Revision 3/03

CORRES. CONTROL
OUTGOING LTR NO.

DOE ORDER #

05 RF CC135

DIST.	LTR	ENC
BERARDINI, J.	X	
BRAILSFORD, M.D		
FERRERA, D.W.	X	
FERRI, M.S.		
FULTON, J.C.		
GIACOMINI, J.		
HALL, L.		
MARTINEZ, L.A.		
PARKER, A.M.		
POWERS, K.		
SCOTT, G.K.		
SHELTON, D.C.	X	
SPEARS, M.S.		
TRICE, K.D.		
VOORHEIS, G.M.		
WIEMELT, K.L.	X	X
THORNBURG, AMY	X	
COR. CONTROL	X	X
ADMN. RECORD	x	x
WASTE REC. CTR		
TRAFFIC		
PATS/130		
CLASSIFICATION:		
UCNI		
UNCLASSIFIED		
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER SIGNATURE
Exemption – CEX-105-01

Date

IN REPLY TO RFP CC NO:

ACTION ITEM STATUS

☐ PARTIAL/OPEN

☐ CLOSED

LTR APPROVALS:

ORIG & TYPIST INITIALS

KAISER•HILL COMPANY

February 3, 2005

05-RF-00135

Mr. Joseph A. Legare, Director
Project Management Division
DOE, RFPO

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Colorado Department of Public Health and Environment
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Denver, CO 80246-1502

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TRANSMITTAL OF DRAFT NFAA JUSTIFICATION WRITE-UP FOR PAC 000-505
KLW-008-05

Enclosed are copies of the Draft NFAA Justification Write-up for PAC 000-505. We will contact your staff to schedule a meeting the week of February 14 to resolve comments and finalize the text.

If you have any questions, please contact me at extension 9883.

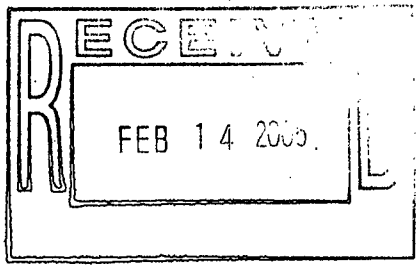
Karen L Wiemelt

Karen L. Wiemelt
Manager, Environmental Restoration Programs

KLW:dm

Orig and 1 cc – Joseph Legare
cc: Norma Castaneda

Enclosures:
As Stated



ADMIN RECORD

Revision 7/04

1/65

Kaiser-Hill Company, L L C
Rocky Flats Environmental Technology Site, 10808 Hwy. 93 Unit B, Golden, CO 80403-8200 • 303-966-7000

NO FURTHER ACCELERATED ACTION JUSTIFICATION FOR STORM DRAINS PAC REFERENCE NUMBER: 000-505

IHSS Number:	Not Applicable
Operable Unit	Industrial Area
IHSS Group	000-3
Unit Name:	Storm Drains
Approximate Location:	Not Applicable

Date(s) of Operation or Occurrence

1952 - Present

Description of Operation or Occurrence

In 1999, storm drains were identified as a Potential Area of Concern (PAC). At that time, 239 storm drains were estimated to be present at the Rocky Flats Environmental Technology Site (RFETS) (Figure 1)[1]. The storm drains provide site drainage from roads, parking lots, and other areas and discharge into the creeks and drainages north and south of the Site. Some footing drains from site buildings also discharge to storm drains (DOE 1999).

Physical/Chemical Description of Constituents Released

The storm drains were designed to convey surface water away from the Site but unplanned accidental discharges to the system have occurred. There are eight specific contaminant release areas associated with PAC 000-505 (DOE 1999), many of which are separate Individual Hazardous Substance Sites (IHSSs) or PACs within the various IHSS Groups identified for the Site. These contaminant release areas have been or will be dispositioned in accordance with Attachment 5 of the Rocky Flats Cleanup Agreement (DOE et al 2003) as discussed in the subsequent section of this document entitled "Fate of Constituents Released to the Environment". The following descriptions of the contaminant-release areas are based on information provided in the 1999 Annual Update to the Historical Release Report (DOE 1999).

[1] The difference between Figure 1and the figure in the original PAC 000-505 description (DOE 1999) is that the Interceptor Trench System [ITS] has been removed. The ITS is not part of the storm drain system and was inadvertently included in the original figure.

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1. Potential contamination at Building 771 storm drain (IHSS 700-143)

Various waste liquids from laundry and decontamination facilities, the analytical laboratory, radiography sinks, and runoff from the Building 771 roof and ground areas were discharged into the Building 771 storm drain from 1953 until mid 1957. Periodic releases from laundry holding tanks occurred until 1965.

2. Wash water from the degreasing of depleted uranium parts near Building 991 (IHSS 900-173)

Cleaning operations were performed on depleted uranium parts in the open courtyard of Building 991 during the late 50's and early 60's. Parts were degreased with acetone and other organic solvents. Spills and water wash downs were flushed into the storm drains which discharged into South Walnut Creek (DOE 1999).

3. Release of nitric acid/nitradd[2] waste solution from Building 460 (IHSS 400-205)

In April 1989, between 5 and 7 gallons of nitric acid/nitradd waste solution from Building 460 entered a storm drain that feeds into Pond C-2 (DOE 1999).

4. Release of miscellaneous materials into the storm drain west of Building 446 (PAC 400-803)

Miscellaneous materials including silver paint and possibly oil and aluminum paint were dumped into the storm drain immediately west of Building 446 (DOE, 1999a).

5. PCB runoff from Building 707 (PAC 700-1103)

Transformers 707-1 through 707-6 were located on the east side of the Building 707 roof, and were known to have leaked dielectric coolant. Analytical data of soil and swipe samples confirmed the pad on the roof and the soil on the ground immediately east of Building 707 were contaminated with PCBs. The soil contamination resulted from rainwater collecting on the rooftop where the transformers were located, then being released through a downspout to the ground. At that time, there was concern that PCBs had migrated to an existing storm drain over 100ft. down gradient (DOE 1992).

6. PCB runoff from Building 444 Courtyard (PAC 400-801)

This PAC represents the release of transformer oil from a transformer that was located on the roof of Building 447. Downspouts were located north of the transformer's former position, which would have allowed PCB contaminated runoff to infiltrate soils adjacent to Building 447. A storm drain is situated roughly twenty feet from the building and may have also been contaminated (DOE 1992). As part of the Site-Wide Evaluation of Known, Suspect, and Potential Environmental Releases of PCBs conducted in July of 1991, a sediment sample was collected from the storm drain sump, and the analytical results indicated the presence of PCBs at 54,000 ug/kg. This exceeds the WRW AL of 12,400 ug/kg.

7. Building 776 Storm Drain

This contaminant-release area is in IHSS 700-150.2 (S), Radioactive Site West of Buildings 771 and 776. The south (S) designation refers to the radioactive site west of

[2] Nitradd is a mixture of nitric acid, acetic acid, and ammonium bifluoride.

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Building 776. On May 11, 1969, a fire occurred in Building 776-777. The IHSS is the result of plutonium being tracked outside of Building 776 by firefighting and support personnel, and was detectable on the ground west of the building. A storm drain runs along the western side of the building.

8. Building 371 Ditch and Storm Drain Runoff

Although there were no reported specific contaminant release events to a Building 371 storm drain or ditch, these drains and ditches were sampled in 1987 and they represent an 8th potential contaminant release area in PAC 000-505. The results of 1987 sample analyses are listed in Table 1. It is not known if samples were collected during a storm event or from standing water (DOE 1999).

