00	2.23E-01	<MDA	1.01E-01	<MDA
SR45-112	OL4-2 EMA-2 P2-31	18-24 (H)	<MDA	7.59E-02	<MDA	<MDA	1.12E-01	<MDA
SR45-116	OL4-2 EMA-3 Drain pipe	N/A	5.27E-01	5.27E-01	1.84E-01	<MDA	2.02E-01	<MDA
SR45-	OL4-2 EMA-3 SM-2	0-6	1.45E+01	1.45E+01	8.52E-01	1.96E-01	1.96E-01	8.07E-02

SR-45 Plum Brook Stream Bed, Section A – Investigational Sampling (Pentolite Rd to Clark Rd)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
117								
SR45-118	OL4-2 EMA-3 SM-2	6-12 (H)	3.63E+00	3.63E+00	3.84E-01	<MDA	1.04E-01	<MDA
SR45-119	OL4-2 EMA-3 SM-2	12-18 (H)	5.53E+00	5.53E+00	4.64E-01	<MDA	8.99E-02	<MDA
SR45-120	OL4-2 EMA-3 SM-2	18-24 (H)	4.26E-01	4.26E-01	1.34E-01	<MDA	9.91E-02	<MDA
SR45-121	OL4-2 EMA-3 SM-2	24-30 (H)	2.79E-01	2.79E-01	1.17E-01	<MDA	1.32E-01	<MDA
SR45-122	OL4-2 EMA-3 SM-3	0-6	4.18E+01	4.18E+01	1.82E+00	4.22E-01	4.22E-01	1.13E-01
SR45-123	OL4-2 EMA-3 SM-3	**0-6 QC**	3.90E+01	3.90E+01	1.64E+00	<MDA	1.75E-01	<MDA
SR45-124	OL4-2 EMA-3 SM-3	6-12 (H)	1.17E+01	1.17E+01	7.46E-01	<MDA	9.99E-02	<MDA
SR45-125	OL4-2 EMA-3 SM-3	12-18 (H)	5.05E+00	5.05E+00	4.27E-01	<MDA	8.76E-02	<MDA
SR45-126	OL4-2 EMA-3 SM-3	18-24 (H)	2.55E+00	2.55E+00	3.23E-01	<MDA	9.73E-02	<MDA
SR45-127	OL4-2 EMA-3 SM-3	24-30 (H)	6.27E-01	6.27E-01	1.44E-01	<MDA	9.04E-02	<MDA
SR45-128	OL4-2 EMA-3 SM-4	0-6	4.11E+01	4.11E+01	1.80E+00	<MDA	1.42E-01	<MDA
SR45-129	OL4-2 EMA-3 SM-4	6-12 (H)	6.52E+00	6.52E+00	5.12E-01	<MDA	9.18E-02	<MDA
SR45-130	OL4-2 EMA-3 SM-4	12-18 (H)	6.39E+00	6.39E+00	5.62E-01	<MDA	1.67E-01	<MDA
SR45-131	OL4-2 EMA-3 SM-4	18-24 (H)	4.36E+00	4.36E+00	4.24E-01	<MDA	9.55E-02	<MDA
SR45-132	OL4-2 EMA-3 SM-4	24-30 (H)	3.90E+00	3.90E+00	3.95E-01	<MDA	9.97E-02	<MDA
SR45-147	OL4-2 EMA-3 SM-5	0-6	3.41E+00	3.41E+00	3.80E-01	<MDA	1.03E-01	<MDA
SR45-148	OL4-2 EMA-3 SM-5	6-12 (H)	1.24E+00	1.24E+00	2.50E-01	<MDA	1.15E-01	<MDA
SR45-149	OL4-2 EMA-3 SM-5	12-18 (H)	7.12E-01	7.12E-01	1.84E-01	<MDA	9.87E-02	<MDA
SR45-150	OL4-2 EMA-3 SM-5	18-24 (H)	2.61E-01	2.61E-01	1.22E-01	<MDA	1.03E-01	<MDA
SR45-133	OL4-2 EMA-3 SM-6	0-6	7.83E+00	7.83E+00	5.84E-01	1.99E-01	1.99E-01	7.19E-02
SR45-134	OL4-2 EMA-3 SM-6	6-12 (H)	3.30E+00	3.30E+00	3.66E-01	<MDA	9.81E-02	<MDA
SR45-135	OL4-2 EMA-3 SM-6	12-18 (H)	3.25E+00	3.25E+00	3.53E-01	<MDA	1.07E-01	<MDA
SR45-136	OL4-2 EMA-3 SM-6	18-24 (H)	1.91E+00	1.91E+00	2.88E-01	<MDA	1.07E-01	<MDA
SR45-137	OL4-2 EMA-3 SM-6	24-30 (H)	1.30E+00	1.30E+00	2.16E-01	<MDA	8.98E-02	<MDA
SR45-	OL4-2 EMA-3 SM-7	0-6	2.34E+00	2.34E+00	2.96E-01	<MDA	9.86E-02	<MDA

SR-45 Plum Brook Stream Bed, Section A – Investigational Sampling (Pentolite Rd to Clark Rd)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
142								
SR45-143	OL4-2 EMA-3 SM-7	**0-6 QC**	2.48E+00	2.48E+00	3.32E-01	<MDA	1.15E-01	<MDA
SR45-144	OL4-2 EMA-3 SM-7	6-12 (H)	2.12E+00	2.12E+00	3.11E-01	<MDA	1.16E-01	<MDA
SR45-145	OL4-2 EMA-3 SM-7	12-18 (H)	5.08E+00	5.08E+00	1.16E-01	<MDA	1.16E-01	<MDA
SR45-146	OL4-2 EMA-3 SM-7	18-24 (H)	3.69E+00	3.69E+00	3.93E-01	<MDA	1.05E-01	<MDA
SR45-138	OL4-2 EMA-3 SM-8	0-6	2.34E+00	2.34E+00	3.15E-01	<MDA	1.09E-01	<MDA
SR45-139	OL4-2 EMA-3 SM-8	6-12 (H)	1.04E+01	1.04E+01	6.66E-01	<MDA	9.33E-02	<MDA
SR45-140	OL4-2 EMA-3 SM-8	12-18 (H)	9.19E+00	9.19E+00	6.69E-01	<MDA	1.09E-01	<MDA
SR45-141	OL4-2 EMA-3 SM-8	18-30 (H)	4.64E+00	4.64E+00	4.67E-01	<MDA	1.11E-01	<MDA
SR45-151	OL4-2 P2-34 SM-2	0-6	4.94E+01	4.94E+01	1.98E+00	<MDA	9.45E-02	<MDA
SR45-152	OL4-2 P2-34 SM-2	6-12 (H)	2.51E+01	2.51E+01	1.33E+00	2.67E-01	2.67E-01	9.47E-02
SR45-153	OL4-2 P2-34 SM-2	12-18 (H)	2.93E+00	2.93E+00	3.42E-01	<MDA	1.02E-01	<MDA
SR45-170	OL4-2 P2-34 SM-3	0-6	1.04E+01	1.04E+01	6.84E-01	<MDA	9.43E-02	<MDA
SR45-171	OL4-2 P2-34 SM-3	6-12 (H)	1.51E+01	1.51E+01	8.94E-01	<MDA	1.06E-01	<MDA
SR45-172	OL4-2 P2-34 SM-3	12-18 (H)	6.62E+00	6.62E+00	5.60E-01	<MDA	1.13E-01	<MDA
SR45-154	OL4-2 P2-34 SM-4	0-6	2.32E+00	2.32E+00	3.24E-01	<MDA	1.17E-01	<MDA
SR45-155	OL4-2 P2-34 SM-4	6-12 (H)	7.37E+00	7.37E+00	6.51E-02	<MDA	1.39E-01	<MDA
SR45-156	OL4-2 P2-34 SM-4	12-18 (H)	7.88E+00	7.88E+00	5.86E-01	<MDA	1.23E-01	<MDA
SR45-157	OL4-2 P2-34 SM-5	0-6	2.11E+00	2.11E+00	2.97E-01	<MDA	1.02E-01	<MDA
SR45-158	OL4-2 P2-34 SM-5	6-12 (H)	2.66E+00	2.66E+00	3.42E-01	<MDA	1.06E-01	<MDA
SR45-159	OL4-2 P2-34 SM-5	12-18 (H)	3.31E+00	3.31E+00	4.05E-01	<MDA	1.27E-01	<MDA
SR45-160	OL4-2 P2-34 SM-6	0-6	3.40E+00	3.40E+00	3.79E-01	<MDA	1.07E-01	<MDA
SR45-161	OL4-2 P2-34 SM-6	**0-6 QC**	3.02E+00	3.02E+00	3.55E-01	<MDA	1.37E-01	<MDA
SR45-162	OL4-2 P2-34 SM-6	6-12 (H)	2.33E+00	2.33E+00	2.93E-01	<MDA	9.66E-02	<MDA
SR45-163	OL4-2 P2-34 SM-6	12-18 (H)	1.12E+00	1.12E+00	2.34E-01	<MDA	1.12E-01	<MDA
SR45-	OL4-2 P2-34 SM-7	0-6	5.63E+00	5.63E+00	5.04E-01	<MDA	1.06E-01	<MDA

SR-45 Plum Brook Stream Bed, Section A – Investigational Sampling (Pentolite Rd to Clark Rd)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA Values (pCi/g)	Co-60 2σ (pCi/g)
164								
SR45-165	OL4-2 P2-34 SM-7	6-12 (H)	5.02E+00	5.02E+00	4.61E-01	2.56E-01	2.56E-01	8.25E-02
SR45-166	OL4-2 P2-34 SM-7	12-18 (H)	2.45E+00	2.45E+00	3.34E-01	<MDA	1.18E-01	<MDA
SR45-167	OL4-2 P2-34 SM-8	0-6	3.57E+00	3.57E+00	3.88E-01	<MDA	1.08E-01	<MDA
SR45-168	OL4-2 P2-34 SM-8	6-12 (H)	3.87E+00	3.87E+00	4.41E-01	<MDA	1.27E-01	<MDA
SR45-169	OL4-2 P2-34 SM-8	12-18 (H)	3.87E+00	3.87E+00	4.22E-01	<MDA	1.12E-01	<MDA
SR45-173	OL4-2 P2-34 SM-9	0-6	2.60E+00	2.60E+00	3.12E-01	<MDA	9.04E-02	<MDA
SR45-174	OL4-2 P2-34 SM-9	6-12 (H)	4.09E-01	4.09E-01	1.23E-01	<MDA	9.90E-02	<MDA
SR45-175	OL4-2 P2-34 SM-9	12-18 (H)	<MDA	1.25E-01	<MDA	<MDA	9.84E-02	<MDA
SR45-176	OL4-2 EMA-4 SM-1	0-6	7.56E-01	7.56E-01	2.13E-01	<MDA	1.26E-01	<MDA
SR45-177	OL4-2 EMA-4 SM-1	6-12 (H)	1.46E+00	1.46E+00	2.87E-01	<MDA	1.53E-01	<MDA
SR45-178	OL4-2 EMA-4 SM-1	12-18 (H)	2.15E+00	2.15E+00	3.16E-01	<MDA	1.21E-01	<MDA
SR45-179	OL4-2 EMA-4 SM-2	0-6	1.53E+00	1.53E+00	2.84E-01	<MDA	1.42E-01	<MDA
SR45-180	OL4-2 EMA-4 SM-2	**0-6 QC**	1.21E+00	1.21E+00	2.50E-01	<MDA	1.38E-01	<MDA
SR45-181	OL4-2 EMA-4 SM-2	6-12 (H)	1.19E+01	1.19E+01	8.08E-01	<MDA	1.17E-01	<MDA
SR45-182	OL4-2 EMA-4 SM-2	12-18 (H)	1.98E+01	1.98E+01	1.11E+00	<MDA	1.21E-01	<MDA
SR45-183	OL4-2 EMA-4 SM-3	0-6	1.68E+00	1.68E+00	3.25E-01	<MDA	1.68E-01	<MDA
SR45-184	OL4-2 EMA-4 SM-3	6-12 (H)	2.39E+00	2.39E+00	3.34E-01	<MDA	1.24E-01	<MDA
Number			178	184	178	20	184	20
Minimum			1.77E-01	6.45E-02	6.51E-02	1.96E-01	8.70E-02	
Max			7.24E+01	7.24E+01	2.77E+00	1.59E+00	1.59E+00	2.12E-01
Avg			8.59E+00	8.32E+00	5.62E-01	3.88E-01	1.47E-01	1.05E-01
SD			1.24E+01	1.23E+01	4.83E-01	3.11E-01	1.34E-01	3.09E-02

SR-45 Sample Data Report Note: This sample data report format differs slightly from the standard table format of this Appendix. Sample depth is recorded in a separate column in the sample data report for this SR. To preserve space in this table, the sample weight column is not included

SR-46 Plum Brook Stream Bed Section B Investigational Sampling (Clark Rd to Taylorbrook Lane)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR46-1	OL4-3 EMA-1-3	0"-6"	1.12E+01	1.12E+01	9.19E-01	<MDA	1.78E-01	<MDA
SR46-2	OL4-3 EMA-1-5	0"-6"	1.64E+01	1.64E+01	1.20E+00	<MDA	1.97E-01	<MDA
SR46-3	OL4-3 EMA-1-5	0"-6" QC	1.64E+01	1.64E+01	1.18E+00	<MDA	2.34E-01	<MDA
SR46-4	OL4-3 EMA-1-5	6"-12"	4.87E+00	4.87E+00	5.07E-01	<MDA	1.32E-01	<MDA
SR46-5	OL4-3 EMA-1-4	0"-6"	1.52E+01	1.52E+01	1.01E+00	<MDA	1.47E-01	<MDA
SR46-6	OL4-3 EMA-2-1	0"-6"	7.96E+00	7.96E+00	6.29E-01	<MDA	1.46E-01	<MDA
SR46-7	OL4-3 EMA-2-2	0"-6"	1.55E+00	1.55E+00	2.64E-01	<MDA	1.18E-01	<MDA
SR46-8	OL4-3 EMA-2-3	0"-6"	6.19E+00	6.19E+00	5.67E-01	<MDA	1.22E-01	<MDA
SR46-9	OL4-3 EMA-4-2	0"-6"	1.65E+00	1.65E+00	2.95E-01	<MDA	1.28E-01	<MDA
SR46-10	OL4-3 EMA-4-2	6"-12"	5.96E+00	5.96E+00	5.30E-01	<MDA	1.16E-01	<MDA
SR46-11	OL4-3 EMA-4-2	12"-18"	9.56E-01	9.56E-01	1.87E-01	<MDA	9.89E-02	<MDA
SR46-12	OL4-3 EMA-4-2	18"-24"	1.08E+00	1.08E+00	1.92E-01	<MDA	9.24E-02	<MDA
SR46-13	OL4-3 EMA-4-3	0"-6"	7.15E-01	7.15E-01	1.89E-01	<MDA	1.37E-01	<MDA
SR46-14	OL4-3 EMA-4-3	6"-12"	6.15E+00	6.15E+00	5.34E-01	<MDA	1.10E-01	<MDA
SR46-15	OL4-3 EMA-4-3	12"-18"	<MDA	7.69E-02	<MDA	<MDA	9.44E-02	<MDA
SR46-16	OL4-3 EMA-4-4	0"-6"	2.06E+00	2.06E+00	3.15E-01	<MDA	1.20E-01	<MDA
SR46-17	OL4-3 EMA-4-4	6"-12"	1.59E+01	1.59E+01	9.36E-01	<MDA	1.13E-01	<MDA
SR46-18	OL4-3 EMA-4-4	12"-18"	1.72E+00	1.72E+00	2.74E-01	<MDA	1.04E-01	<MDA
SR46-19	OL4-4 EMA-1-2	0"-6"	7.39E+00	7.39E+00	6.94E-01	<MDA	1.54E-01	<MDA
SR46-20	OL4-4 EMA-1-2	6"-12"	1.29E+01	1.29E+01	8.48E-01	<MDA	1.18E-01	<MDA
SR46-21	OL4-4 EMA-1-3	0"-6"	2.88E+00	2.88E+00	3.90E-01	<MDA	1.39E-01	<MDA
SR46-22	OL4-4 EMA-1-3	0"-6" QC	3.95E+00	3.95E+00	4.58E-01	<MDA	1.37E-01	<MDA
SR46-23	OL4-4 EMA-1-4	0"-6"	2.37E+00	2.37E+00	3.64E-01	<MDA	1.47E-01	<MDA
SR46-24	OL4-4 EMA-1-4	6"-12"	2.54E+00	2.54E+00	3.10E-01	<MDA	9.91E-02	<MDA
SR46-25	OL4-4 P2B9 SM1	0"-6"	7.06E+00	7.06E+00	6.56E-01	<MDA	1.49E-01	<MDA
SR46-26	OL4-4 P2B9 SM1	6"-12"	1.72E+00	1.72E+00	2.79E-01	<MDA	1.85E-01	<MDA
SR46-27	OL4-4 P2B9 SM1	12"-18"	1.35E+00	1.35E+00	2.45E-01	<MDA	1.17E-01	<MDA
SR46-28	OL4-4 P2B10 SM1	0"-6"	<MDA	8.19E-02	<MDA	<MDA	1.23E-01	<MDA
SR46-29	OL4-4 P2B10 SM1	6"-12"	<MDA	7.96E-02	<MDA	<MDA	1.18E-01	<MDA
SR46-30	OL4-4 P2B10 SM1	12"-18"	<MDA	6.61E-02	<MDA	<MDA	9.94E-02	<MDA
SR46-31	OL4-4 P2B10 SM1	18"-24"	<MDA	6.75E-02	<MDA	<MDA	9.98E-02	<MDA
Number			26	31	26	0	31	0
Min			7.15E-01	6.61E-02	1.87E-01	N/A	9.24E-02	N/A
Max			1.64E+01	1.64E+01	1.20E+00	N/A	2.34E-01	N/A
Avg			6.08E+00	5.11E+00	5.37E-01	N/A	1.31E-01	N/A
SD			5.33E+00	5.36E+00	3.10E-01	N/A	3.23E-02	N/A

SR-46 Sample Data Report Note: This sample data report format differs slightly from the standard table format of this Appendix. Sample depth is recorded in a separate column in the sample data report for this SR. To preserve space in this table, the sample weight column is not included

SR-47 Plum Brook Stream Bed Section C Investigational Sampling (Taylorbrook Lane to Bogart Rd.)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR47-21	OL4-5 EMA1-2	0"-6"	1.73E+01	1.73E+01	9.78E-01	2.88E-01	2.88E-01	9.09E-02
SR47-22	OL4-5 EMA1-2 QC	0"-6"	1.81E+01	1.81E+01	1.05E+00	2.57E-01	2.57E-01	9.78E-02
SR47-23	OL4-5 EMA1-3	0"-6"	6.11E+00	6.11E+00	5.66E-01	<MDA	1.19E-01	<MDA
SR47-24	OL4-5 EMA1-4	0"-6"	5.26E+00	5.26E+00	5.02E-01	<MDA	1.20E-01	<MDA
SR47-25	OL4-5 EMA1-5	0"-6"	1.10E+01	1.10E+01	8.16E-01	<MDA	1.31E-01	<MDA
SR47-26	OL4-5 EMA1-6	0"-6"	4.35E+00	4.35E+00	4.95E-01	<MDA	1.37E-01	<MDA
SR47-27	OL4-5 EMA1-7	0"-6"	2.20E+00	2.20E+00	2.95E-01	<MDA	1.31E-01	<MDA
SR47-44	OL4-5 EMA2-2	0"-6"	6.85E+00	6.85E+00	5.37E-01	<MDA	1.00E-01	<MDA
SR47-45	OL4-5 EMA2-2 QC	0"-6"	7.58E+00	7.58E+00	6.03E-01	<MDA	1.10E-01	<MDA
SR47-46	OL4-5 EMA2-2	6"-12"	6.22E+00	6.22E+00	5.19E-01	<MDA	1.33E-01	<MDA
SR47-47	OL4-5 EMA2-2	12"-18"	3.12E+00	3.12E+00	3.89E-01	<MDA	1.17E-01	<MDA
SR47-48	OL4-5 EMA2-2	18"-24"	2.42E-01	2.42E-01	1.20E-01	<MDA	1.13E-01	<MDA
SR47-52	OL4-5 EMA2-3	0"-6"	7.03E+00	7.03E+00	6.23E-01	<MDA	1.30E-01	<MDA
SR47-53	OL4-5 EMA2-3	6"-12"	8.68E+00	8.68E+00	6.38E-01	<MDA	1.87E-01	<MDA
SR47-49	OL4-5 EMA2-4	0"-6"	5.06E-01	5.06E-01	1.35E-01	<MDA	9.84E-02	<MDA
SR47-50	OL4-5 EMA2-4	6"-12"	1.16E+00	1.16E+00	2.41E-01	<MDA	1.33E-01	<MDA
SR47-51	OL4-5 EMA2-4	12"-18"	4.25E+00	4.25E+00	4.00E-01	<MDA	8.55E-02	<MDA
SR47-54	OL4-5 EMA3-1	0"-6"	2.03E+01	2.03E+01	1.11E+00	<MDA	1.14E-01	<MDA
SR47-55	OL4-5 EMA3-1 QC	0"-6"	2.04E+01	2.04E+01	1.05E+00	<MDA	9.74E-02	<MDA
SR47-56	OL4-5 EMA3-2	0"-6"	1.43E+01	1.43E+01	9.09E-01	<MDA	1.22E-01	<MDA
SR47-57	OL4-5 EMA3-3	0"-6"	1.05E+01	1.05E+01	7.07E-01	<MDA	1.05E-01	<MDA
SR47-12	OL4-6 EMA1-1	0"-6"	1.97E+01	1.97E+01	1.15E+00	<MDA	1.36E-01	<MDA
SR47-11	OL4-6 EMA1-2	0"-6"	7.55E+00	7.55E+00	6.48E-01	<MDA	1.33E-01	<MDA
SR47-13	OL4-6 EMA1-4	0"-6"	9.92E+00	9.92E+00	7.23E-01	<MDA	1.22E-01	<MDA
SR47-14	OL4-6 EMA1-5	0"-6"	7.91E+00	7.91E+00	6.55E-01	<MDA	2.29E-01	<MDA
SR47-15	OL4-6 EMA1-6	0"-6"	6.05E+00	6.05E+00	5.77E-01	<MDA	1.28E-01	<MDA
SR47-16	OL4-6 EMA1-7	0"-6"	4.60E+00	4.60E+00	4.91E-01	<MDA	1.30E-01	<MDA
SR47-17	OL4-6 EMA1-8	0"-6"	3.43E+00	3.43E+00	4.22E-01	<MDA	1.26E-01	<MDA
SR47-18	OL4-6 EMA1-9	0"-6"	6.65E+00	6.65E+00	6.05E-01	<MDA	1.29E-01	<MDA
SR47-19	OL4-6 EMA1-10	0"-6"	3.98E+00	3.98E+00	4.15E-01	<MDA	1.10E-01	<MDA
SR47-20	OL4-6 EMA1-11	0"-6"	4.00E+00	4.00E+00	4.44E-01	<MDA	1.24E-01	<MDA
SR47-6	OL4-6 EMA2-2	0"-6"	3.30E+01	3.30E+01	1.73E+00	<MDA	1.88E-01	<MDA
SR47-3	OL4-6 EMA2-4	0"-6"	2.37E+01	2.37E+01	1.05E+00	2.49E-01	2.49E-01	6.80E-02
SR47-4	OL4-6 EMA2-4 QC	0"-6"	2.36E+01	2.36E+01	1.28E+00	<MDA	2.09E-01	<MDA
SR47-5	OL4-6 EMA2-5	0"-6"	9.96E+00	9.96E+00	7.72E-01	<MDA	1.39E-01	<MDA
SR47-7	OL4-6 EMA2-6	0"-6"	6.72E+00	6.72E+00	5.98E-01	<MDA	1.31E-01	<MDA
SR47-8	OL4-6 EMA2-7	0"-6"	7.72E+00	7.72E+00	6.74E-01	<MDA	1.41E-01	<MDA
SR47-9	OL4-6 EMA2-8	0"-6"	1.40E+01	1.40E+01	1.01E+00	<MDA	1.52E-01	<MDA
SR47-10	OL4-6 EMA2-9	0"-6"	4.33E+00	4.33E+00	4.94E-01	<MDA	1.42E-01	<MDA
SR47-28	OL4-6 EMA2-10	0"-6"	5.14E+00	5.14E+00	5.27E-01	<MDA	1.37E-01	<MDA
SR47-29	OL4-6 EMA2-11	0"-6"	4.12E+00	4.12E+00	4.70E-01	<MDA	1.29E-01	<MDA

SR-47 Plum Brook Stream Bed Section C Investigational Sampling (Taylorbrook Lane to Bogart Rd.)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR47-30	OL4-6 EMA2-12	0"-6"	1.99E+00	1.99E+00	3.50E-01	<MDA	1.66E-01	<MDA
SR47-31	OL4-6 EMA2-13	0"-6"	4.43E+00	4.43E+00	5.21E-01	<MDA	1.56E-01	<MDA
SR47-1	OL4-6 EMA3-1	0"-6"	5.92E+00	5.92E+00	5.33E-01	<MDA	1.19E-01	<MDA
SR47-2	OL4-6 EMA3-1	6"-12"	<MDA	2.02E-01	<MDA	<MDA	1.18E-01	<MDA
SR47-39	OL4-6 EMA4-1	0"-6"	4.05E+00	4.05E+00	4.77E-01	<MDA	1.34E-01	<MDA
SR47-40	OL4-6 EMA4-2	0"-6"	4.85E+00	4.85E+00	4.77E-01	<MDA	1.18E-01	<MDA
SR47-41	OL4-6 EMA4-3	0"-6"	5.71E+00	5.71E+00	5.74E-01	<MDA	1.43E-01	<MDA
SR47-42	OL4-6 EMA4-4	0"-6"	2.53E+01	2.53E+01	1.34E+00	1.34E-01	1.34E-01	7.77E-02
SR47-43	OL4-6 EMA4-5	0"-6"	1.42E+00	1.42E+00	2.64E-01	<MDA	1.30E-01	<MDA
SR47-32	OL4-6 EMA5-1	0"-6"	7.50E+00	7.50E+00	6.45E-01	<MDA	1.35E-01	<MDA
SR47-33	OL4-6 EMA5-2	0"-6"	4.57E+00	4.57E+00	5.14E-01	<MDA	1.39E-01	<MDA
SR47-34	OL4-6 EMA5-3	0"-6"	1.67E+01	1.67E+01	1.06E+00	2.45E-01	2.45E-01	9.65E-02
SR47-35	OL4-6 EMA5-4	0"-6"	7.24E+00	7.24E+00	6.80E-01	<MDA	1.56E-01	<MDA
SR47-36	OL4-6 EMA5-5	0"-6"	4.32E+00	4.32E+00	4.85E-01	<MDA	1.40E-01	<MDA
SR47-37	OL4-6 EMA5-6	0"-6"	5.93E+00	5.93E+00	5.88E-01	<MDA	1.44E-01	<MDA
SR47-38	OL4-6 EMA5-7	0"-6"	6.01E+00	6.01E+00	5.72E-01	<MDA	1.36E-01	<MDA
Number			56	57	56	5	57	5
Min			2.42E-01	2.02E-01	1.20E-01	1.34E-01	8.55E-02	6.80E-02
Max			3.30E+01	3.30E+01	1.73E+00	2.88E-01	2.88E-01	9.78E-02
Avg			8.71E+00	8.56E+00	6.52E-01	2.35E-01	1.43E-01	8.62E-02
SD			7.04E+00	7.07E+00	3.08E-01	5.87E-02	4.10E-02	1.29E-02

SR-47 Sample Data Report Note: This sample data report format differs slightly from the standard table format of this Appendix. Sample depth is recorded in a separate column in the sample data report for this SR. To preserve space in this table, the sample weight column is not included