Table 1 Analytical Results from Building 371 Storm Drains and Ditches

Sample Location	Analyte	Results
Storm Drains	Gross Alpha	24 +/- 8 pCi/L
	Gross Beta	64 +/- 4 pCi/L
	pH	6.8
	NO_3 as N	0.53 mg/L
Ditches (North)	Gross Alpha	18 +/- 16 pCi/L
	Gross Beta	14 +/- 34 pCi/L
	NO_3 as N	1.27 mg/L
Ditches (South)	Gross Alpha	19 +/- 13 pCi/L
	Gross Beta	16 +/- 35 pCi/L
	NO_3 as N	0.33 mg/L

Responses to Operation or Occurrence

Of the eight contaminant release areas noted above, an immediate response to the occurrence is documented only for the first and the fourth, as noted in the following two paragraphs, respectively.

In September 1970, two 55-gallon drums of contaminated soil were removed from the Building 771 storm drain area and additional soil was removed in February of 1971. At least 50 drums of contaminated soil were eventually removed (DOE 1999).

The contractor was required to cleanup up the storm drain ditch west of Building 446 and disposition the waste. No other documentation could be found detailing the responses to potential releases from this occurrence (DOE 1999).

Fate of Constituents Released to Environment

PAC 000-505 has been assessed to render a No Further Accelerated Action (NFAA) determination using the following approach. As discussed previously, there are eight contaminant release areas associated with PAC 000-505. These areas are IHSSs/PACs or are within IHSSs/PACs, and have been characterized in accordance with the Industrial Area Sampling and Analysis Plan (IASAP) (DOE 2001), and remediated (as necessary) in accordance with the Environmental Restoration (ER) Rocky Flats Cleanup Agreement

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(RFCA) Standard Operating Protocol for Routine Soil Remediation (ER RSOP) (DOE 2003a). All of these sites have been or will be dispositioned in accordance with RFCA Attachment 5 (DOE et al 2003). The disposition status of each of these areas is provided below. Also, because PAC 000-505 encompasses other storm drains not associated with the specific contaminant release areas, sediment, surface soil, and subsurface soil data associated with all storm drains have also been evaluated to render a NFAA determination for PAC 000-505. The NFAA evaluation is discussed herein.

DISPOSITION STATUS OF THE EIGHT CONTAMINANT-RELEASE AREAS

The eight contaminant-release areas either have been or will be addressed through accelerated action activities. Details are provided below.

Contaminant-Release Area #1 - 771 Building Storm Drain. This contaminant-release area is PAC 700-143 (771 Outfall). PAC 700-143 was proposed for NFAA (DOE 2004a). Metals, radionuclides, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, and polychlorinated biphenyls (PCBs) were identified as Potential Contaminants of Concern (PCOCs) in soil. For surface soil, all PCOCs were less than the Wildlife Refuge Worker (WRW) Action Levels (ALs) (DOE et al 2003). The Subsurface Soil Risk Screen (SSRS) (DOE et al 2003) was applied to the subsurface soil data, and it did not indicate that soil removal at the outfall area was necessary. Constituents above background in local alluvial groundwater were at concentrations well below the Tier I groundwater ALs, and only few of these constituents were identified as being above background in surface and subsurface soil at the PAC. It was concluded that previous remedial activities at this IHSS effectively addressed the release of contamination. DOE received concurrence from CDPHE on the NFAA status for the site on September 7, 2004 (CDPHE 2004a).

Contaminant-Release Area #2 - Wash Water from Degreasing of Depleted Uranium Parts near Building 991. This contaminant-release area is IHSS 900-173 (Radioactive Site Building 991). IHSS 900-173 is part of IHSS Group 900-1. Characterization of IHSS Group 900-1 was conducted in accordance with IASAP Addendum #IA-03-03 (DOE 2003b). Analytical results from the characterization of this IHSS are presented in the Closeout Report for IHSS Group 900-1 (DOE 2004b)[3]. Radionuclides, metals, VOCs, and expolosives were identified as PCOCs in soil. Surface soil sampling results indicate that all contaminant concentrations are less than the RFCA WRW ALs, except for one arsenic concentration. The elevated arsenic concentration is 25.2 mg/kg, and the AL is 22.2 mg/kg. It was concluded that surface soil removal was not required. Based on application of the SSRS, subsurface soil removal was also not required. Accordingly, an NFAA was proposed for IHSS Group 900-1, which includes IHSS 900-173. DOE received concurrence by CDPHE of the NFAA status for IHSS Group 900-1 on March 31, 2004 (CDPHE 2004b).

Contaminant-Release Area #3 - Release of Nitric Acid/Nitradd Waste Solution from Building 460. This contaminant-release area is IHSS 400-205. IHSS 400-205 is part of IHSS Group 400-5 and was investigated in accordance with IASAP Addendum #IA-03-

[3] Characterization results for IHSS 900-173 indicated that analytes in soil were below the WRW ALs. Accelerated actions performed at IHSS Group 900-1 addressed other IHSSs, PACs, and UBCs.

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14 for IHSS Groups 400-5 and 400-6 (DOE 2003c). Radionuclides, metals, VOCs, and SVOCs were identified as PCOCs in soil. Analytical results from the characterization of this IHSS are presented in the Data Summary Report for IHSS Group 400-5 (DOE 2004c). Surface soil sampling results indicate that all contaminant concentrations are less than the RFCA WRW ALs. Based on application of the SSRS, subsurface soil removal was not required. Accordingly, an NFAA was proposed for IHSS Group 400-5, which includes IHSS 400-205. DOE received concurrence by CDPHE of the NFAA status for IHSS Group 400-5 on December 7, 2004 (CDPHE 2004c).

Contaminant-Release Area #4 - Release of Miscellaneous Materials into the Storm Drain West of Building 446, PAC 400-803. In accordance with the IASAP Addendum #IA-04-14 for IHSS Group 400-4 (DOE 2004d), which includes PAC 400-803, characterization samples were collected and analyzed. Radionuclides, metals, and SVOCs were identified as PCOCs in soil. Analytical results from the characterization are presented in the Data Summary Report for IHSS Group 400-4 (DOE 2004e). All surface soil PCOC concentrations were less than the WRW AL except benzo(a)pyrene, which was detected at one location at a concentration of 9,200 ug/kg (WRW AL is 3,400 ug/kg). No action was taken to remove soil with the elevated benzo(a)pyrene concentration because, in accordance with the IASAP, the surface soil exceedance is less than three times the AL and no action is required. Based on application of the SSRS to the subsurface soil data, subsurface soil removal was not required. Accordingly, an NFAA was proposed for IHSS Group 400-4, which includes IHSS 400-803. DOE received concurrence by CDPHE of the NFAA status for IHSS Group 400-4 on August 23, 2004 (CDPHE 2004d).

Contaminant-Release Area #5 - PCB runoff from Building 707. This contaminant-release area is PAC 700-1103. Approximately 67 cubic yards of PCB-contaminated soil was excavated from the site to achieve residual PCB (Aroclor) concentrations in the soil of 10 mg/kg (DOE 1997). Results from extensive soil sampling in the area proved that PCB-contaminated rainwater from the Building 707 rooftop did not migrate to the storm drain located over 100 ft. downgradient. A White Paper (DOE 2004f) was prepared and submitted to CDPHE that demonstrates that cleanup of PCB-contaminated soil at a transformer site to less than 10 ppm Aroclor is sufficiently protective to render PCB sites NFAA in light of recent studies showing that a few PCB congeners have dioxin-like properties. Based on the site remediation and confirmation data and the findings of this White Paper, the site was proposed for NFAA. DOE received concurrence from CDPHE on the NFAA status for the site on May 6, 2004 (CDPHE 2004e).