SR-48 Plum Brook Stream Bed Section D Investigational (Bogart Rd. to Rt. 250)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCg/g)
SR48-1	OL4-7 EMA1 P2-D7	0"-6"	7.04E+00	7.04E+00	5.76E-01	<MDA	1.08E-01	<MDA
SR48-2	OL4-7 EMA1 P2-D7	0"-6" QC	6.43E+00	6.43E+00	5.21E-01	<MDA	1.02E-01	<MDA
SR48-3	OL4-7 EMA1 P2-D7	6"-12" (H)	1.09E+01	1.09E+01	7.36E-01	<MDA	1.41E-01	<MDA
SR48-4	OL4-7 EMA1 P2-D7	12"-18" (H)	1.06E+01	1.06E+01	7.08E-01	<MDA	1.04E-01	<MDA
SR48-5	OL4-7 EMA1-1	0"-6"	1.61E+01	1.61E+01	9.35E-01	<MDA	1.08E-01	<MDA
SR48-6	OL4-7 EMA1-1	6"-12" (H)	1.61E+01	1.61E+01	9.18E-01	<MDA	1.04E-01	<MDA
SR48-7	OL4-7 EMA1-1	12"-18" (H)	2.05E+01	2.05E+01	1.10E+00	<MDA	1.08E-01	<MDA
SR48-8	OL4-7 EMA1 P2-D9	0"-6"	5.90E+00	5.90E+00	5.06E-01	<MDA	1.06E-01	<MDA
SR48-9	OL4-7 EMA1 P2-D9	6"-12" (H)	5.23E+00	5.23E+00	4.61E-01	<MDA	9.78E-02	<MDA
SR48-10	OL4-7 EMA1 P2-D9	12"-18" (H)	6.85E+00	6.85E+00	5.54E-01	<MDA	1.05E-01	<MDA
SR48-11	OL4-7 EMA1 P2-D11	0"-6"	1.32E+01	1.32E+01	8.17E-01	<MDA	1.73E-01	<MDA
SR48-12	OL4-7 EMA1 P2-D11	6"-12" (H)	1.67E+01	1.67E+01	9.42E-01	3.88E-01	3.88E-01	1.04E-01
SR48-13	OL4-7 EMA1 P2-D11	12"-18" (H)	1.39E+01	1.39E+01	8.44E-01	2.18E-01	2.18E-01	7.73E-01
SR48-14	OL4-7 EMA1 D-5	0"-6"	2.25E+01	2.25E+01	1.13E+00	<MDA	1.00E-01	<MDA
SR48-15	OL4-7 EMA1 D-5	6"-12" (H)	2.71E+01	2.71E+01	1.33E+00	3.87E-01	3.87E-01	1.06E-01
SR48-16	OL4-7 EMA1 D-5	12"-18" (H)	9.77E+00	9.77E+00	6.99E-01	<MDA	2.09E-01	<MDA
SR48-17	OL4-7 EMA1-2	0"-6"	1.57E+01	1.57E+01	9.29E-01	2.83E-01	2.83E-01	9.02E-02
SR48-18	OL4-7 EMA1-2	6"-12"	5.70E+00	5.70E+00	5.09E-01	<MDA	1.10E-01	<MDA
SR48-19	OL4-7 EMA1-2	12"-18"	1.93E+00	1.93E+00	2.94E-01	<MDA	1.18E-01	<MDA
SR48-20	OL4-7 P2-D16-1	0"-6"	8.42E+00	8.42E+00	6.28E-01	<MDA	1.06E-01	<MDA
SR48-21	OL4-7 P2-D16-1	0"-6" QC	7.94E+00	7.94E+00	6.13E-01	<MDA	1.09E-01	<MDA
SR48-22	OL4-7 P2-D16-1	6"-12" (H)	7.04E+00	7.04E+00	6.20E-01	<MDA	1.29E-01	<MDA
SR48-23	OL4-7 P2-D16-1	12"-18" (H)	2.72E+00	2.72E+00	3.35E-01	<MDA	1.06E-01	<MDA
SR48-24	OL4-7 P2-D17-1	0"-6"	5.90E+00	5.90E+00	5.48E-01	<MDA	2.88E-01	<MDA
SR48-25	OL4-7 P2-D17-1	6"-12" (H)	1.48E+01	1.48E+01	9.65E-01	4.25E-01	4.25E-01	1.25E-01
SR48-26	OL4-7 P2-D17-1	12"-18" (H)	9.78E+00	9.78E+00	7.03E-01	2.88E-01	2.88E-01	9.03E-02

SR-48 Plum Brook Stream Bed Section D Investigational (Bogart Rd. to Rt. 250)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCg/g)
SR48-27	OL4-7 P2-D17-2	0"-6"	9.53E+00	9.53E+00	6.89E-01	<MDA	1.12E-01	<MDA
SR48-28	OL4-7 P2-D17-2	6"-12"	1.10E+01	1.10E+01	7.18E-01	3.74E-01	3.74E-01	9.93E-02
SR48-29	OL4-7 P2-D17-2	12"-18"	1.04E+01	1.04E+01	7.20E-01	<MDA	1.08E-01	<MDA
SR48-30	OL4-7 P2-D17-3	0"-6"	4.34E+01	4.34E+01	2.05E+00	5.15E-01	5.15E-01	1.21E-01
SR48-31	OL4-7 P2-D17-3	6"-12" (H)	1.27E+01	1.27E+01	7.98E-01	2.95E-01	2.95E-01	9.17E-02
SR48-32	OL4-7 P2-D17-3	12"-18" (H)	1.70E+01	1.70E+01	1.02E+00	<MDA	3.50E-01	<MDA
SR48-33	OL4-7 P2-D17-3	18"-24" (H)	4.13E+00	4.13E+00	4.28E-01	<MDA	1.24E-01	<MDA
SR48-34	OL4-7 P2-D17-3	24"-30"	3.50E+00	3.50E+00	4.03E-01	<MDA	1.20E-01	<MDA
SR48-35	OL4-7 P2-D17-4	0"-6"	3.95E+00	3.95E+00	4.00E-01	<MDA	1.03E-01	<MDA
SR48-36	OL4-7 P2-D17-4	6"-12"	1.67E+01	1.67E+01	9.33E-01	3.52E-01	3.52E-01	9.74E-02
SR48-37	OL4-7 P2-D17-4	12"-18"	9.69E+00	9.69E+00	6.80E-01	<MDA	1.07E-01	<MDA
SR48-38	OL4-7 P2-D17-4	18"-24"	1.40E+01	1.40E+01	8.78E-01	<MDA	1.16E-01	<MDA
SR48-39	OL4-7 P2-D17-5	0"-6"	7.84E+00	7.84E+00	5.96E-01	<MDA	1.04E-01	<MDA
SR48-40	OL4-7 P2-D17-5	6"-12"	6.42E+00	6.42E+00	5.42E-01	<MDA	1.21E-01	<MDA
SR48-41	OL4-7 P2-D17-5	12"-18"	2.37E-01	2.37E-01	9.70E-02	<MDA	1.08E-01	<MDA
SR48-42	OL4-7 P2-D17-6	0"-6"	5.78E+00	5.78E+00	5.32E-01	<MDA	1.18E-01	<MDA
SR48-43	OL4-7 P2-D17-6	0"-6" QC	5.37E+00	5.37E+00	5.39E-01	<MDA	1.27E-01	<MDA
SR48-44	OL4-7 P2-D17-6	6"-12"	1.67E+01	1.67E+01	9.57E-01	3.84E-01	3.84E-01	1.07E-01
SR48-45	OL4-7 P2-D17-6	12"-18"	5.89E+00	5.89E+00	5.00E-01	<MDA	9.63E-02	<MDA
Number			45	45	45	11	45	11
Min			2.37E-01	2.37E-01	9.70E-02	2.18E-01	9.63E-02	9.02E-02
Max			4.34E+01	4.34E+01	2.05E+00	5.15E-01	5.15E-01	7.73E-01
Avg			1.10E+01	1.10E+01	7.20E-01	3.55E-01	1.83E-01	1.64E-01
SD			7.57E+00	7.57E+00	3.17E-01	8.11E-02	1.16E-01	2.02E-01

SR-48 Sample Data Report Note: This sample data report format differs slightly from the standard table format of this Appendix. Sample depth is recorded in a separate column in the sample data report for this SR. To preserve space in this table, the sample weight column is not included

SR-49 Plum Brook Stream Bed Section E Investigational Sampling (Rt. 250 to Rt. 2)

Sample #	Location	Sample Depth Depth (in)	Cs-137 (pCi/g)	CS-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR49-1	OL4-8 EMA1-1	0"-6"	1.32E+01	1.32E+01	8.58E-01	<MDA	1.21E-01	<MDA
SR49-2	OL4-8 EMA1-1	0"-6" QC	1.24E+01	1.24E+01	9.16E-01	2.85E-01	2.85E-01	1.09E-01
SR49-3	OL4-8 EMA1-1	6"-12" (H)	6.94E+00	6.94E+00	5.42E-01	<MDA	9.71E-02	<MDA
SR49-4	OL4-8 EMA1-1	12"-18" (H)	3.68E+00	3.68E+00	3.92E-01	<MDA	1.05E-01	<MDA
SR49-5	OL4-8 EMA1-1	18"-24" (H)	1.52E+00	1.52E+00	2.56E-01	<MDA	1.05E-01	<MDA
SR49-6	OL4-8 EMA1-2	0"-6"	9.08E+00	9.08E+00	6.64E-01	<MDA	1.10E-01	<MDA
SR49-7	OL4-8 EMA1-2	6"-12" (H)	4.14E+00	4.14E+00	4.38E-01	<MDA	1.19E-01	<MDA
SR49-8	OL4-8 EMA1-2	12"-18" (H)	7.22E-01	7.22E-01	1.66E-01	<MDA	1.02E-01	<MDA
SR49-9	OL4-8 EMA1-3	0"-6"	7.17E+00	7.17E+00	5.64E-01	<MDA	1.03E-01	<MDA
SR49-10	OL4-8 EMA1-3	6"-12" (H)	6.96E+00	6.96E+00	6.09E-01	<MDA	1.24E-01	<MDA
SR49-11	OL4-8 EMA1-3	12"-18" (H)	1.97E+00	1.97E+00	2.72E-01	<MDA	9.94E-02	<MDA
SR49-12	OL4-8 EMA1-3	18"-24" (H)	5.72E-01	5.72E-01	2.43E-01	<MDA	2.02E-01	<MDA
SR49-13	OL4-8 EMA1-4	0"-6"	1.22E+01	1.22E+01	7.63E-01	<MDA	1.01E-01	<MDA
SR49-14	OL4-8 EMA1-4	6"-12" (H)	5.96E+00	5.96E+00	5.08E-01	<MDA	1.03E-01	<MDA
SR49-15	OL4-8 EMA1-5	0"-6"	1.14E+01	1.14E+01	7.28E-01	<MDA	9.84E-02	<MDA
SR49-16	OL4-8 EMA1-5	6"-12" (H)	2.25E+00	2.25E+00	3.23E-01	<MDA	1.12E-01	<MDA
SR49-17	OL4-8 EMA1-5	12"-18" (H)	1.19E+00	1.19E+00	2.40E-01	<MDA	1.19E-01	<MDA
SR49-18	OL4-8 EMA1-6	0"-6" QC	1.95E+01	1.95E+01	1.14E+00	3.13E-01	3.13E-01	1.04E-01
SR49-19	OL4-8 EMA1-6	0"-6"	1.80E+01	1.80E+01	1.05E+00	9.91E-01	9.91E-01	1.89E-01
SR49-20	OL4-8 EMA2-1	0"-6"	9.10E+00	9.10E+00	7.19E-01	<MDA	1.29E-01	<MDA
SR49-21	OL4-8 EMA2-1	6"-12" (H)	5.10E+00	5.10E+00	4.74E-01	<MDA	1.10E-01	<MDA
SR49-22	OL4-8 EMA2-2	0"-6"	7.07E+00	7.07E+00	6.05E-01	<MDA	1.24E-01	<MDA
SR49-23	OL4-8 EMA2-2	6"-12" (H)	1.44E+01	1.44E+01	9.59E-01	<MDA	2.15E-01	<MDA
SR49-24	OL4-8 EMA2-3	0"-6"	4.08E+00	4.08E+00	4.23E-01	<MDA	1.38E-01	<MDA
SR49-25	OL4-8 EMA2-3	6"-12" (H)	1.38E+01	1.38E+01	8.59E-01	<MDA	1.66E-01	<MDA
SR49-26	OL4-8 EMA3-1	0"-6"	4.30E+00	4.30E+00	4.41E-01	<MDA	1.07E-01	<MDA
SR49-27	OL4-8 EMA3-1	6"-12" (H)	2.48E+00	2.48E+00	3.45E-01	<MDA	1.18E-01	<MDA
SR49-28	OL4-8 EMA3-1	12"-18" (H)	1.34E+00	1.34E+00	2.64E-01	<MDA	1.41E-01	<MDA
SR49-29	OL4-8 EMA3-1	18"-24" (H)	1.46E+00	1.46E+00	4.03E-01	<MDA	1.81E-01	<MDA
SR49-30	OL4-8 EMA3-2	0"-6"	3.73E+00	3.73E+00	4.17E-01	<MDA	1.18E-01	<MDA
SR49-31	OL4-8 EMA3-2	6"-12" (H)	5.32E+00	5.32E+00	5.06E-01	<MDA	2.29E-01	<MDA
SR49-32	OL4-8 EMA3-2	12"-18" (H)	4.01E+00	4.01E+00	4.88E-01	<MDA	1.52E-01	<MDA
SR49-33	OL4-8 EMA3-2	18"-24" (H)	4.60E+00	4.60E+00	4.98E-01	<MDA	1.39E-01	<MDA
SR49-34	OL4-8 EMA3-3	0"-6"	2.10E+00	2.10E+00	3.05E-01	<MDA	1.09E-01	<MDA
SR49-35	OL4-8 EMA3-3	6"-12" (H)	4.91E+00	4.91E+00	4.75E-01	<MDA	1.11E-01	<MDA
SR49-36	OL4-8 EMA3-3	12"-18" (H)	1.14E+01	1.14E+01	8.33E-01	<MDA	1.36E-01	<MDA
SR49-37	OL4-8 EMA3-4	0"-6"	2.44E+00	2.44E+00	3.41E-01	<MDA	1.27E-01	<MDA
SR49-38	OL4-8 EMA3-4	6"-12" (H)	3.41E+00	3.41E+00	4.41E-01	<MDA	1.38E-01	<MDA
SR49-39	OL4-8 EMA3-4	12"-18" (H)	4.74E+00	4.74E+00	4.88E-01	<MDA	1.21E-01	<MDA
SR49-40	OL4-8 EMA3-4	18"-24" (H)	6.05E+00	6.05E+00	5.83E-01	<MDA	1.38E-01	<MDA
SR49-41	OL4-8 EMA3-5	0"-6"	2.00E+01	2.00E+01	1.17E+00	2.44E-01	2.44E-01	1.12E-01
SR49-42	OL4-8 EMA3-5	**0"-6" QC**	2.01E+01	2.01E+01	1.20E+00	<MDA	2.05E-01	<MDA
SR49-43	OL4-8 EMA3-5	6"-12" (H)	1.18E+01	1.18E+01	8.47E-01	<MDA	2.78E-01	<MDA

SR-49 Plum Brook Stream Bed Section E Investigational Sampling (Rt. 250 to Rt. 2)

Sample #	Location	Sample Depth Depth (in)	Cs-137 (pCi/g)	CS-137 w MDA Values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR49-44	OL4-8 EMA3-5	12"-18" (H)	3.91E+00	3.91E+00	4.90E-01	<MDA	1.57E-01	<MDA
SR49-45	OL4-8 EMA3-5	18"-24" (H)	7.16E-01	7.16E-01	1.86E-01	<MDA	1.33E-01	<MDA
SR49-46	OL4-8 EMA3-6	0"-6"	3.72E+00	3.72E+00	4.80E-01	<MDA	1.51E-01	<MDA
SR49-47	OL4-8 EMA3-6	6"-12" (H)	1.81E+00	1.81E+00	3.08E-01	<MDA	1.27E-01	<MDA
SR49-48	OL4-8 EMA3-6	12"-18" (H)	1.04E+00	1.04E+00	2.46E-01	<MDA	1.56E-01	<MDA
SR49-49	OL4-8 EMA3-6	18"-24" (H)	7.31E-01	7.31E-01	1.84E-01	<MDA	1.27E-01	<MDA
SR49-62	OL4-8 EMA4-1	0"-6"	6.64E+00	6.64E+00	5.57E-01	<MDA	1.08E-01	<MDA
SR49-63	OL4-8 EMA4-1	**0"-6" QC**	6.39E+00	6.39E+00	5.18E-01	2.22E-01	2.22E-01	7.48E-02
SR49-64	OL4-8 EMA4-1	6"-12" (H)	6.39E-01	6.39E-01	1.68E-01	<MDA	1.03E-01	<MDA
SR49-65	OL4-8 EMA4-1	12"-18" (H)	<MDA	7.27E-02	<MDA	<MDA	1.10E-01	<MDA
SR49-58	OL4-8 EMA4-2	0"-6"	1.57E+00	1.57E+00	2.79E-01	<MDA	1.20E-01	<MDA
SR49-59	OL4-8 EMA4-2	6"-12" (H)	1.32E+00	1.32E+00	2.55E-01	<MDA	1.33E-01	<MDA
SR49-60	OL4-8 EMA4-2	12"-18" (H)	8.71E-01	8.71E-01	2.08E-01	<MDA	1.36E-01	<MDA
SR49-61	OL4-8 EMA4-2	18"-24" (H)	1.16E+00	1.16E+00	2.41E-01	<MDA	1.36E-01	<MDA
SR49-50	OL4-8 EMA4-3	0"-6"	6.35E+00	6.35E+00	5.42E-01	<MDA	1.10E-01	<MDA
SR49-51	OL4-8 EMA4-3	6"-12" (H)	3.74E+00	3.74E+00	4.04E-01	<MDA	1.08E-01	<MDA
SR49-52	OL4-8 EMA4-3	12"-18" (H)	3.92E+00	3.92E+00	4.63E-01	<MDA	1.42E-01	<MDA
SR49-53	OL4-8 EMA4-3	18"-24" (H)	3.94E+00	3.94E+00	4.16E-01	<MDA	1.04E-01	<MDA
SR49-54	OL4-8 EMA4-4	0"-6"	2.98E+00	2.98E+00	3.62E-01	<MDA	1.07E-01	<MDA
SR49-55	OL4-8 EMA4-4	6"-12" (H)	2.24E+00	2.24E+00	3.00E-01	<MDA	9.93E-02	<MDA
SR49-56	OL4-8 EMA4-4	12"-18" (H)	2.98E+00	2.98E+00	3.99E-01	<MDA	1.41E-01	<MDA
SR49-57	OL4-8 EMA4-4	18"-24" (H)	3.31E+00	3.31E+00	4.09E-01	<MDA	1.32E-01	<MDA
Number			64	65	64	5	65	5
Min			5.72E-01	7.27E-02	1.66E-01	2.22E-01	9.71E-02	7.48E-02
Max			2.01E+01	2.01E+01	1.20E+00	9.91E-01	9.91E-01	1.89E-01
Avg			5.73E+00	5.64E+00	5.03E-01	4.11E-01	1.53E-01	1.18E-01
SD			5.08E+00	5.09E+00	2.55E-01	3.26E-01	1.16E-01	4.25E-02

SR-49 Sample Data Report Note: This sample data report format differs slightly from the standard table format of this Appendix. Sample depth is recorded in a separate column in the sample data report for this SR. To preserve space in this table, the sample weight column is not included

SR-53 Plum Brook Stream Bed – Mouth of Plum Brook at Sandusky Bay (Additional Investigation of Selected Areas in SR 39)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR53-1	SMG 1	0-6	1.62E+00	1.62E+00	3.03E-01	<MDA	1.53E-01	<MDA
SR53-1	SMG 1	6-18	<MDA	1.12E-01	<MDA	<MDA	1.60E-01	<MDA
SR53-1	SMG 1	18-30	<MDA	1.41E-01	<MDA	<MDA	2.12E-01	<MDA
SR53-1	SMG 1	30-42	<MDA	9.22E-02	<MDA	<MDA	1.34E-01	<MDA
SR53-1	SMG 1	42-54	<MDA	1.65E-01	<MDA	<MDA	1.30E-01	<MDA
SR53-1	SMG 1	0-6 QC	1.34E+00	1.34E+00	2.87E-01	<MDA	1.67E-01	<MDA
SR53-1	SMG 1	6-18 QC	<MDA	1.03E-01	<MDA	<MDA	1.55E-01	<MDA
SR53-1	SMG 1	18-30 QC	<MDA	1.18E-01	<MDA	<MDA	1.09E-01	<MDA
SR53-1	SMG 1	30-42 QC	<MDA	1.29E-01	<MDA	<MDA	1.94E-01	<MDA
SR53-1	SMG 1	42-54 QC	<MDA	1.73E-01	<MDA	<MDA	1.52E-01	<MDA
SR53-2	SMG 2	0-6	3.04E+00	3.04E+00	4.43E-01	<MDA	1.71E-01	<MDA
SR53-2	SMG 2	6-18	8.88E+00	8.88E+00	7.36E-01	<MDA	1.39E-01	<MDA
SR53-2	SMG 2	18-30	1.83E+00	1.83E+00	3.12E-01	<MDA	1.42E-01	<MDA
SR53-2	SMG 2	30-42	5.78E-01	5.78E-01	2.09E-01	<MDA	2.07E-01	<MDA
SR53-2	SMG 2	42-54	<MDA	6.89E-02	<MDA	<MDA	1.04E-01	<MDA
SR53-2	SMG 2	0-6 QC	2.81E+00	2.81E+00	4.28E-01	6.28E-01	6.28E-01	1.70E-01
SR53-2	SMG 2	6-18 QC	7.92E+00	7.92E+00	6.66E-01	<MDA	1.28E-01	<MDA
SR53-2	SMG 2	18-30 QC	2.24E+00	2.24E+00	3.49E-01	<MDA	1.45E-01	<MDA
SR53-2	SMG 2	30-42 QC	4.78E-01	4.78E-01	1.78E-01	<MDA	1.83E-01	<MDA
SR53-2	SMG 2	42-54 QC	<MDA	1.41E-01	<MDA	<MDA	2.12E-01	<MDA
SR53-3	SMG 3	0-6	1.37E+01	1.37E+01	1.06E+00	<MDA	1.90E-01	<MDA
SR53-3	SMG 3	6-18	2.49E+00	2.49E+00	3.63E-01	<MDA	1.62E-01	<MDA
SR53-3	SMG 3	18-30	1.15E+00	1.15E+00	2.52E-01	<MDA	1.93E-01	<MDA
SR53-3	SMG 3	30-42	<MDA	1.30E-01	<MDA	<MDA	1.18E-01	<MDA
SR53-3	SMG 3	42-54	<MDA	3.84E-01	<MDA	<MDA	2.47E-01	<MDA
SR53-3	SMG 3	0-6 QC	1.45E+01	1.45E+01	1.07E+00	<MDA	2.10E-01	<MDA
SR53-3	SMG 3	6-18 QC	2.55E+00	2.55E+00	3.88E-01	<MDA	1.41E-01	<MDA
SR53-3	SMG 3	18-30 QC	8.22E-01	8.22E-01	3.03E-01	<MDA	2.14E-01	<MDA
SR53-3	SMG 3	30-42 QC	<MDA	2.27E-01	<MDA	<MDA	1.72E-01	<MDA
SR53-3	SMG 3	42-54 QC	<MDA	1.54E-01	<MDA	<MDA	2.00E-01	<MDA
SR53-4	SMG 4	0-6	1.14E+00	1.14E+00	2.40E-01	<MDA	1.36E-01	<MDA
SR53-4	SMG 4	6-18	2.89E+00	2.89E+00	3.80E-01	<MDA	1.30E-01	<MDA
SR53-4	SMG 4	18-30	<MDA	1.48E-01	<MDA	<MDA	1.77E-01	<MDA
SR53-4	SMG 4	30-42	<MDA	1.50E-01	<MDA	<MDA	2.27E-01	<MDA
SR53-4	SMG 4	42-54	<MDA	1.09E-01	<MDA	<MDA	1.65E-01	<MDA

SR-53 Plum Brook Stream Bed – Mouth of Plum Brook at Sandusky Bay (Additional Investigation of Selected Areas in SR 39)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR53-5	SMG 5	0-6	6.98E-01	6.98E-01	2.09E-01	<MDA	1.41E-01	<MDA
SR53-5	SMG 5	6-18	5.82E+00	5.82E+00	5.66E-01	<MDA	1.30E-01	<MDA
SR53-5	SMG 5	18-30	1.10E+00	1.10E+00	2.87E-01	<MDA	1.97E-01	<MDA
SR53-5	SMG 5	30-42	<MDA	1.19E-01	<MDA	<MDA	1.80E-01	<MDA
SR53-5	SMG 5	42-54	<MDA	1.26E-01	<MDA	<MDA	1.83E-01	<MDA
SR53-6	SMG 6	0-6	1.15E+01	1.15E+01	8.14E-01	<MDA	1.25E-01	<MDA
SR53-6	SMG 6	6-18	2.64E+00	2.64E+00	3.71E-01	<MDA	1.63E-01	<MDA
SR53-6	SMG 6	18-30	<MDA	1.38E-01	<MDA	<MDA	1.70E-01	<MDA
SR53-6	SMG 6	30-42	2.38E-01	2.38E-01	9.74E-01	<MDA	1.10E-01	<MDA
SR53-6	SMG 6	42-54	<MDA	1.65E-01	<MDA	<MDA	9.53E-02	<MDA
SR53-7	SMG 7	0-6	1.83E+00	1.83E+00	3.36E-01	<MDA	1.61E-01	<MDA
SR53-7	SMG 7	6-18	3.40E+00	3.40E+00	4.07E-01	<MDA	1.26E-01	<MDA
SR53-7	SMG 7	18-30	1.04E+00	1.04E+00	2.38E-01	<MDA	1.44E-01	<MDA
SR53-7	SMG 7	30-42	3.55E-01	3.55E-01	1.72E-01	<MDA	2.32E-01	<MDA
SR53-7	SMG 7	42-54	<MDA	1.38E-01	<MDA	<MDA	1.37E-01	<MDA
SR53-8	SMG 8	0-6	6.04E+00	6.04E+00	6.27E-01	<MDA	1.59E-01	<MDA
SR53-8	SMG 8	6-18	1.62E+00	1.62E+00	3.02E-01	<MDA	1.37E-01	<MDA
SR53-8	SMG 8	18-30	6.24E-01	6.24E-01	2.76E-01	<MDA	2.03E-01	<MDA
SR53-8	SMG 8	30-42	<MDA	2.04E-01	<MDA	<MDA	2.17E-01	<MDA
SR53-8	SMG 8	42-54	1.64E-01	1.64E-01	6.87E-02	<MDA	1.00E-01	<MDA
SR53-9	SMG 9	0-6	4.23E+00	4.23E+00	5.02E-01	<MDA	1.33E-01	<MDA
SR53-9	SMG 9	6-18	1.32E+00	1.32E+00	2.81E-01	<MDA	1.56E-01	<MDA
SR53-9	SMG 9	18-30	<MDA	1.38E-01	<MDA	<MDA	2.01E-01	<MDA
SR53-9	SMG 9	30-42	<MDA	1.16E-01	<MDA	<MDA	1.75E-01	<MDA
SR53-9	SMG 9	42-54	<MDA	1.81E-01	<MDA	<MDA	2.65E-01	<MDA
SR53-10	SMG 10	0-6	2.96E+00	2.96E+00	3.87E-01	<MDA	1.34E-01	<MDA
SR53-10	SMG 10	6-18	3.07E+00	3.07E+00	3.94E-01	<MDA	1.61E-01	<MDA
SR53-10	SMG 10	18-30	3.55E-01	3.55E-01	1.52E-01	<MDA	1.79E-01	<MDA
SR53-10	SMG 10	30-42	<MDA	1.41E-01	<MDA	<MDA	2.13E-01	<MDA
SR53-10	SMG 10	42-54	<MDA	9.90E-02	<MDA	<MDA	1.44E-01	<MDA
SR53-11	SMG 11	0-6	1.96E+00	1.96E+00	3.24E-01	<MDA	1.32E-01	<MDA
SR53-11	SMG 11	6-18	4.50E-01	4.50E-01	1.65E-01	<MDA	1.61E-01	<MDA
SR53-11	SMG 11	18-30	<MDA	1.29E-01	<MDA	<MDA	1.94E-01	<MDA
SR53-11	SMG 11	30-42	<MDA	1.23E-01	<MDA	<MDA	1.85E-01	<MDA
SR53-11	SMG 11	42-54	<MDA	1.28E-01	<MDA	<MDA	1.86E-01	<MDA
SR53-12	SMG 12	0-6	1.50E+00	1.50E+00	2.50E-01	<MDA	1.12E-01	<MDA
SR53-12	SMG 12	6-18	3.91E-01	3.91E-01	1.78E-01	<MDA	1.30E-01	<MDA
SR53-12	SMG 12	18-30	<MDA	9.84E-02	<MDA	<MDA	1.48E-01	<MDA
SR53-12	SMG 12	30-42	<MDA	9.81E-02	<MDA	<MDA	1.48E-01	<MDA
SR53-12	SMG 12	42-54	<MDA	8.43E-02	<MDA	<MDA	1.23E-01	<MDA
SR53-13	SMG 13	0-6	1.30E+00	1.30E+00	2.65E-01	<MDA	1.41E-01	<MDA
SR53-13	SMG 13	6-18	<MDA	9.68E-02	<MDA	<MDA	1.46E-01	<MDA
SR53-13	SMG 13	18-30	<MDA	7.13E-02	<MDA	<MDA	1.04E-01	<MDA