Contaminant-Release Area #6 - PCB Runoff from Building 444 Courtyard. This contaminant-release area is PAC 400-801, which is included in IHSS Group 400-3. This IHSS Group was characterized in accordance with IASAP Addendum #IA-03-06 (DOE 2003d). Radionuclides, metals, VOCs, and PCBs were identified as PCOCs in soil. Based on comparison of surface soil results to the WRW ALs, and the application of the SSRS to the subsurface soil results, NFAA was proposed in the IHSS Group 400-3 Data Summary Report (DOE 2003e). DOE received concurrence by CDPHE of the NFAA status for IHSS Group 400-3 IHSS (CDPHE 2003a). However, historical data indicates Aroclor 1260 is present at 54,000 ug/kg in sludge within the storm drain sump in the Building 444 courtyard. This contamination will be addressed by removal of the sump

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and plugging of the storm drain pipe as part of the Building 444 demolition (see Contact Record in Appendix A).

Contaminant-Release Area #7 - Building 776 Storm Drain. This contaminant-release area is in IHSS 700-150.2 (S), Radioactive Site West of Buildings 771 and 776. IHSS 700-150.2 (S) is part of IHSS Group 700-3 and was investigated in accordance with IASAP Addendum #IA-03-04 (DOE 2003f). Soil remediation, if required, will be conducted in accordance with ER RSOP Notification #04-04 (DOE 2004g). Any contamination in the storm drain will be addressed by removal of the drain during the Building 776 demolition (see Contact Record in Appendix A).

Contaminant-Release Area #8 - Building 371 Storm Drains. The analytical data provided in Table 1, together with surface water quality data collected at downstream surface water stations, does not indicate a need for accelerated action. First, the gross alpha and beta concentrations in the storm drains and ditches are of the same order of magnitude as the surface water ALs (gross alpha [11 pCi/L] and gross beta [19 pCi/L]), and nitrate is well below the surface water AL (10 mg/L). Second, pursuant to the Integrated Monitoring Plan (IMP), surface water quality downgradient from Building 371 is monitored to assess potential impacts. A new performance monitoring location (SW018) was established in October 2003 in the unnamed drainage just east of Building 371/374. This drainage receives runoff and storm drain discharge from the east side of Building 371/374. The station was established for monitoring potential Building 371/374 D&D impacts on water quality. As shown in Table 2, americium-241 (Am-241), plutonium-239/240 (Pu-239/240), and total uranium at SW018 are all well below their surface ALs of 0.15 pCi/L, 0.15 pCi/L, and 10 pCi/L, respectively.

Table 2 Radionuclide Concentrations at SW018

Sample Collection Date	Am-241 (pCi/L)	Pu-239/240 (pCi/L)	Total Uranium (pCi/L)
10/13/2003	0.013	0.000	1.835
11/10/2003	0.000	0.000	2.584
12/18/2003	0.007	0.006	2.371
3/8/2004	0.004	0.021	1.950
4/12/2004	0.010	0.016	1.767
4/26/2004	0.008	0.017	2.953
5/11/2004	0.032	0.053	2.976
6/3/2004	0.020	0.040	1.849
6/18/2004	0.021	0.067	1.764
6/28/2004	0.006	0.022	2.438

Lastly, this contaminant-release area is not a specific IHSS like the other contaminant-release areas, i.e., it has simply been defined in PAC 000-505 through the offering of some water quality data. It is near IHSS Groups 300-3 and 300-4 (UBC 371 and UBC 374). It is worthy of note that the Data Summary Report for these IHSS Groups (DOE 2003g) proposed NFAA, and CDPHE concurred with the NFAA status for these IHSS Groups (CDPHE 2003b).

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POTENTIAL CONTAMINATION IN SOIL/SEDIMENT AT STORM DRAIN LOCATIONS ACROSS THE SITE

Although the identification of storm drains as a PAC is a result of the reported releases discussed above, PAC 000-505 does encompass other storm drains. Accordingly, all sediment, surface soil, and subsurface soil data have been examined to further evaluate the appropriateness of NFAA for this PAC. These data have been collected as part of historical investigations within the Industrial Area or for other IHSS Group characterizations/remediations. The data are for sample locations within 10 feet of a storm drain or interconnecting stream. They are most representative of potential contaminant releases to or from the storm drain system, and/or represent sediment/soil in the vicinity of the storm drain that is susceptible to future erosion. In several areas, accelerated actions have been conducted, and as such, there are several samples considered no longer representative (NLR), i.e., the soil was removed. These data are shown in Table 4, and have been eliminated from further consideration.

Table 4
No Longer Representative Samples

Location Code	Start Depth (ft)	End Depth (ft)	Analyte	Result	WRW AL	Units
Bowman's Pond, Draft Closeout Report for IHSS Group 700-11 (DOE 2004h)						
Sediment						
10499	0.00	0.50	Aroclor-1254	68000	12400	ug/Kg
10499	0.00	0.50	Benzo(a)pyrene	6400	3490	ug/Kg
10499	0.50	1.60	Aroclor-1254	57000	12400	ug/Kg
CG49-016	0.00	0.50	Aroclor-1254	54000	12400	ug/Kg
CG49-016	0.00	0.50	Benzo(a)pyrene	11000	3490	ug/Kg
CG49-016	0.00	0.50	Dibenz(a,h)anthracene	4000	3490	ug/Kg
CG49-016	0.50	2.50	Aroclor-1254	290000	12400	ug/Kg
CG49-016	0.50	2.50	Benzo(a)pyrene	7200	3490	ug/Kg
SED124	0.00	0.25	Aroclor-1254	19000	12400	ug/Kg
Surface Soil						
CG49-012	0.00	0.50	Aroclor-1254	43000	12400	ug/Kg
Subsurface Soil						
CG49-012	0.50	2.00	Aroclor-1254	20000	12400	ug/Kg
CG49-054	2.00	2.50	Aroclor-1254	23000	12400	ug/Kg
CG49-066	1.00	1.50	Aroclor-1254	14000	12400	ug/Kg
CG49-067	2.00	2.50	Aroclor-1254	190000	12400	ug/Kg
CG49-068	1.00	1.50	Aroclor-1254	23000	12400	ug/Kg
CG49-069	2.50	3.00	Aroclor-1254	250000	12400	ug/Kg
CG49-070	2.50	3.00	Aroclor-1254	1100000	12400	ug/Kg
CG49-071	3.00	3.50	Aroclor-1254	51000	12400	ug/Kg
CG49-077	3.00	3.50	Aroclor-1254	37000	12400	ug/Kg
CG49-081	4.00	4.10	Aroclor-1254	400000	12400	ug/Kg
000-2 OPWL (Tank 207), Notification #03-14 for IHSS Group 000-2 (DOE 2003h) (Closeout Report pending)						
Surface Soil						
CH47-000	0.00	0.50	Plutonium-239/240	73.53	50	pCi/g
CH47-001	0.00	0.50	Plutonium-239/240	289.67	50	pCi/g
Subsurface Soil						

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Location Code	Start Depth (ft)	End Depth (ft)	Analyte	Result	WRW AL	Units
CG47-052	0.00	0.50	Arsenic	29	22.2	mg/Kg
CH47-001	0.50	2.50	Plutonium-239/240	73.986	50	pCi/g
CH47-001	3.50	4.50	Americium-241	102.2	76	pCi/g
CH47-001	3.50	4.50	Plutonium-239/240	582.54	50	pCi/g
CH47-044	0.50	2.50	Americium-241	388	76	pCi/g
CH47-044	0.50	2.50	Plutonium-239/240	99.3	50	pCi/g
IHSS Group 400-8 OPWL, Closeout Report for IHSS Group 400-8 (DOE 2004i)						
Surface Soil						
SS000695	0.00	0.50	Arsenic	34.7	22.2	mg/Kg
SS000695	0.00	0.50	Lead	7810	1000	mg/Kg
SS000795	0.00	0.50	Lead	1410	1000	mg/Kg
IHSS Group 700-6 IHSS 700-137, Closeout Report for IHSS Group 700-6 (DOE 2004j)						
Surface Soil						
CG47-025	0.00	0.50	Arsenic	97	22.2	mg/Kg
Subsurface Soil						
SS801993	0.00	0.25	Arsenic	201	22.2	mg/Kg
SS801993	0.00	0.25	Chromium	309	268	mg/Kg

The analytical program for all retained sample location codes is summarized in Table 5. As can be seen, sediment, surface soil, and subsurface soil samples were analyzed for metals, radionuclides, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, and polychlorinated biphenyls (PCBs). All analytical groups are well represented in each medium, e.g., for sediment where there is the least amount of data, there are over 100 metal and radionuclide results (each), and between 50 and 100 results (each) for VOCs, SVOCs, pesticides, and PCBs.

Tables 6, 7, and 8 summarize the sediment, surface soil, and subsurface soil data, respectively. These tables show analytes that were detected above background. Background levels for inorganic constituents in surface soil are from the Geochemical Characterization of Background Surface Soils: Background Soils Characterization Program (DOE 1995). Background levels for inorganic constituents in sediment and subsurface soil are from the Background Geochemical Characterization Report (DOE 1993). All background values used for comparison are the mean background value plus two standard deviations. Any detection of an organic compound above the Method Detection Limit/Reporting Limit (MDL/RL) is considered an above background level observation.

Figures 2 (a, b, and c), 3 (a, b, and c), and 4 (a, b, and c) show all sediment, surface soil, and subsurface soil sample locations used in this assessment. The sample locations are color-coded to depict relative concentrations of analytes in the analytical groups represented (a – radionuclides; b – metals; and c – organics).

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SEDIMENT AND SURFACE SOIL RFCA ACTION LEVEL COMPARISON

Sediment Assessment

As shown in Table 6 and Figures 2a, 2b, and 2c, there are radionuclides, metals, and organics (principally polynuclear aromatic hydrocarbons (PAHs)) that are above background or the MDL/RL in the sediments. However, the frequency of this occurrence is relatively low (Table 6), and the concentrations are well below the WRW ALs (Figures 2a, 2b, and 2c). PAHs in the sediments are not unusual because the Industrial Area was largely paved with asphalt which contains high concentrations of PAHs. PAHs would be expected in runoff, and thus, in the sediments.

Surface Soil Assessment

As shown in Table 7 and Figures 3a, 3b, and 3c, there are radionuclides, metals, and organics (principally PAHs) that are above background or the MDL/RL in surface soil. Comparing Figures 2 (a-c) and 3 (a-c), concentrations tend to be higher in surface soil than in the sediment, and some concentrations are above the WRW ALs.

Although there are surface soil samples where contaminant concentrations exceed the WRW ALs, previously prepared Data Summary Reports and Closeout Reports indicate removal of the soil via accelerated action at many of these locations is not required. These reports have been approved by the agencies as noted below.

Constituent	Sample Location	Document Addressing Contamination	Regulatory Agency Approval
Arsenic	CJ47-000, CJ47-001, and CJ47-002	Final Closeout Report for IHSS Group 000-1 (DOE 2003i)	CDPHE 2003c
Arsenic	SS801893	Closeout Report for IHSS Group 700-6 (DOE 2004j)	CDPHE 2004i
Arsenic	CN42-020	Closeout Report for IHSS Group 900-1 (DOE 2004l)	CDPHE 2004g
Benzo(a)pyrene	BX37-024	Data Summary Report for 400-4 (DOE 2004n)	CDPHE 2004d
Plutonium-239,240	CJ47-011	Final Closeout Report for IHSS Group 000-1 (DOE 2003i)[1]	CDPHE 2003c

[1] The soil at this location was not removed because the plutonium concentration was not above the Tier I AL as presented in RFCA Attachment 5 dated July 19, 1996. This original version of Attachment 5 provided the ALs to guide accelerated actions at the time IHSS 000-1 was dispositioned. The ALs were not based on a WRW receptor. However, the risk assessment prepared for IHSS Group 000-1, which evaluated the risk to a WRW exposed to contaminants in soil, indicates that the human health risks are acceptable (DOE 2003i). The area has since been graded and covered with 2 feet of soil.

Benzo(a)pyrene is the only compound that exceeds the WRW AL that is present at locations not addressed by Data Summary Reports and Closeout Reports, i.e., the locations are within "white space". These locations are SS807793, SS300493, and CB38-002 (Figure 3c). The benzo(a)pyrene concentrations are in the range of 3,900 to 4,500 ug/kg, and are the same order of magnitude as the WRW AL (3,490 ug/kg). These concentrations are less than the concentration of benzo(a)pyrene at BX37-024 (9,200 ug/kg) in IHSS Group 400-4, where it was determined that an accelerated action was not required as noted in the table above. PAHs in surface soil are not unusual because the Industrial Area was largely paved with asphalt which contains high concentrations of PAHs.

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APPLICATION OF THE SUBSURFACE SOIL RISK SCREEN

As shown in Table 8 and Figures 4a through 4c, there are radionuclides, metals, and organics (principally PAHs) that are above background or the MDL/RL in subsurface soil. The subsurface soil risk screen (RFCA Attachement 5) has been applied to these data.

Screen 1 – Are Contaminant of Concern (COC) Concentrations Below Table 3 Wildlife Refuge Worker (WRW) Soil Action Levels?

No. Arsenic, lead, chromium, benzo(a)pyrene, dibenz(a,h)anthracene, Aroclor 1254, and Aroclor 1260 are above the WRW ALs. However, this occurred at only 12 locations out of well over 200 locations sampled.

Screen 2 – Is there potential for subsurface soil to become surface soil?

No. The locations where radionuclides, metals, and organics exceed the WRW ALs are not in areas prone to landslides as shown in Figure 1 of RFCA Attachment 5.

Screen 3 – Does subsurface soil radiological contamination exceed criteria in Section 5.3 and Attachment 14?

No.

Screen 4 – Is there an environmental pathway and sufficient quantity of COC that would cause exceedance of surface water standards?

No. Although there are soil samples where contaminant concentrations exceed the WRW ALs, previously prepared Data Summary Reports and Closeout Reports indicate the potential for subsurface soil contamination to cause an exceedance of surface water standards is low. These reports have been approved by the agenices as noted below.