SR-53 Plum Brook Stream Bed – Mouth of Plum Brook at Sandusky Bay (Additional Investigation of Selected Areas in SR 39)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR53-13	SMG 13	30-42	<MDA	7.47E-02	<MDA	<MDA	1.13E-01	<MDA
SR53-13	SMG 13	42-54	<MDA	1.08E-01	<MDA	<MDA	1.21E-01	<MDA
SR53-14	SMG 14	0-6	7.13E+00	7.13E+00	6.22E-01	<MDA	1.30E-01	<MDA
SR53-14	SMG 14	6-18	1.33E+00	1.33E+00	2.66E-01	<MDA	1.45E-01	<MDA
SR53-14	SMG 14	18-30	<MDA	8.81E-02	<MDA	<MDA	1.33E-01	<MDA
SR53-14	SMG 14	30-42	<MDA	1.58E-01	<MDA	<MDA	1.19E-01	<MDA
SR53-14	SMG 14	42-54	2.77E+00	2.77E+00	3.87E-01	<MDA	1.38E-01	<MDA
SR53-16	SMG 15	0-6	1.65E+01	1.65E+01	1.07E+00	<MDA	1.45E-01	<MDA
SR53-16	SMG 15	6-18	3.64E+00	3.64E+00	4.70E-01	<MDA	1.53E-01	<MDA
SR53-16	SMG 15	18-30	1.93E+00	1.93E+00	3.37E-01	<MDA	1.38E-01	<MDA
SR53-16	SMG 15	30-42	<MDA	8.32E-02	<MDA	<MDA	1.25E-01	<MDA
SR53-16	SMG 15	42-54	<MDA	1.18E-01	<MDA	<MDA	1.78E-01	<MDA
SR53-17	SMG 16	0-6	3.33E-01	3.33E-01	1.42E-01	<MDA	1.68E-01	<MDA
SR53-17	SMG 16	6-18	<MDA	1.29E-01	<MDA	<MDA	1.89E-01	<MDA
SR53-17	SMG 16	18-30	<MDA	9.88E-02	<MDA	<MDA	1.16E-01	<MDA
SR53-17	SMG 16	30-42	<MDA	1.78E-01	<MDA	<MDA	1.78E-01	<MDA
SR53-17	SMG 16	42-54	<MDA	1.39E-01	<MDA	<MDA	1.56E-01	<MDA
SR53-18	SMG 17	0-6	6.90E-01	6.90E-01	2.05E-01	<MDA	1.67E-01	<MDA
SR53-18	SMG 17	6-18	5.69E+00	5.69E+00	6.44E-01	<MDA	1.80E-01	<MDA
SR53-18	SMG 17	18-34.5	6.75E+00	6.75E+00	6.47E-01	<MDA	1.53E-01	<MDA
SR53-19	SMG 18	0-6	6.87E+00	6.87E+00	6.57E-01	<MDA	1.51E-01	<MDA
SR53-19	SMG 18	6-18	4.76E+00	4.76E+00	5.55E-01	<MDA	1.52E-01	<MDA
SR53-19	SMG 18	18-30	2.67E+00	2.67E+00	4.90E-01	<MDA	2.43E-01	<MDA
SR53-19	SMG 18	30-42	<MDA	1.04E-01	<MDA	<MDA	1.57E-01	<MDA
SR53-19	SMG 18	42-55	<MDA	1.27E-01	<MDA	<MDA	1.85E-01	<MDA
SR53-20	SMG 19	0-6	2.60E-01	2.60E-01	1.26E-01	<MDA	1.64E-01	<MDA
SR53-20	SMG 19	6-18	<MDA	1.19E-01	<MDA	<MDA	1.79E-01	<MDA
SR53-20	SMG 19	18-30	<MDA	1.06E-01	<MDA	<MDA	1.24E-01	<MDA
SR53-20	SMG 19	30-42	<MDA	1.39E-01	<MDA	<MDA	1.91E-01	<MDA
SR53-20	SMG 19	42-54	<MDA	1.50E-01	<MDA	<MDA	2.27E-01	<MDA
SR53-21	SMG 20	0-6	9.24E-01	9.24E-01	2.27E-01	<MDA	1.53E-01	<MDA
SR53-21	SMG 20	6-18	4.62E+00	4.62E+00	5.60E-01	<MDA	1.70E-01	<MDA
SR53-21	SMG 20	18-30	9.44E+00	9.44E+00	7.81E-01	<MDA	1.46E-01	<MDA
SR53-21	SMG 20	30-45	2.20E+00	2.20E+00	3.78E-01	<MDA	1.50E-01	<MDA
SR53-22	SMG 21	0-6	5.00E+00	5.00E+00	5.42E-01	<MDA	1.49E-01	<MDA
SR53-22	SMG 21	6-18	1.15E+01	1.15E+01	9.09E-01	<MDA	2.66E-01	<MDA
SR53-22	SMG 21	18-30	2.61E+00	2.61E+00	3.91E-01	<MDA	1.57E-01	<MDA
SR53-22	SMG 21	30-42	2.02E+00	2.02E+00	3.39E-01	<MDA	1.53E-01	<MDA
SR53-22	SMG 21	42-57.75	1.53E+00	1.53E+00	3.01E-01	<MDA	1.55E-01	<MDA
SR53-23	SMG 22	0-6	3.11E-01	3.11E-01	1.41E-01	<MDA	1.35E-01	<MDA
SR53-23	SMG 22	6-18	<MDA	2.12E-01	<MDA	<MDA	1.83E-01	<MDA
SR53-23	SMG 22	18-30	<MDA	1.09E-01	<MDA	<MDA	1.64E-01	<MDA
SR53-23	SMG 22	30-42	<MDA	1.21E-01	<MDA	<MDA	1.83E-01	<MDA

SR-53 Plum Brook Stream Bed – Mouth of Plum Brook at Sandusky Bay (Additional Investigation of Selected Areas in SR 39)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR53-23	SMG 22	42-54	<MDA	1.45E-01	<MDA	<MDA	2.11E-01	<MDA
SR53-24	SMG 23	0-6	1.39E+00	1.39E+00	2.75E-01	<MDA	1.47E-01	<MDA
SR53-24	SMG 23	6-18	5.45E+00	5.45E+00	6.12E-01	<MDA	1.69E-01	<MDA
SR53-24	SMG 23	18-30	1.68E+01	1.68E+01	1.10E+00	<MDA	1.54E-01	<MDA
SR53-24	SMG 23	30-42	2.44E+00	2.44E+00	3.78E-01	<MDA	2.54E-01	<MDA
SR53-24	SMG 23	42-57.5	1.84E+00	1.84E+00	3.29E-01	<MDA	1.53E-01	<MDA
SR53-25	SMG 24	0-6	2.90E+00	2.90E+00	4.06E-01	<MDA	1.38E-01	<MDA
SR53-25	SMG 24	6-18	1.05E+01	1.05E+01	8.81E-01	<MDA	1.66E-01	<MDA
SR53-25	SMG 24	18-35	2.85E+00	2.85E+00	4.24E-01	<MDA	1.54E-01	<MDA
SR53-26	SMG 25	0-6	1.83E+00	1.83E+00	3.31E-01	<MDA	1.40E-01	<MDA
SR53-26	SMG 25	6-18	6.94E+00	6.94E+00	7.29E-01	<MDA	1.74E-01	<MDA
SR53-26	SMG 25	18-30	3.05E-01	3.05E-01	1.44E-01	<MDA	1.88E-01	<MDA
SR53-26	SMG 25	30-41	<MDA	9.87E-02	<MDA	<MDA	1.49E-01	<MDA
SR53-27	SMG 26	0-6	4.11E-01	4.11E-01	1.51E-01	<MDA	1.52E-01	<MDA
SR53-27	SMG 26	6-18	3.17E+00	3.17E+00	4.55E-01	<MDA	1.67E-01	<MDA
SR53-27	SMG 26	18-30	8.80E+00	8.80E+00	7.93E-01	<MDA	1.77E-01	<MDA
SR53-27	SMG 26	30-42	9.18E+00	9.18E+00	7.84E-01	<MDA	1.60E-01	<MDA
SR53-27	SMG 26	42-49.5	1.61E+00	1.61E+00	3.13E-01	<MDA	1.66E-01	<MDA
SR53-28	SMG 27	0-6	1.02E+00	1.02E+00	2.57E-01	<MDA	1.77E-01	<MDA
SR53-28	SMG 27	6-18	6.49E+00	6.49E+00	6.87E-01	<MDA	1.72E-01	<MDA
SR53-28	SMG 27	18-30	2.40E+00	2.40E+00	3.66E-01	<MDA	1.49E-01	<MDA
SR53-28	SMG 27	30-42	1.73E+00	1.73E+00	3.39E-01	<MDA	1.61E-01	<MDA
SR53-28	SMG 27	42-49	1.04E+00	1.04E+00	2.93E-01	<MDA	1.80E-01	<MDA
SR53-29	SMG 28	0-6	4.74E-01	4.74E-01	1.97E-01	<MDA	1.59E-01	<MDA
SR53-29	SMG 28	6-20	1.54E+00	1.54E+00	3.00E-01	<MDA	1.58E-01	<MDA
SR53-30	SMG 29	0-6	5.00E-01	5.00E-01	1.48E-01	<MDA	1.21E-01	<MDA
SR53-30	SMG 29	6-18	<MDA	1.29E-01	<MDA	<MDA	1.88E-01	<MDA
SR53-30	SMG 29	18-30	<MDA	1.29E-01	<MDA	<MDA	1.95E-01	<MDA
SR53-30	SMG 29	30-42	<MDA	9.69E-02	<MDA	<MDA	1.46E-01	<MDA
SR53-30	SMG 29	42-56.25	<MDA	9.11E-02	<MDA	<MDA	1.33E-01	<MDA
SR53-31	SMG 30	0-6	4.51E+00	4.51E+00	4.95E-01	<MDA	1.32E-01	<MDA
SR53-31	SMG 30	6-18	1.86E+00	1.86E+00	3.21E-01	<MDA	1.43E-01	<MDA
SR53-31	SMG 30	18-30	<MDA	1.22E-01	<MDA	<MDA	1.83E-01	<MDA
SR53-31	SMG 30	30-42	<MDA	1.40E-01	<MDA	<MDA	1.67E-01	<MDA
SR53-31	SMG 30	42-54	<MDA	8.65E-02	<MDA	<MDA	1.26E-01	<MDA
SR53-32	SMG 31	0-6	4.45E-01	4.45E-01	1.68E-01	<MDA	1.39E-01	<MDA
SR53-32	SMG 31	6-18	6.89E-01	6.89E-01	2.34E-01	<MDA	2.11E-01	<MDA
SR53-32	SMG 31	18-30	<MDA	1.25E-01	<MDA	<MDA	1.88E-01	<MDA
SR53-32	SMG 31	30-42	<MDA	1.72E-01	<MDA	<MDA	2.50E-01	<MDA
SR53-32	SMG 31	42-54	<MDA	7.31E-02	<MDA	<MDA	1.10E-01	<MDA
SR53-33	SMG 32	0-6	1.44E+00	1.44E+00	2.64E-01	<MDA	1.26E-01	<MDA
SR53-33	SMG 32	6-18	<MDA	7.81E-02	<MDA	<MDA	1.18E-01	<MDA
SR53-33	SMG 32	18-30	<MDA	8.37E-02	<MDA	<MDA	1.22E-01	<MDA

SR-53 Plum Brook Stream Bed – Mouth of Plum Brook at Sandusky Bay (Additional Investigation of Selected Areas in SR 39)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR53-33	SMG 32	30-43.5	<MDA	8.06E-02	<MDA	<MDA	1.21E-01	<MDA
SR53-34	SMG 33	0-6	5.81E-01	5.81E-01	1.67E-01	<MDA	1.32E-01	<MDA
SR53-34	SMG 33	6-18	6.67E-01	6.67E-01	1.88E-01	<MDA	1.41E-01	<MDA
SR53-34	SMG 33	18-30	<MDA	1.08E-01	<MDA	<MDA	1.63E-01	<MDA
SR53-34	SMG 33	30-42.75	<MDA	1.24E-01	<MDA	<MDA	1.88E-01	<MDA
SR53-35	SMG 34	0-6	4.96E-01	4.96E-01	1.60E-01	<MDA	1.37E-01	<MDA
SR53-35	SMG 34	6-18	8.29E-01	8.29E-01	2.11E-01	<MDA	1.31E-01	<MDA
SR53-35	SMG 34	18-30	<MDA	1.21E-01	<MDA	<MDA	1.76E-01	<MDA
SR53-35	SMG 34	30-42	<MDA	1.24E-01	<MDA	<MDA	1.87E-01	<MDA
SR53-35	SMG 34	42-54	<MDA	1.14E-01	<MDA	<MDA	1.66E-01	<MDA
SR53-36	SMG 35	0-6	6.54E-01	6.54E-01	2.01E-01	<MDA	1.63E-01	<MDA
SR53-36	SMG 35	6-18	5.69E-01	5.69E-01	1.59E-01	<MDA	1.22E-01	<MDA
SR53-36	SMG 35	18-30	6.21E+00	6.21E+00	6.11E-01	<MDA	1.44E-01	<MDA
SR53-36	SMG 35	30-42	1.64E+00	1.64E+00	3.37E-01	<MDA	1.56E-01	<MDA
SR53-36	SMG 35	42-51.5	<MDA	6.47E-02	<MDA	<MDA	9.43E-02	<MDA
SR53-37	SMG 36	0-6	5.09E-01	5.09E-01	1.91E-01	<MDA	1.32E-01	<MDA
SR53-37	SMG 36	6-18	8.45E-01	8.45E-01	2.26E-01	<MDA	1.40E-01	<MDA
SR53-37	SMG 36	18-30	<MDA	1.09E-01	<MDA	<MDA	1.59E-01	<MDA
SR53-37	SMG 36	30-42	<MDA	1.37E-01	<MDA	<MDA	2.06E-01	<MDA
SR53-37	SMG 36	42-57	<MDA	1.72E-01	<MDA	<MDA	1.53E-01	<MDA
SR53-38	SMG 37	0-6	5.23E-01	5.23E-01	1.80E-01	<MDA	1.71E-01	<MDA
SR53-38	SMG 37	6-18	3.08E+00	3.08E+00	4.25E-01	<MDA	1.38E-01	<MDA
SR53-38	SMG 37	18-30	1.26E+00	1.26E+00	3.37E-01	<MDA	2.02E-01	<MDA
SR53-38	SMG 37	30-42	<MDA	1.75E-01	<MDA	<MDA	2.55E-01	<MDA
SR53-38	SMG 37	42-57	<MDA	1.50E-01	<MDA	<MDA	2.27E-01	<MDA
SR53-39	SMG 38	0-6	4.12E-01	4.12E-01	1.49E-01	<MDA	1.48E-01	<MDA
SR53-39	SMG 38	6-18	1.43E+00	1.43E+00	2.90E-01	<MDA	1.54E-01	<MDA
SR53-39	SMG 38	18-30	6.57E+00	6.57E+00	6.28E-01	<MDA	2.16E-01	<MDA
SR53-39	SMG 38	30-42	<MDA	1.69E-01	<MDA	<MDA	2.46E-01	<MDA
SR53-39	SMG 38	42-47	<MDA	1.44E-01	<MDA	<MDA	1.79E-01	<MDA
SR53-40	SMG 39	0-6	4.58E-01	4.58E-01	1.56E-01	<MDA	1.45E-01	<MDA
SR53-40	SMG 39	6-18	1.25E+00	1.25E+00	2.78E-01	<MDA	1.62E-01	<MDA
SR53-40	SMG 39	18-30	<MDA	2.02E-01	<MDA	<MDA	1.93E-01	<MDA
SR53-40	SMG 39	30-42	<MDA	1.88E-01	<MDA	<MDA	2.73E-01	<MDA
SR53-40	SMG 39	42-50	<MDA	1.92E-01	<MDA	<MDA	2.80E-01	<MDA
SR53-41	SMG 40	0-6	2.80E-01	2.80E-01	1.15E-01	<MDA	1.30E-01	<MDA
SR53-41	SMG 40	6-18	9.55E-01	9.55E-01	2.48E-01	<MDA	1.71E-01	<MDA
SR53-41	SMG 40	18-30	<MDA	1.41E-01	<MDA	<MDA	2.13E-01	<MDA
SR53-41	SMG 40	30-42	<MDA	1.80E-01	<MDA	<MDA	2.72E-01	<MDA
SR53-41	SMG 40	42-49	<MDA	2.22E-01	<MDA	<MDA	3.24E-01	<MDA
SR53-42	SMG 41	0-6	5.83E-01	5.83E-01	1.92E-01	<MDA	1.75E-01	<MDA
SR53-42	SMG 41	6-18	2.61E-01	2.61E-01	1.20E-01	<MDA	1.48E-01	<MDA
SR53-42	SMG 41	18-30	<MDA	1.53E-01	<MDA	<MDA	2.31E-01	<MDA