Constituent	Sample Location	Document Addressing Contamination	Regulatory Agency Approval
Arsenic	CJ48-004 and CP45-000	Final Closeout Report for IHSS Group 000-1 (DOE 2003i)	CDPHE 2003c
Arsenic	CC44-006	Draft Data Summary Report for IHSS Group 500-1 (DOE 2004k)	CDPHE 2004f
Arsenic	CN42-020	Closeout Report for IHSS Group 900-1 (DOE 2004l)	CDPHE 2004g
Arsenic	CB37-000	Closeout Report for IHSS Group 600-1 (DOE 2003j)	CDPHE 2003d
Arsenic	BZ36-012	Data Summary Report for 400-6 (DOE 2004m)	CDPHE 2004h
Lead	BY37-003	Data Summary Report for 400-3 (DOE 2003e)	CDPHE 2003e
Chromium	41898	Data Summary Report for 400-5 (DOE 2004c)	CDPHE 2004c
Benzo(a)pyrene	CH47-010	Closeout Report for IHSS Group 700-6 (DOE 2004j)	CDPHE 2004i
Benzo(a)pyrene	BY37-030	Data Summary Report for	CDPHE 2004d

Constituent	Sample Location	Document Addressing Contamination	Regulatory Agency Approval
Dibenz(a,h)anthracene		400-4 (DOE 2004n)	
Benzo(a)pyrene Dibenz(a,h)anthracene	BY35-008	Data Summary Report for 400-6 (DOE 2004m)	CDPHE 2004h
Aroclor 1254 Aroclor 1260	CQ40-000	Notification 05-03 for IHSS Group 900-2 (in preparation)	Not Applicable

Erosion of contaminated soil and groundwater transport of contaminants are the two mechanisms by which surface water may become contaminated. Even though CDPHE approved the No Further Accelerated Actions of the above noted IHSS Groups (except 900-2, which is proposed for remediation), erosion and groundwater transport are addressed below.

Erosion

DOE intends to reconfigure the Industrial Area to a stable and more natural state after completion of accelerated actions. Actions to this end include, but are not limited to, general contouring to influence storm water runoff, and removal of storm drains that would no longer be required. Figure 5 shows the planned disposition of the storm drains, i.e., those to be removed, plugged, or retained as functional (Figure 5).[4] As shown in Figure 5, most storm drains will be removed.

Residual contamination at the storm drains is at relatively low levels with respect to the WRW ALs. However, in some areas, radionuclides and metals are at concentrations above background levels. Radionuclides in soil, particularly plutonium and americium, have the greatest potential to adversely impact surface water quality from runoff because of the stringent surface water quality action level (0.15 pCi/l) for the Site. These low-level radionuclide concentrations are not unique to the sediment and soil adjacent to the storm drains, but are present throughout the IA. Removal of this soil is not required because these plutonium and americium concentrations, although elevated above background, are generally one hundred times less than the WRW ALs. Widespread removal of this material is also not advisable to protect surface water quality because the extensive disturbance of soil and sediment over such a large area could, in itself, result in short term water quality impacts from runoff.

D&D activities at the Site often result in unavoidable soil and sediment disturbances. Consequently, the Site uses erosion control measures as an integral part of Site closure to protect watershed resources and water quality. Pursuant to the RFETS Storm Water Pollution Prevention Plan, the Site uses erosion control measures to reduce erosion and protect surface water quality. Temporary sediment control practices implemented at the Site include linear sediment barriers such as silt fencing, straw wattles, or straw bale

[4] Figure 5 shows the current configuration of storm drains at RFETS. This map, like the original 1999 storm drain map for the IHSS (Figure 1), is based on a 1993 site structural storm-water control inventory. However, since 2001, when the first RFETS Storm Water Pollution Prevention Plan (SWPPP) was certified by the Site in accordance with the RFETS' NPDES Permit requirements, an annual Comprehensive Site Compliance Evaluation (CSCE) inspection has been performed. Through the conduct of annual CSCEs, a Storm Water Culvert and Infrastructure database has been prepared that incorporates building walk-down observations and drawing research, new storm drain installation projects, old storm drain removal projects, annual storm drain/ditch maintenance projects, and other inspection information. Figure 5 was prepared using this database.

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barriers. For longer-term erosion control, the Site uses soil stabilization measures to reduce sediment transport from exposed soil surfaces. Areas of soil that are left exposed after demolition are graded and then revegetated with native grasses in accordance with the RFETS Revegetation Plan (K-H 2004). Erosion matting or hydromulch is applied to the seeded soil to temporarily prevent soil movement until the vegetative cover is established. Erosion mats are also applied on slopes to reduce erosion. The rugged coconut fiber increases the longevity of the product, but the product is designed to photo- and bio-degrade over time.

To further ensure application of these erosion control measures, a K-H Erosion Control Management Directive was issued and subsequently followed up with the Site Erosion Control Management Systems guidance document, which identifies specific controls. Because storm drain removal will disturb sediment and soil, many of the erosion control measures will be integrated into the construction design and implemented consistent with the ongoing activity to reduce material transport. Project-specific erosion control measures will be identified in the Work Control Package.

Groundwater

Groundwater in some areas of the IA is contaminated, primarily with VOCs. The Groundwater Interim Measure/Interim Remedial Action (IM/IRA) evaluates accelerated actions for all potential sources of groundwater contamination, including the storm drains.

Action/No Further Accelerated Action Recommendation

PAC 000-505 is proposed for NFAA. There are eight specific contaminant-release areas cited in the description of PAC 000-505. These areas have been or will be characterized/ remediated through the IASAP and ER RSOP. Sediment and surface soil analyte concentrations elsewhere along the storm drain network are mostly at concentrations well below the WRW ALs. The SSRS does not indicate that contaminated subsurface soil should be removed for the protection of human health and water quality. Erosion control measures will be applied as appropriate during storm drain removal activities to mitigate potential short-term impacts to surface water. Ecological effects will be evaluated in the Accelerated Action Ecological Screening Evaluation and the ecological portion of the Sitewide Comprehensive Risk Assessment.

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Table 5 PAC 000-505 Analytical Summary