SR-53 Plum Brook Stream Bed – Mouth of Plum Brook at Sandusky Bay (Additional Investigation of Selected Areas in SR 39)

Sample #	Location	Sample Depth (in)	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR53-42	SMG 41	30-42	<MDA	1.81E-01	<MDA	<MDA	2.74E-01	<MDA
SR53-42	SMG 41	42-57	<MDA	1.21E-01	<MDA	<MDA	1.77E-01	<MDA
SR53-43	SMG 42	0-6	4.97E-01	4.97E-01	1.67E-01	<MDA	1.54E-01	<MDA
SR53-43	SMG 42	6-18	9.06E-01	9.06E-01	2.23E-01	<MDA	1.46E-01	<MDA
SR53-43	SMG 42	18-30	<MDA	8.89E-02	<MDA	<MDA	1.34E-01	<MDA
SR53-43	SMG 42	30-42	<MDA	9.98E-02	<MDA	<MDA	1.51E-01	<MDA
SR53-43	SMG 42	42-54	<MDA	1.93E-01	<MDA	<MDA	2.82E-01	<MDA
SR53-43	SMG 42	0-6 QC	3.95E-01	3.95E-01	1.40E-01	<MDA	1.37E-01	<MDA
SR53-43	SMG 42	6-18 QC	6.88E-01	6.88E-01	2.11E-01	<MDA	1.47E-01	<MDA
SR53-43	SMG 42	18-30 QC	<MDA	8.69E-02	<MDA	<MDA	1.31E-01	<MDA
SR53-43	SMG 42	30-42 QC	<MDA	1.19E-01	<MDA	<MDA	1.80E-01	<MDA
SR53-43	SMG 42	42-54 QC	<MDA	1.45E-01	<MDA	<MDA	1.69E-01	<MDA
Number			121	219	121	1	219	1
Min			1.64E-01	6.47E-02	6.87E-02	6.28E-01	9.43E-02	1.70E-01
Max			1.68E+01	1.68E+01	1.10E+00	6.28E-01	6.28E-01	1.70E-01
Avg			2.97E+00	1.70E+00	3.82E-01	6.28E-01	1.68E-01	1.70E-01
SD			3.49E+00	2.95E+00	2.34E-01	N/ A	4.99E-02	N/ A

SR-53 Sample Data Report Note: This sample data report format differs slightly from the standard table format of this Appendix. Sample depth is recorded in a separate column in the sample data report for this SR. To preserve space in this table, the sample weight column is not included

SR-54 Plum Brook Stream Bed – Plum Brook Flood Plain (Additional Investigation Perkins Ave to Rt. 6)

Sample #	Location	Depth	Cs-137 pCi/g	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 pCi/g	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR54-1	FPG 1	0-6	1.72E+00	1.72E+00	3.18E-01	<MDA	1.37E-01	<MDA
SR54-1	FPG 1	6-18	9.44E-01	9.44E-01	2.29E-01	<MDA	1.47E-01	<MDA
SR54-1	FPG 1	18-30	<MDA	9.93E-02	<MDA	<MDA	1.50E-01	<MDA
SR54-1	FPG 1	30-42	<MDA	1.28E-01	<MDA	<MDA	1.86E-01	<MDA
SR54-1	FPG 1	42-54	<MDA	1.06E-01	<MDA	<MDA	1.59E-01	<MDA
SR54-1	FPG 1	0-6 QC	1.31E+00	1.31E+00	3.10E-01	<MDA	1.35E-01	<MDA
SR54-1	FPG 1	6-18 QC	8.32E-01	8.32E-01	2.50E-01	<MDA	1.47E-01	<MDA
SR54-1	FPG 1	18-30 QC	<MDA	9.08E-02	<MDA	<MDA	1.37E-01	<MDA
SR54-1	FPG 1	30-42 QC	<MDA	1.13E-01	<MDA	<MDA	1.65E-01	<MDA
SR54-1	FPG 1	42-54 QC	<MDA	1.05E-01	<MDA	<MDA	1.58E-01	<MDA
SR54-2	FPG 2	0-6	4.83E+00	4.83E+00	5.34E-01	<MDA	1.53E-01	<MDA
SR54-2	FPG 2	6-18	8.37E-01	8.37E-01	2.16E-01	<MDA	1.47E-01	<MDA
SR54-2	FPG 2	18-30.5	<MDA	1.09E-01	<MDA	<MDA	8.16E-02	<MDA
SR54-3	FPG 3	0-6	4.28E+00	4.28E+00	5.38E-01	<MDA	1.70E-01	<MDA
SR54-3	FPG 3	6-18	6.32E-01	6.32E-01	1.84E-01	<MDA	1.41E-01	<MDA
SR54-3	FPG 3	18-30	<MDA	9.13E-02	<MDA	<MDA	1.38E-01	<MDA
SR54-3	FPG 3	30-42	<MDA	7.24E-02	<MDA	<MDA	1.09E-01	<MDA
SR54-3	FPG 3	42-50.25	<MDA	7.46E-02	<MDA	<MDA	1.09E-01	<MDA
SR54-4	FPG 4	0-6	3.72E-01	3.72E-01	1.26E-01	<MDA	1.18E-01	<MDA
SR54-4	FPG 4	6-18	5.06E-01	5.06E-01	1.65E-01	<MDA	1.22E-01	<MDA
SR54-4	FPG 4	18-30	9.09E-01	9.09E-01	2.30E-01	<MDA	1.40E-01	<MDA
SR54-4	FPG 4	30-42	<MDA	8.77E-02	<MDA	<MDA	1.28E-01	<MDA
SR54-4	FPG 4	42-59.5	<MDA	7.65E-02	<MDA	<MDA	1.15E-01	<MDA
SR54-5	FPG 5	0-6	1.99E+00	1.99E+00	3.14E-01	<MDA	1.23E-01	<MDA
SR54-5	FPG 5	6-18	9.66E-01	9.66E-01	2.46E-01	<MDA	1.39E-01	<MDA
SR54-5	FPG 5	18-30	<MDA	1.04E-01	<MDA	<MDA	1.57E-01	<MDA
SR54-5	FPG 5	30-42	<MDA	1.08E-01	<MDA	<MDA	1.12E-01	<MDA
SR54-5	FPG 5	42-57.5	<MDA	1.01E-01	<MDA	<MDA	1.52E-01	<MDA
SR54-6	FPG 6	0-6	4.16E+00	4.16E+00	4.59E-01	<MDA	1.28E-01	<MDA
SR54-6	FPG 6	6-18	1.08E+00	1.08E+00	2.59E-01	<MDA	1.69E-01	<MDA
SR54-6	FPG 6	18-35.75	<MDA	1.11E-01	<MDA	<MDA	1.61E-01	<MDA
SR54-7	FPG 7	0-6	4.44E+00	4.44E+00	4.73E-01	<MDA	1.21E-01	<MDA
SR54-7	FPG 7	6-18	8.99E-01	8.99E-01	2.18E-01	<MDA	1.40E-01	<MDA
SR54-7	FPG 7	18-30	<MDA	1.13E-01	<MDA	<MDA	1.69E-01	<MDA
SR54-7	FPG 7	30-42	<MDA	1.01E-01	<MDA	<MDA	1.53E-01	<MDA
SR54-7	FPG 7	42-53.5	<MDA	1.00E-01	<MDA	<MDA	1.46E-01	<MDA
SR54-8	FPG 8	0-6	3.59E+00	3.59E+00	4.91E-01	<MDA	1.63E-01	<MDA
SR54-8	FPG 8	6-18	8.93E-01	8.93E-01	2.15E-01	<MDA	1.42E-01	<MDA
SR54-8	FPG 8	18-30	<MDA	1.13E-01	<MDA	<MDA	1.64E-01	<MDA
SR54-8	FPG 8	30-42	<MDA	1.04E-01	<MDA	<MDA	1.56E-01	<MDA
SR54-8	FPG 8	42-54.75	<MDA	9.40E-02	<MDA	<MDA	1.42E-01	<MDA

SR-54 Plum Brook Stream Bed – Plum Brook Flood Plain (Additional Investigation Perkins Ave to Rt. 6)

Sample #	Location	Depth	Cs-137 pCi/g	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 pCi/g	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR54-9	FPG 9	0-6	2.95E+00	2.95E+00	4.66E-01	<MDA	1.82E-01	<MDA
SR54-9	FPG 9	6-18	1.47E+00	1.47E+00	3.48E-01	<MDA	1.86E-01	<MDA
SR54-9	FPG 9	18-28.25	<MDA	1.26E-01	<MDA	<MDA	1.90E-01	<MDA
SR54-10	FPG 10	0-6	1.61E+00	1.61E+00	2.80E-01	<MDA	1.31E-01	<MDA
SR54-10	FPG 10	6-16.5	2.35E-01	2.35E-01	8.21E-02	<MDA	7.64E-01	<MDA
SR54-10	FPG 10	35-46	<MDA	1.29E-01	<MDA	<MDA	1.56E-01	<MDA
SR54-11	FPG 11	0-6	3.97E+00	3.97E+00	5.04E-01	<MDA	1.60E-01	<MDA
SR54-11	FPG 11	6-18	3.58E-01	3.58E-01	1.67E-01	<MDA	1.35E-01	<MDA
SR54-11	FPG 11	18-30	<MDA	1.54E-01	<MDA	<MDA	1.56E-01	<MDA
SR54-11	FPG 11	30-42	<MDA	9.53E-02	<MDA	<MDA	1.39E-01	<MDA
SR54-11	FPG 11	42-52.5	<MDA	8.05E-02	<MDA	<MDA	1.21E-01	<MDA
SR54-12	FPG 12	0-6	<MDA	2.87E-01	<MDA	<MDA	1.30E-01	<MDA
SR54-12	FPG 12	6-18	3.07E-01	3.07E-01	1.28E-01	<MDA	1.43E-01	<MDA
SR54-12	FPG 12	18-30	<MDA	1.03E-01	<MDA	<MDA	1.55E-01	<MDA
SR54-12	FPG 12	30-42	<MDA	1.15E-01	<MDA	<MDA	1.73E-01	<MDA
SR54-12	FPG 12	42-54	<MDA	1.02E-01	<MDA	<MDA	1.48E-01	<MDA
SR54-13	FPG 13	0-6	5.20E+00	5.20E+00	5.35E-01	<MDA	1.38E-01	<MDA
SR54-13	FPG 13	6-18	4.13E+00	4.13E+00	4.77E-01	<MDA	1.29E-01	<MDA
SR54-13	FPG 13	18-30	3.16E-01	3.16E-01	1.35E-01	<MDA	1.59E-01	<MDA
SR54-13	FPG 13	30-42	<MDA	1.05E-01	<MDA	<MDA	1.58E-01	<MDA
SR54-13	FPG 13	42-59.25	<MDA	1.18E-01	<MDA	<MDA	1.33E-01	<MDA
SR54-14	FPG 14	0-6	4.33E+00	4.33E+00	4.94E-01	<MDA	1.44E-01	<MDA
SR54-14	FPG 14	6-18	1.20E+00	1.20E+00	2.64E-01	<MDA	1.53E-01	<MDA
SR54-14	FPG 14	18-30	<MDA	1.25E-01	<MDA	<MDA	1.72E-01	<MDA
SR54-14	FPG 14	30-42	<MDA	8.58E-02	<MDA	<MDA	1.29E-01	<MDA
SR54-14	FPG 14	42-58.5	<MDA	8.43E-02	<MDA	<MDA	1.23E-01	<MDA
SR54-15	FPG 15	0-6	8.84E-01	8.84E-01	2.45E-01	<MDA	1.79E-01	<MDA
SR54-15	FPG 15	6-18	<MDA	1.28E-01	<MDA	<MDA	1.68E-01	<MDA
SR54-15	FPG 15	18-30	<MDA	1.55E-01	<MDA	<MDA	2.26E-01	<MDA
SR54-15	FPG 15	30-42	<MDA	1.97E-01	<MDA	<MDA	2.96E-01	<MDA
SR54-15	FPG 15	42-51.5	<MDA	1.05E-01	<MDA	<MDA	1.53E-01	<MDA
SR54-16	FPG 16	0-6	6.95E-01	6.95E-01	1.73E-01	<MDA	9.70E-02	<MDA
SR54-16	FPG 16	6-18	2.98E-01	2.98E-01	1.37E-01	<MDA	1.83E-01	<MDA
SR54-16	FPG 16	18-30	<MDA	1.69E-01	<MDA	<MDA	2.55E-01	<MDA
SR54-16	FPG 16	30-43	<MDA	1.02E-01	<MDA	<MDA	1.54E-01	<MDA
SR54-17	FPG 17	0-6	6.40E-01	6.40E-01	2.06E-01	<MDA	1.82E-01	<MDA
SR54-17	FPG 17	6-18	<MDA	1.10E-01	<MDA	<MDA	1.60E-01	<MDA
SR54-17	FPG 17	18-30	<MDA	1.21E-01	<MDA	<MDA	1.81E-01	<MDA
SR54-17	FPG 17	30-41	<MDA	7.34E-02	<MDA	<MDA	1.09E-01	<MDA
SR54-18	FPG 18	0-6	7.99E-01	7.99E-01	2.11E-01	<MDA	1.53E-01	<MDA
SR54-18	FPG 18	6-18	<MDA	1.05E-01	<MDA	<MDA	1.59E-01	<MDA
SR54-18	FPG 18	18-30	<MDA	1.14E-01	<MDA	<MDA	1.72E-01	<MDA