Sediment			Subsurface Soil			Surface Soil		
Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
10199	4/20/1999	Metals	192	9/25/1992	Metals	292	9/25/1992	Metals
10199	4/20/1999	PCB	192	9/25/1992	Rads	292	9/25/1992	Rads
10199	4/20/1999	Pesticide	192	9/25/1992	VOC	292	9/25/1992	VOC
10199	4/20/1999	Rads	693	6/24/1993	Metals	1495	2/15/1995	Metals
10199	4/20/1999	SVOC	693	6/24/1993	Rads	1495	2/15/1995	PCB
10199	4/20/1999	VOC	693	6/24/1993	VOC	1495	2/15/1995	Pesticide
10299	4/21/1999	Metals	693	6/25/1993	Metals	1495	2/15/1995	Rads
10299	4/21/1999	PCB	693	6/25/1993	Rads	1495	2/15/1995	SVOC
10299	4/21/1999	Pesticide	992	10/2/1992	Metals	1495	2/15/1995	VOC
10299	4/21/1999	Rads	992	10/2/1992	Rads	1595	2/16/1995	Metals
10299	4/21/1999	SVOC	1192	10/2/1992	Metals	1595	2/16/1995	PCB
10299	4/21/1999	VOC	1192	10/2/1992	Rads	1595	2/16/1995	Pesticide
10399	4/21/1999	Metals	1392	10/2/1992	Metals	1595	2/16/1995	Rads
10399	4/21/1999	PCB	1392	10/2/1992	Rads	1595	2/16/1995	SVOC
10399	4/21/1999	Pesticide	1495	3/7/1995	Metals	1595	2/16/1995	VOC
10399	4/21/1999	Rads	1495	3/7/1995	PCB	1695	2/15/1995	Metals
10399	4/21/1999	SVOC	1495	3/7/1995	Pesticide	1695	2/15/1995	PCB
10399	4/21/1999	VOC	1495	3/7/1995	Rads	1695	2/15/1995	Pesticide
10499	4/20/1999	Metals	1495	3/7/1995	SVOC	1695	2/15/1995	Rads
10499	4/20/1999	PCB	1495	3/7/1995	VOC	1695	2/15/1995	SVOC
10499	4/20/1999	Pesticide	1592	10/2/1992	Metals	1695	2/15/1995	VOC
10499	4/20/1999	Rads	1592	10/2/1992	Rads	3495	2/27/1995	Metals
10499	4/20/1999	SVOC	1595	3/2/1995	Metals	3495	2/27/1995	Rads
10499	4/20/1999	VOC	1595	3/2/1995	PCB	3495	2/27/1995	SVOC
10599	4/21/1999	Metals	1595	3/2/1995	Pesticide	3495	2/27/1995	VOC
10599	4/21/1999	PCB	1595	3/2/1995	Rads	13110299	6/16/1999	Metals
10599	4/21/1999	Pesticide	1595	3/2/1995	SVOC	13110299	6/16/1999	PCB
10599	4/21/1999	Rads	1595	3/2/1995	VOC	13110299	6/16/1999	Pesticide
10599	4/21/1999	SVOC	1595	3/3/1995	VOC	13110299	6/16/1999	Rads
10599	4/21/1999	VOC	1695	3/2/1995	Metals	13110299	6/16/1999	SVOC
10599	4/26/1999	Rads	1695	3/2/1995	PCB	13110299	6/16/1999	VOC
10899	4/20/1999	Metals	1695	3/2/1995	Pesticide	13110499	6/16/1999	Metals
10899	4/20/1999	PCB	1695	3/2/1995	Rads	13110499	6/16/1999	PCB
10899	4/20/1999	Pesticide	1695	3/2/1995	SVOC	13110499	6/16/1999	Pesticide
10899	4/20/1999	Rads	1695	3/2/1995	VOC	13110499	6/16/1999	Rads
10899	4/20/1999	SVOC	2491	11/6/1991	VOC	13110499	6/16/1999	SVOC
10899	4/20/1999	VOC	2691	11/12/1991	VOC	13110499	6/16/1999	VOC
11199	4/20/1999	Metals	3495	3/23/1995	Metals	13130199	6/17/1999	Rads
11199	4/20/1999	PCB	3495	3/23/1995	SVOC	13130199	6/17/1999	VOC
11199	4/20/1999	Pesticide	3495	3/23/1995	VOC	13130299	6/17/1999	Rads
11199	4/20/1999	Rads	10197	3/10/1997	Metals	50399	8/16/1999	Rads
11199	4/20/1999	SVOC	10197	3/10/1997	Rads	BV35-001	6/29/2004	Metals
11199	4/20/1999	VOC	10197	3/10/1997	VOC	BV35-001	6/29/2004	Rads

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Sediment			Subsurface Soil			Surface Soil		
Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
11199	4/28/1999	Metals	13090199	6/17/1999	VOC	BW34-002	8/14/2004	Metals
11199	4/28/1999	PCB	13090299	6/17/1999	VOC	BW34-002	8/14/2004	Rads
11199	4/28/1999	Pesticide	13110299	6/16/1999	Metals	BW34-002	8/14/2004	VOC
11199	4/28/1999	Rads	13110299	6/16/1999	PCB	BW34-003	8/14/2004	Metals
11199	4/28/1999	SVOC	13110299	6/16/1999	Pesticide	BW34-003	8/14/2004	Rads
11199	4/28/1999	VOC	13110299	6/16/1999	Rads	BW34-003	8/14/2004	VOC
13090299	6/17/1999	VOC	13110299	6/16/1999	SVOC	BW34-007	8/14/2004	Metals
BZ35-003-01	6/26/2003	Metals	13110299	6/16/1999	VOC	BW34-007	8/14/2004	Rads
BZ35-003-01	6/26/2003	Rads	13110499	6/16/1999	Metals	BW34-007	8/14/2004	VOC
BZ35-003-01	6/26/2003	VOC	13110499	6/16/1999	PCB	BW34-014	8/20/2004	Metals
CG49-006	2/13/2003	Rads	13110499	6/16/1999	Pesticide	BW34-014	8/20/2004	Rads
CG49-015	6/1/2004	Metals	13110499	6/16/1999	Rads	BW34-014	8/20/2004	VOC
CG49-015	6/1/2004	PCB	13110499	6/16/1999	SVOC	BW34-015	8/20/2004	Metals
CG49-015	6/1/2004	Rads	13110499	6/16/1999	VOC	BW34-015	8/20/2004	Rads
CG49-015	6/1/2004	VOC	13130199	6/17/1999	VOC	BW34-015	8/20/2004	VOC
CG49-018	5/24/2004	Metals	13130299	6/17/1999	VOC	BW34-016	8/20/2004	Metals
CG49-018	5/24/2004	PCB	14395	5/19/1995	Metals	BW34-016	8/20/2004	Rads
CG49-018	5/24/2004	Rads	14395	5/19/1995	PCB	BW34-016	8/20/2004	VOC
CG49-018	5/24/2004	SVOC	14395	5/19/1995	Pesticide	BW34-017	8/20/2004	Metals
CG49-018	5/24/2004	VOC	14395	5/19/1995	Rads	BW34-017	8/20/2004	Rads
CG49-021	5/24/2004	Metals	14395	5/19/1995	SVOC	BW34-017	8/20/2004	VOC
CG49-021	5/24/2004	PCB	14395	5/19/1995	VOC	BW35-006	6/21/2004	Metals
CG49-021	5/24/2004	Rads	207B SOIL-S	11/14/2002	Metals	BW35-006	6/21/2004	Rads
CG49-021	5/24/2004	SVOC	207B SOIL-S	11/14/2002	Rads	BW35-009	6/21/2004	Metals
CG49-021	5/24/2004	VOC	207B SOIL-SW	11/14/2002	Metals	BW35-009	6/21/2004	Rads
CH49-017	5/25/2004	Metals	207B SOIL-SW	11/14/2002	Rads	BW35-011	6/29/2004	Metals
CH49-017	5/25/2004	PCB	251196	8/22/1996	VOC	BW35-011	6/29/2004	Rads
CH49-017	5/25/2004	Rads	251296	8/22/1996	VOC	BW35-015	6/29/2004	Metals
CH49-017	5/25/2004	SVOC	32091	8/29/1991	Metals	BW35-015	6/29/2004	Rads
CH49-017	5/25/2004	VOC	32091	8/29/1991	PCB	BW35-028	6/10/2004	Metals
CH49-018	5/25/2004	Metals	32091	8/29/1991	Pesticide	BW35-028	6/10/2004	Rads
CH49-018	5/25/2004	PCB	32091	8/29/1991	Rads	BW35-031	6/23/2004	Metals
CH49-018	5/25/2004	Rads	32091	8/29/1991	SVOC	BW35-031	6/23/2004	Rads
CH49-018	5/25/2004	SVOC	32091	8/29/1991	VOC	BW35-032	7/6/2004	Metals
CH49-018	5/25/2004	VOC	36191	10/3/1991	VOC	BW35-032	7/6/2004	Rads
CH49-019	5/25/2004	Metals	39591	11/20/1991	Metals	BW36-024	1/21/2004	Metals
CH49-019	5/25/2004	PCB	39591	11/20/1991	Rads	BW36-024	1/21/2004	Rads
CH49-019	5/25/2004	Rads	39591	11/20/1991	VOC	BW36-027	6/16/2004	Metals
CH49-019	5/25/2004	SVOC	39591	12/14/1991	Metals	BW36-027	6/16/2004	Rads
CH49-019	5/25/2004	VOC	39591	12/14/1991	Rads	BW36-028	6/16/2004	Metals
CH49-025	6/2/2004	Metals	39591	12/14/1991	VOC	BW36-028	6/16/2004	Rads
CH49-025	6/2/2004	PCB	41198	5/12/1998	Metals	BW36-031	1/20/2004	Metals
CH49-025	6/2/2004	Rads	41198	5/12/1998	Rads	BW36-031	1/20/2004	Rads
CH49-025	6/2/2004	SVOC	41198	5/12/1998	VOC	BW36-033	1/21/2004	Metals
CH49-025	6/2/2004	VOC	41898	5/18/1998	Metals	BW36-033	1/21/2004	Rads