SR-54 Plum Brook Stream Bed – Plum Brook Flood Plain (Additional Investigation Perkins Ave to Rt. 6)

Sample #	Location	Depth	Cs-137 pCi/g	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 pCi/g	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR54-18	FPG 18	30-46.5	<MDA	1.97E-01	<MDA	<MDA	1.88E-01	<MDA
SR54-19	FPG 19	0-6	7.91E-01	7.91E-01	2.07E-01	<MDA	1.49E-01	<MDA
SR54-19	FPG 19	6-18	7.78E-01	7.78E-01	2.06E-01	<MDA	1.44E-01	<MDA
SR54-19	FPG 19	18-30	<MDA	1.26E-01	<MDA	<MDA	1.60E-01	<MDA
SR54-19	FPG 19	30-42	<MDA	1.36E-01	<MDA	<MDA	1.99E-01	<MDA
SR54-20	FPG 20	0-6	1.01E+00	1.01E+00	2.78E-01	<MDA	1.61E-01	<MDA
SR54-20	FPG 20	6-18	1.59E+00	1.59E+00	2.97E-01	<MDA	1.50E-01	<MDA
SR54-20	FPG 20	18-30	<MDA	1.19E-01	<MDA	<MDA	1.79E-01	<MDA
SR54-20	FPG 20	30-42	<MDA	1.17E-01	<MDA	<MDA	1.54E-01	<MDA
SR54-21	FPG 21	0-6	6.00E-01	6.00E-01	2.08E-01	<MDA	1.55E-01	<MDA
SR54-21	FPG 21	6-18	<MDA	1.11E-01	<MDA	<MDA	1.62E-01	<MDA
SR54-21	FPG 21	18-30	<MDA	1.09E-01	<MDA	<MDA	1.65E-01	<MDA
SR54-21	FPG 21	30-42	<MDA	1.22E-01	<MDA	<MDA	1.77E-01	<MDA
SR54-21	FPG 21	42-54	<MDA	7.35E-02	<MDA	<MDA	1.11E-01	<MDA
SR54-21	FPG 21	0-6 QC	3.61E-01	3.61E-01	1.63E-01	<MDA	2.17E-01	<MDA
SR54-21	FPG 21	6-18 QC	<MDA	1.20E-01	<MDA	<MDA	1.59E-01	<MDA
SR54-21	FPG 21	18-30 QC	<MDA	1.19E-01	<MDA	<MDA	1.79E-01	<MDA
SR54-21	FPG 21	30-42 QC	<MDA	5.92E-02	<MDA	<MDA	8.63E-02	<MDA
SR54-21	FPG 21	42-54 QC	<MDA	7.36E-02	<MDA	<MDA	1.11E-01	<MDA
SR54-22	FPG 22	0-6	1.23E+00	1.23E+00	3.13E-01	<MDA	9.35E-02	<MDA
SR54-22	FPG 22	6-18	8.81E-01	8.81E-01	2.33E-01	<MDA	1.63E-01	<MDA
SR54-22	FPG 22	18-30	<MDA	1.09E-01	<MDA	<MDA	1.65E-01	<MDA
SR54-22	FPG 22	30-42	<MDA	1.14E-01	<MDA	<MDA	1.66E-01	<MDA
SR54-22	FPG 22	42-54.7	<MDA	1.24E-01	<MDA	<MDA	1.87E-01	<MDA
SR54-23	FPG 23	0-6	1.24E+00	1.24E+00	2.61E-01	<MDA	1.49E-01	<MDA
SR54-23	FPG 23	6-18	5.53E-01	5.53E-01	2.16E-01	<MDA	1.58E-01	<MDA
SR54-23	FPG 23	18-30	<MDA	1.03E-01	<MDA	<MDA	1.54E-01	<MDA
SR54-23	FPG 23	30-42	<MDA	1.45E-01	<MDA	<MDA	2.18E-01	<MDA
SR54-23	FPG 23	42-54	<MDA	1.14E-01	<MDA	<MDA	1.66E-01	<MDA
SR54-24	FPG 24	0-6	2.65E+00	2.65E+00	3.89E-01	<MDA	1.52E-01	<MDA
SR54-24	FPG 24	6-18	4.42E-01	4.42E-01	1.65E-01	<MDA	1.64E-01	<MDA
SR54-24	FPG 24	18-30	<MDA	1.11E-01	<MDA	<MDA	1.67E-01	<MDA
SR54-24	FPG 24	30-42	<MDA	1.33E-01	<MDA	<MDA	1.93E-01	<MDA
SR54-24	FPG 24	42-53.5	<MDA	7.73E-02	<MDA	<MDA	1.17E-01	<MDA
SR54-25	FPG 25	0-6	8.38E-01	8.38E-01	2.02E-01	<MDA	1.33E-01	<MDA
SR54-25	FPG 25	6-18	1.13E+00	1.13E+00	1.98E-01	<MDA	8.18E-02	<MDA
SR54-25	FPG 25	18-30	<MDA	1.24E-01	<MDA	<MDA	1.70E-01	<MDA
SR54-25	FPG 25	30-42	<MDA	1.18E-01	<MDA	<MDA	1.77E-01	<MDA
SR54-25	FPG 25	42-51.25	<MDA	1.05E-01	<MDA	<MDA	1.58E-01	<MDA
SR54-26	FPG 26	0-6	1.92E+00	1.92E+00	3.46E-01	<MDA	1.53E-01	<MDA
SR54-26	FPG 26	6-18	2.15E+00	2.15E+00	3.73E-01	<MDA	1.68E-01	<MDA
SR54-26	FPG 26	18-30	<MDA	1.01E-01	<MDA	<MDA	1.52E-01	<MDA

SR-54 Plum Brook Stream Bed – Plum Brook Flood Plain (Additional Investigation Perkins Ave to Rt. 6)

Sample #	Location	Depth	Cs-137 pCi/g	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 pCi/g	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR54-26	FPG 26	30-42	<MDA	1.23E-01	<MDA	<MDA	1.86E-01	<MDA
SR54-26	FPG 26	42-54	<MDA	1.06E-01	<MDA	<MDA	1.54E-01	<MDA
SR54-27	FPG 27	0-6	1.18E+00	1.18E+00	2.76E-01	<MDA	1.75E-01	<MDA
SR54-27	FPG 27	6-18	3.38E-01	3.38E-01	1.41E-01	<MDA	1.58E-01	<MDA
SR54-27	FPG 27	18-30	<MDA	1.03E-01	<MDA	<MDA	1.55E-01	<MDA
SR54-27	FPG 27	30-42	<MDA	1.24E-01	<MDA	<MDA	1.88E-01	<MDA
SR54-27	FPG 27	42-57.75	<MDA	9.15E-02	<MDA	<MDA	1.34E-01	<MDA
SR54-28	FPG 28	0-6	1.92E+00	1.92E+00	3.33E-01	<MDA	1.52E-01	<MDA
SR54-28	FPG 28	6-18	1.02E+00	1.02E+00	2.58E-01	<MDA	1.40E-01	<MDA
SR54-28	FPG 28	18-30	<MDA	1.45E-01	<MDA	<MDA	2.16E-01	<MDA
SR54-28	FPG 28	30-42	<MDA	1.46E-01	<MDA	<MDA	2.20E-01	<MDA
SR54-28	FPG 28	42-56.25	<MDA	1.09E-01	<MDA	<MDA	1.60E-01	<MDA
SR54-28	FPG 28	0-6 QC	2.29E+00	2.29E+00	3.97E-01	<MDA	1.52E-01	<MDA
SR54-28	FPG 28	6-18 QC	1.15E+00	1.15E+00	2.47E-01	<MDA	1.39E-01	<MDA
SR54-28	FPG 28	18-30 QC	<MDA	9.32E-02	<MDA	<MDA	1.41E-01	<MDA
SR54-28	FPG 28	30-42 QC	<MDA	1.47E-01	<MDA	<MDA	2.15E-01	<MDA
SR54-28	FPG 28	42-56.25 QC	<MDA	1.08E-01	<MDA	<MDA	1.63E-01	<MDA
SR54-29	FPG 29	0-6	<MDA	2.14E-01	<MDA	<MDA	2.05E-01	<MDA
SR54-29	FPG 29	6-18	<MDA	1.43E-01	<MDA	<MDA	2.16E-01	<MDA
SR54-29	FPG 29	18-30	<MDA	1.95E-01	<MDA	<MDA	2.84E-01	<MDA
SR54-29	FPG 29	30-42	<MDA	1.45E-01	<MDA	<MDA	2.19E-01	<MDA
SR54-29	FPG 29	42-59.5	<MDA	9.31E-02	<MDA	<MDA	1.28E-01	<MDA
SR54-30	FPG 30	0-6	1.22E+00	1.22E+00	2.75E-01	<MDA	1.52E-01	<MDA
SR54-30	FPG 30	6-18	<MDA	1.21E-01	<MDA	<MDA	1.76E-01	<MDA
SR54-30	FPG 30	18-30	<MDA	9.92E-02	<MDA	<MDA	1.77E-01	<MDA
SR54-30	FPG 30	30-42	<MDA	8.98E-02	<MDA	<MDA	1.24E-01	<MDA
SR54-30	FPG 30	42-54	<MDA	8.57E-02	<MDA	<MDA	1.29E-01	<MDA
SR54-30	FPG 30	0-6 QC	1.01E+00	1.01E+00	2.20E-01	<MDA	1.15E-01	<MDA
SR54-30	FPG 30	6-18 QC	<MDA	1.28E-01	<MDA	<MDA	1.87E-01	<MDA
SR54-30	FPG 30	18-30 QC	<MDA	9.64E-02	<MDA	<MDA	1.45E-01	<MDA
SR54-30	FPG 30	30-42 QC	<MDA	8.89E-02	<MDA	<MDA	1.30E-01	<MDA
SR54-30	FPG 30	42-54 QC	<MDA	9.47E-02	<MDA	<MDA	1.43E-01	<MDA
SR54-31	FPG 31	0-6	2.23E+00	2.23E+00	3.93E-01	<MDA	1.86E-01	<MDA
SR54-31	FPG 31	6-18	<MDA	1.64E-01	<MDA	<MDA	2.40E-01	<MDA
SR54-31	FPG 31	18-30	<MDA	1.97E-01	<MDA	<MDA	2.98E-01	<MDA
SR54-31	FPG 31	30-42	<MDA	1.10E-01	<MDA	<MDA	1.60E-01	<MDA
SR54-31	FPG 31	42-55.5	<MDA	1.08E-01	<MDA	<MDA	1.30E-01	<MDA
SR54-32	FPG 32	0-6	7.46E-01	7.46E-01	2.08E-01	<MDA	1.60E-01	<MDA
SR54-32	FPG 32	6-18	<MDA	9.72E-02	<MDA	<MDA	1.42E-01	<MDA
SR54-32	FPG 32	18-30	<MDA	8.95E-02	<MDA	<MDA	1.54E-01	<MDA
SR54-32	FPG 32	30-42	<MDA	1.12E-01	<MDA	<MDA	1.69E-01	<MDA
SR54-32	FPG 32	42-54	<MDA	1.30E-01	<MDA	<MDA	1.90E-01	<MDA

SR-54 Plum Brook Stream Bed – Plum Brook Flood Plain (Additional Investigation Perkins Ave to Rt. 6)

Sample #	Location	Depth	Cs-137 pCi/g	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 pCi/g	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR54-33	FPG 33	0-6	<MDA	5.20E-01	<MDA	<MDA	1.92E-01	<MDA
SR54-33	FPG 33	6-18	<MDA	1.21E-01	<MDA	<MDA	1.77E-01	<MDA
SR54-33	FPG 33	18-30	<MDA	9.96E-02	<MDA	<MDA	1.50E-01	<MDA
SR54-33	FPG 33	30-42	<MDA	8.90E-02	<MDA	<MDA	1.34E-01	<MDA
SR54-33	FPG 33	42-54	<MDA	8.94E-02	<MDA	<MDA	1.35E-01	<MDA
SR54-34	FPG 34	0-6	7.67E+00	7.67E+00	7.07E-01	<MDA	1.55E-01	<MDA
SR54-34	FPG 34	6-18	4.32E+00	4.32E+00	5.80E-01	<MDA	1.85E-01	<MDA
SR54-34	FPG 34	18-30	3.94E-01	3.94E-01	1.86E-01	<MDA	2.36E-01	<MDA
SR54-34	FPG 34	30-42	<MDA	1.26E-01	<MDA	<MDA	1.91E-01	<MDA
SR54-34	FPG 34	42-54	<MDA	9.20E-02	<MDA	<MDA	1.34E-01	<MDA
SR54-35	FPG 35	0-6	7.33E-01	7.33E-01	2.18E-01	<MDA	1.77E-01	<MDA
SR54-35	FPG 35	6-18	<MDA	1.93E-01	<MDA	<MDA	1.47E-01	<MDA
	FPG 35	18-30	Void in tube. No sample at this depth.					<MDA
SR54-35	FPG 35	30-42	<MDA	8.44E-02	<MDA	<MDA	1.27E-01	<MDA
SR54-35	FPG 35	42-54	<MDA	1.03E-01	<MDA	<MDA	1.55E-01	<MDA
SR54-36	FPG 36	0-6	1.28E+00	1.28E+00	2.82E-01	<MDA	1.53E-01	<MDA
SR54-36	FPG 36	6-18	4.68E+00	4.68E+00	5.07E-01	<MDA	1.30E-01	<MDA
SR54-36	FPG 36	18-30	<MDA	7.50E-02	<MDA	<MDA	1.13E-01	<MDA
SR54-36	FPG 36	30-44.5	<MDA	8.48E-02	<MDA	<MDA	1.28E-01	<MDA
SR54-37	FPG 37	0-6	1.45E+00	1.45E+00	2.83E-01	<MDA	1.49E-01	<MDA
SR54-37	FPG 37	6-18	<MDA	9.37E-02	<MDA	<MDA	1.37E-01	<MDA
SR54-37	FPG 37	18-30	<MDA	5.78E-02	<MDA	<MDA	8.34E-02	<MDA
SR54-37	FPG 37	30-42	<MDA	7.81E-02	<MDA	<MDA	1.18E-01	<MDA
SR54-37	FPG 37	42-50.5	<MDA	9.07E-02	<MDA	<MDA	1.32E-01	<MDA
SR54-38	FPG 38	0-6	1.20E+01	1.20E+01	8.73E-01	<MDA	1.38E-01	<MDA
SR54-38	FPG 38	6-18	2.05E-01	2.05E-01	9.69E-02	<MDA	1.22E-01	<MDA
SR54-38	FPG 38	18-30	<MDA	7.64E-02	<MDA	<MDA	1.15E-01	<MDA
SR54-38	FPG 38	30-39.5	<MDA	8.50E-02	<MDA	<MDA	1.28E-01	<MDA
SR54-39	FPG 39	0-6	3.76E-01	3.76E-01	1.51E-01	<MDA	1.67E-01	<MDA
SR54-39	FPG 39	6-18	<MDA	9.25E-02	<MDA	<MDA	1.35E-01	<MDA
SR54-39	FPG 39	18-30	<MDA	8.94E-02	<MDA	<MDA	1.35E-01	<MDA
SR54-39	FPG 39	30-40.5	<MDA	8.12E-02	<MDA	<MDA	1.22E-01	<MDA
SR54-40	FPG 40	0-6	<MDA	1.69E-01	<MDA	<MDA	1.56E-01	<MDA
SR54-40	FPG 40	6-18	<MDA	8.97E-02	<MDA	<MDA	1.35E-01	<MDA
SR54-40	FPG 40	18-30	<MDA	7.68E-02	<MDA	<MDA	1.12E-01	<MDA
SR54-40	FPG 40	30-41	<MDA	8.10E-02	<MDA	<MDA	1.22E-01	<MDA
SR54-41	FPG 41	0-6	5.58E-01	5.58E-01	1.88E-01	<MDA	1.35E-01	<MDA
SR54-41	FPG 41	6-18	<MDA	1.36E-01	<MDA	<MDA	1.81E-01	<MDA
SR54-41	FPG 41	18-30	<MDA	8.23E-02	<MDA	<MDA	1.24E-01	<MDA
SR54-41	FPG 41	30-42	<MDA	8.02E-02	<MDA	<MDA	1.17E-01	<MDA
SR54-41	FPG 41	42-49	<MDA	8.00E-02	<MDA	<MDA	1.21E-01	<MDA
SR54-42	FPG 42	0-6	6.46E-01	6.46E-01	1.94E-01	<MDA	1.54E-01	<MDA

SR-54 Plum Brook Stream Bed – Plum Brook Flood Plain (Additional Investigation Perkins Ave to Rt. 6)

Sample #	Location	Depth	Cs-137 pCi/g	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 pCi/g	Co-60 w MDA values (pCi/g)	Co-60 2σ (pCi/g)
SR54-42	FPG 42	6-18	7.37E-01	7.37E-01	1.52E-01	<MDA	7.79E-02	<MDA
SR54-42	FPG 42	18-30	<MDA	8.46E-02	<MDA	<MDA	1.18E-01	<MDA
SR54-42	FPG 42	30-42	<MDA	7.87E-02	<MDA	<MDA	1.15E-01	<MDA
SR54-42	FPG 42	42-58.75	<MDA	7.95E-02	<MDA	<MDA	1.20E-01	<MDA
Number			75	212	75	0	212	0
Min			2.05E-01	5.78E-02	8.21E-02	NA	7.79E-02	NA
Max			1.20E+01	1.20E+01	8.73E-01	NA	7.64E-01	NA
Avg			1.75E+00	6.91E-01	2.91E-01	NA	1.57E-01	NA
SD			1.92E+00	1.38E+00	1.47E-01	NA	5.38E-02	NA

SR-54 Sample Data Report Note: This sample data report format differs slightly from the standard table format of this Appendix. Sample depth is recorded in a separate column in the sample data report for this SR. To preserve space in this table, the sample weight column is not included

SR-95 Waste Water Treatment Plant Taylor Road (Geoprobe Sampling of Subsurface Soil)

Sample #	Location	Sample Depth	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ pCi/g
SR-95-1	WWTP-1	0"-6"	<MDA	1.40E-01	<MDA	<MDA	1.97E-01	<MDA
SR-95-1	WWTP-1	1m	<MDA	6.20E-02	<MDA	<MDA	9.06E-02	<MDA
SR-95-1	WWTP-1	2m	<MDA	7.00E-02	<MDA	<MDA	1.06E-01	<MDA
SR-95-2	WWTP-2	0"-6"	<MDA	9.25E-02	<MDA	<MDA	1.04E-01	<MDA
SR-95-2	WWTP-2	1m	<MDA	9.42E-02	<MDA	<MDA	9.84E-02	<MDA
SR-95-2	WWTP-2	2m	<MDA	6.68E-02	<MDA	<MDA	1.01E-01	<MDA
SR-95-3	WWTP-3	0"-6"	1.78E-01	1.78E-01	8.39E-02	<MDA	1.06E-01	<MDA
SR-95-3	WWTP-3	1m	<MDA	6.66E-02	<MDA	<MDA	1.01E-01	<MDA
SR-95-3	WWTP-3	2M	<MDA	1.40E-01	<MDA	<MDA	1.34E-01	<MDA
SR-95-4	WWTP-4	0"-6"	<MDA	7.06E-02	<MDA	<MDA	1.06E-01	<MDA
SR-95-4	WWTP-4	1m	<MDA	7.95E-02	<MDA	<MDA	1.16E-01	<MDA
SR-95-4	WWTP-4	2m	<MDA	7.81E-02	<MDA	<MDA	1.15E-01	<MDA
SR-95-5	WWTP-5	0"-6"	<MDA	1.24E-01	<MDA	<MDA	1.23E-01	<MDA
SR-95-5	WWTP-5	1m	<MDA	8.67E-02	<MDA	<MDA	9.75E-02	<MDA
SR-95-5	WWTP-5	2m	<MDA	6.98E-02	<MDA	<MDA	1.02E-01	<MDA
SR-95-6	WWTP-6	0"-6"	<MDA	1.58E-01	<MDA	<MDA	1.14E-01	<MDA
SR-95-6	WWTP-6	1m	<MDA	6.61E-02	<MDA	<MDA	9.66E-02	<MDA
SR-95-6	WWTP-6	2m	<MDA	7.27E-02	<MDA	<MDA	1.10E-01	<MDA
SR-95-7	WWTP-7	0"-6"	<MDA	7.23E-02	<MDA	<MDA	1.09E-01	<MDA
SR-95-7	WWTP-7	1m	<MDA	7.79E-02	<MDA	<MDA	1.14E-01	<MDA
SR-95-7	WWTP-7	2m	<MDA	7.90E-02	<MDA	<MDA	1.20E-01	<MDA
SR-95-8	WWTP-8	0"-6"	<MDA	1.09E-01	<MDA	<MDA	1.20E-01	<MDA
SR-95-8	WWTP-8	1m	<MDA	7.65E-02	<MDA	<MDA	1.12E-01	<MDA
SR-95-8	WWTP-8	2m	<MDA	1.05E-01	<MDA	<MDA	1.10E-01	<MDA
SR-95-9	WWTP-9	0"-6"	<MDA	6.86E-02	<MDA	<MDA	1.04E-01	<MDA
SR-95-9	WWTP-9	1m	<MDA	8.45E-02	<MDA	<MDA	1.24E-01	<MDA
SR-95-9	WWTP-9	2m	<MDA	7.06E-02	<MDA	<MDA	1.07E-01	<MDA
SR-95-9	WWTP-9	0"-6"QC	<MDA	7.78E-02	<MDA	<MDA	1.14E-01	<MDA
SR-95-9	WWTP-9	1mQC	<MDA	7.38E-02	<MDA	<MDA	1.12E-01	<MDA
SR-95-9	WWTP-9	2mQC	<MDA	7.88E-02	<MDA	<MDA	1.15E-01	<MDA
SR-95-10	WWTP-10	0"-6"	<MDA	7.58E-02	<MDA	<MDA	1.11E-01	<MDA
SR-95-10	WWTP-10	1m	<MDA	7.29E-02	<MDA	<MDA	1.10E-01	<MDA
SR-95-10	WWTP-10	2m	<MDA	8.15E-02	<MDA	<MDA	1.19E-01	<MDA
SR-95-11	WWTP-11	0"-6"	<MDA	7.82E-02	<MDA	<MDA	1.14E-01	<MDA
SR-95-11	WWTP-11	1m	<MDA	7.93E-02	<MDA	<MDA	1.01E-01	<MDA
SR-95-11	WWTP-11	2m	<MDA	6.12E-02	<MDA	<MDA	9.19E-02	<MDA
SR-95-11	WWTP-11	3m	<MDA	7.10E-02	<MDA	<MDA	1.04E-01	<MDA
SR-95-12	WWTP-12	0"-6"	<MDA	1.10E-01	<MDA	<MDA	1.09E-01	<MDA
SR-95-12	WWTP-12	1m	<MDA	7.20E-02	<MDA	<MDA	1.05E-01	<MDA
SR-95-12	WWTP-12	2m	<MDA	6.82E-02	<MDA	<MDA	1.03E-01	<MDA

SR-95 Waste Water Treatment Plant Taylor Road (Geoprobe Sampling of Subsurface Soil)

Sample #	Location	Sample Depth	Cs-137 (pCi/g)	Cs-137 w MDA values (pCi/g)	Cs-137 2σ (pCi/g)	Co-60 (pCi/g)	Co-60 w MDA values (pCi/g)	Co-60 2σ pCi/g
SR-95-12	WWTP-12	3m	<MDA	7.17E-02	<MDA	<MDA	1.05E-01	<MDA
SR-95-13	WWTP-13	0"-6"	1.61E-01	1.61E-01	7.84E-02	<MDA	1.05E-01	<MDA
SR-95-13	WWTP-13	1m	<MDA	8.47E-02	<MDA	<MDA	1.13E-01	<MDA
SR-95-13	WWTP-13	2m	<MDA	8.28E-02	<MDA	<MDA	9.90E-02	<MDA
SR-95-13	WWTP-13	3m	<MDA	6.64E-02	<MDA	<MDA	9.98E-02	<MDA
SR-95-14	WWTP-14	0"-6"	1.96E-01	1.96E-01	9.26E-02	<MDA	1.21E-01	<MDA
SR-95-14	WWTP-14	1m	<MDA	9.45E-02	<MDA	<MDA	1.04E-01	<MDA
SR-95-14	WWTP-14	2m	<MDA	7.20E-02	<MDA	<MDA	1.09E-01	<MDA
SR-95-14	WWTP-14	3m	<MDA	8.05E-02	<MDA	<MDA	9.32E-02	<MDA
SR-95-15	WWTP-15	0"-6"	<MDA	8.61E-02	<MDA	<MDA	1.10E-01	<MDA
SR-95-15	WWTP-15	1m	<MDA	7.15E-02	<MDA	<MDA	1.05E-01	<MDA
SR-95-15	WWTP-15	2m	<MDA	7.83E-02	<MDA	<MDA	1.08E-01	<MDA
SR-95-15	WWTP-15	3m	<MDA	7.90E-02	<MDA	<MDA	1.16E-01	<MDA
SR-95-16	WWTP-16	0"-6"	<MDA	9.38E-02	<MDA	<MDA	1.06E-01	<MDA
SR-95-16	WWTP-16	1m	<MDA	7.33E-02	<MDA	<MDA	1.11E-01	<MDA
SR-95-16	WWTP-16	2m	<MDA	6.50E-02	<MDA	<MDA	9.83E-02	<MDA
SR-95-16	WWTP-16	3m	<MDA	7.28E-02	<MDA	<MDA	1.07E-01	<MDA
SR-95-17	WWTP-17	0"-6"	<MDA	1.04E-01	<MDA	<MDA	1.12E-01	<MDA
SR-95-17	WWTP-17	1m	<MDA	7.30E-02	<MDA	<MDA	1.07E-01	<MDA
SR-95-17	WWTP-17	2m	<MDA	7.23E-02	<MDA	<MDA	1.09E-01	<MDA
SR-95-17	WWTP-17	3m	<MDA	6.38E-02	<MDA	<MDA	9.61E-02	<MDA
SR-95-18	WWTP-18	0"-6"	<MDA	8.33E-02	<MDA	<MDA	1.22E-01	<MDA
SR-95-18	WWTP-18	1m	<MDA	1.04E-01	<MDA	<MDA	1.04E-01	<MDA
SR-95-18	WWTP-18	2m	<MDA	9.36E-02	<MDA	<MDA	1.01E-01	<MDA
SR-95-18	WWTP-18	3m	<MDA	8.01E-02	<MDA	<MDA	1.17E-01	<MDA
SR-95-19	WWTP-19	0"-6"	<MDA	7.91E-02	<MDA	<MDA	1.20E-01	<MDA
SR-95-19	WWTP-19	1m	<MDA	7.02E-02	<MDA	<MDA	1.06E-01	<MDA
SR-95-19	WWTP-19	2m	<MDA	8.06E-02	<MDA	<MDA	1.18E-01	<MDA
SR-95-19	WWTP-19	3m	<MDA	7.05E-02	<MDA	<MDA	1.07E-01	<MDA
SR-95-20	WWTP-20	0"-6"	<MDA	8.48E-02	<MDA	<MDA	1.29E-01	<MDA
SR-95-20	WWTP-20	1m	<MDA	7.65E-02	<MDA	<MDA	1.16E-01	<MDA
SR-95-20	WWTP-20	2m	<MDA	7.78E-02	<MDA	<MDA	1.14E-01	<MDA
SR-95-20	WWTP-20	3m	<MDA	7.04E-02	<MDA	<MDA	1.07E-01	<MDA
Number			3	73	3	0	73	0
Min			1.61E-01	6.12E-02	7.84E-02	NA	9.06E-02	NA
Max			1.96E-01	1.96E-01	9.26E-02	NA	1.97E-01	NA
Avg			1.78E-01	8.59E-02	8.50E-02	NA	1.10E-01	NA
SD			1.73E-02	2.65E-02	7.14E-03	NA	1.33E-02	NA

SR-95 Sample Data Report Note: This sample data report format differs slightly from the standard table format of this Appendix. Sample depth is recorded in a separate column in the sample data report for this SR. To preserve space in this table, the sample weight column is not included