Sediment			Subsurface Soil			Surface Soil		
Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
CI38-022	5/29/2002	Metals	41898	5/18/1998	Rads	BW36-034	12/3/2003	Metals
CI38-022	5/29/2002	Rads	41898	5/18/1998	VOC	BW36-034	12/3/2003	Rads
CJ41-004	9/16/2004	Metals	43192	4/14/1992	Metals	BW36-036	6/16/2004	Metals
CJ41-004	9/16/2004	PCB	43192	4/14/1992	Rads	BW36-036	6/16/2004	Rads
CJ41-004	9/16/2004	Rads	43192	4/14/1992	VOC	BW36-039	1/21/2004	Metals
CJ41-004	9/16/2004	SVOC	43792	4/30/1992	Metals	BW36-039	1/21/2004	Rads
CJ41-004	9/16/2004	VOC	43792	4/30/1992	Rads	BW38-001	5/19/2003	Metals
CJ42-006	9/16/2004	Metals	43792	4/30/1992	VOC	BW38-001	5/19/2003	PCB
CJ42-006	9/16/2004	PCB	43892	5/26/1992	Metals	BW38-001	5/19/2003	Rads
CJ42-006	9/16/2004	Rads	43892	5/26/1992	Rads	BW38-001	5/19/2003	SVOC
CJ42-006	9/16/2004	SVOC	43892	5/26/1992	VOC	BW38-001	5/19/2003	VOC
CJ42-006	9/16/2004	VOC	43992	5/18/1992	Metals	BW38-001	5/19/2003	WQP
CJ42-007	9/16/2004	Metals	43992	5/18/1992	Rads	BW38-002	5/19/2003	Metals
CJ42-007	9/16/2004	PCB	43992	5/18/1992	VOC	BW38-002	5/19/2003	PCB
CJ42-007	9/16/2004	Rads	43992	5/19/1992	Metals	BW38-002	5/19/2003	Rads
CJ42-007	9/16/2004	SVOC	43992	5/19/1992	Rads	BW38-002	5/19/2003	SVOC
CJ42-007	9/16/2004	VOC	43992	5/19/1992	VOC	BW38-002	5/19/2003	VOC
CJ42-008	9/16/2004	Metals	43992	5/26/1992	VOC	BW38-002	5/19/2003	WQP
CJ42-008	9/16/2004	PCB	43992	5/29/1992	VOC	BW42-000	9/5/2002	Rads
CJ42-008	9/16/2004	Rads	50399	8/16/1999	Metals	BW42-000	9/5/2002	SVOC
CJ42-008	9/16/2004	SVOC	50399	8/16/1999	Rads	BW42-000	9/5/2002	VOC
CJ42-008	9/16/2004	VOC	50399	8/16/1999	VOC	BW42-004	9/5/2002	Metals
CJ43-009	9/16/2004	Metals	50399	8/17/1999	Rads	BW42-004	9/5/2002	Rads
CJ43-009	9/16/2004	PCB	50399	8/18/1999	Metals	BW42-005	9/5/2002	Metals
CJ43-009	9/16/2004	Rads	50399	8/18/1999	Rads	BW42-005	9/5/2002	Rads
CJ43-009	9/16/2004	SVOC	50399	8/18/1999	VOC	BX34-002	8/14/2004	Metals
CJ43-009	9/16/2004	VOC	60092	2/4/1993	Metals	BX34-002	8/14/2004	Rads
CJ43-010	9/16/2004	Metals	60092	2/4/1993	PCB	BX34-002	8/14/2004	VOC
CJ43-010	9/16/2004	PCB	60092	2/4/1993	Pesticide	BX34-008	8/20/2004	Metals
CJ43-010	9/16/2004	Rads	60092	2/4/1993	Rads	BX34-008	8/20/2004	Rads
CJ43-010	9/16/2004	SVOC	60092	2/4/1993	SVOC	BX34-008	8/20/2004	VOC
CJ43-010	9/16/2004	VOC	60092	2/4/1993	VOC	BX35-005	6/23/2004	Metals
CJ43-011	9/28/2004	Metals	60092	2/4/1993	WQP	BX35-005	6/23/2004	Rads
CJ43-011	9/28/2004	PCB	60292	2/3/1993	Metals	BX35-007	6/24/2004	Metals
CJ43-011	9/28/2004	Rads	60292	2/3/1993	PCB	BX35-007	6/24/2004	Pesticide
CJ43-011	9/28/2004	SVOC	60292	2/3/1993	Pesticide	BX35-007	6/24/2004	Rads
CJ43-011	9/28/2004	VOC	60292	2/3/1993	Rads	BX35-011	6/22/2004	Metals
CM37-031	2/6/2003	Metals	60292	2/3/1993	SVOC	BX35-011	6/22/2004	Pesticide
CM37-031	2/6/2003	Rads	60292	2/3/1993	VOC	BX35-011	6/22/2004	Rads
CM37-031	2/6/2003	VOC	60292	2/3/1993	WQP	BX35-019	6/7/2004	Metals
CM37-031	2/6/2003	WQP	60392	2/3/1993	Metals	BX35-019	6/7/2004	Rads
CM37-032	2/6/2003	Metals	60392	2/3/1993	PCB	BX36-019	7/6/2004	Metals
CM37-032	2/6/2003	Rads	60392	2/3/1993	Pesticide	BX36-019	7/6/2004	Rads
CM37-032	2/6/2003	VOC	60392	2/3/1993	Rads	BX37-024	5/17/2004	Metals
CM37-032	2/6/2003	WQP	60392	2/3/1993	SVOC	BX37-024	5/17/2004	Rads

Sediment			Subsurface Soil			Surface Soil		
Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
CM42-012	6/3/2003	Metals	60392	2/3/1993	VOC	BX37-024	5/17/2004	SVOC
CM42-012	6/3/2003	Rads	60392	2/3/1993	WQP	BX37-024	5/17/2004	VOC
CN37-012	2/10/2003	Metals	60492	2/2/1993	Metals	BX38-010	7/29/2003	Metals
CN37-012	2/10/2003	Rads	60492	2/2/1993	PCB	BX38-010	7/29/2003	Rads
CN37-012	2/10/2003	VOC	60492	2/2/1993	Pesticide	BX39-001	6/18/2002	Metals
CN37-012	2/10/2003	WQP	60492	2/2/1993	Rads	BX39-001	6/18/2002	Rads
CN38-016	2/6/2003	Metals	60492	2/2/1993	SVOC	BX39-001	6/18/2002	SVOC
CN38-016	2/6/2003	Rads	60492	2/2/1993	VOC	BX39-001	6/18/2002	VOC
CN38-016	2/6/2003	VOC	60492	2/2/1993	WQP	BX39-005	7/10/2002	Metals
CN38-016	2/6/2003	WQP	7090101	4/19/2001	Metals	BX39-005	7/10/2002	Rads
CN38-017	2/6/2003	Metals	7090101	4/19/2001	PCB	BX39-005	7/10/2002	SVOC
CN38-017	2/6/2003	Rads	7090101	4/19/2001	Rads	BX39-005	7/10/2002	VOC
CN38-017	2/6/2003	VOC	7090101	4/19/2001	VOC	BX39-009	6/18/2002	Metals
CN38-017	2/6/2003	WQP	7090501	4/19/2001	Metals	BX39-009	6/18/2002	Rads
CN41-000	6/3/2003	Metals	7090501	4/19/2001	PCB	BX39-009	6/18/2002	SVOC
CN41-000	6/3/2003	Rads	7090501	4/19/2001	Rads	BX39-009	6/18/2002	VOC
CP46-000	11/12/2002	Metals	7090501	4/19/2001	VOC	BX39-010	7/18/2002	Metals
CP46-000	11/12/2002	Rads	77492	2/8/1993	Metals	BX39-010	7/18/2002	Rads
CP46-000	11/12/2002	SVOC	77492	2/8/1993	PCB	BX39-010	7/18/2002	SVOC
CP46-000	11/12/2002	VOC	77492	2/8/1993	Pesticide	BX39-010	7/18/2002	VOC
SED0010101	1/23/2001	Metals	77492	2/8/1993	Rads	BY35-001-01	7/8/2003	Metals
SED0010101	1/23/2001	Rads	77492	2/8/1993	SVOC	BY35-001-01	7/8/2003	Rads
SED0010101	1/23/2001	VOC	77492	2/8/1993	VOC	BY35-002-01	7/8/2003	Metals
SED0010400	6/20/2000	Rads	77492	2/8/1993	WQP	BY35-002-01	7/8/2003	Rads
SED001900	9/26/2000	Metals	84802	1/21/2002	Metals	BY35-007	6/10/2004	Metals
SED001900	9/26/2000	Rads	84802	1/21/2002	Rads	BY35-007	6/10/2004	Rads
SED001900	9/26/2000	SVOC	84802	1/21/2002	VOC	BY35-008	5/20/2004	Metals
SED001900	9/26/2000	VOC	AB192	6/23/1992	Metals	BY35-008	5/20/2004	PCB
SED0020101	1/23/2001	Metals	AB192	6/23/1992	SVOC	BY35-008	5/20/2004	Pesticide
SED0020101	1/23/2001	Rads	AB192	6/23/1992	VOC	BY35-008	5/20/2004	Rads
SED0020101	1/23/2001	VOC	AB192	6/23/1992	WQP	BY35-008	5/20/2004	SVOC
SED0020400	6/20/2000	Rads	AB192	6/24/1992	Metals	BY35-008	5/20/2004	VOC
SED002900	9/26/2000	Metals	AB192	6/24/1992	VOC	BY35-008	5/20/2004	WQP
SED002900	9/26/2000	Rads	AB192	6/24/1992	WQP	BY35-011	6/10/2004	Metals
SED002900	9/26/2000	SVOC	B9920102	10/17/2002	Metals	BY35-011	6/10/2004	Rads
SED002900	9/26/2000	VOC	B9920102	10/17/2002	Rads	BY35-012	5/20/2004	Metals
SED0030101	1/23/2001	Metals	B9920102	10/17/2002	VOC	BY35-012	5/20/2004	PCB
SED0030101	1/23/2001	Rads	BH9904	6/11/1999	Metals	BY35-012	5/20/2004	Pesticide
SED0030101	1/23/2001	VOC	BH9904	6/11/1999	Rads	BY35-012	5/20/2004	Rads
SED0030400	6/20/2000	Rads	BH9904	6/11/1999	VOC	BY35-012	5/20/2004	SVOC
SED003900	9/26/2000	Metals	BH9905	6/11/1999	Metals	BY35-012	5/20/2004	VOC
SED003900	9/26/2000	Rads	BH9905	6/11/1999	Rads	BY35-012	5/20/2004	WQP
SED003900	9/26/2000	SVOC	BH9905	6/11/1999	VOC	BY35-023	6/14/2004	Metals
SED003900	9/26/2000	VOC	BH9906	6/11/1999	Metals	BY35-023	6/14/2004	Rads
SED0040101	1/23/2001	Metals	BH9906	6/11/1999	Rads	BY35-026	6/8/2004	Metals

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Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
SED0040101	1/23/2001	Rads	BH9906	6/11/1999	VOC	BY35-026	6/8/2004	Rads
SED0040101	1/23/2001	VOC	BV35-001	6/29/2004	Metals	BY37-018	6/1/2004	Metals
SED0040400	6/20/2000	Rads	BV35-001	6/29/2004	Rads	BY37-018	6/1/2004	Rads
SED004900	9/26/2000	Metals	BV35-001	6/29/2004	VOC	BY37-019	6/1/2004	Metals
SED004900	9/26/2000	Rads	BV38-003	12/19/2003	Metals	BY37-019	6/1/2004	Rads
SED004900	9/26/2000	SVOC	BV38-003	12/19/2003	SVOC	BY37-022	5/21/2004	Metals
SED004900	9/26/2000	VOC	BV38-003	12/19/2003	VOC	BY37-022	5/21/2004	Rads
SED0050101	1/23/2001	Metals	BV38-003	12/19/2003	WQP	BY37-027	10/23/2003	Metals
SED0050101	1/23/2001	Rads	BV38-004	12/19/2003	Metals	BY38-001	7/10/2002	Metals
SED0050101	1/23/2001	VOC	BV38-004	12/19/2003	SVOC	BY38-001	7/10/2002	Rads
SED0050400	6/20/2000	Rads	BV38-004	12/19/2003	VOC	BY38-001	7/10/2002	SVOC
SED005900	9/26/2000	Metals	BV38-004	12/19/2003	WQP	BY38-001	7/10/2002	VOC
SED005900	9/26/2000	Rads	BV38-012	12/19/2003	Metals	BY38-007	7/15/2002	Metals
SED005900	9/26/2000	SVOC	BV38-012	12/19/2003	Rads	BY38-007	7/15/2002	Rads
SED005900	9/26/2000	VOC	BV38-012	12/19/2003	SVOC	BY38-007	7/15/2002	SVOC
SED0060101	1/23/2001	Metals	BV38-012	12/19/2003	VOC	BY38-007	7/15/2002	VOC
SED0060101	1/23/2001	Rads	BV38-013	12/19/2003	Metals	BY39-005	6/26/2002	Metals
SED0060101	1/23/2001	VOC	BV38-013	12/19/2003	Rads	BY39-005	6/26/2002	Rads
SED0060400	6/20/2000	Rads	BV38-013	12/19/2003	SVOC	BY39-005	6/26/2002	SVOC
SED0070101	1/23/2001	Metals	BV38-013	12/19/2003	VOC	BY39-005	6/26/2002	VOC
SED0070101	1/23/2001	Rads	BV38-014	9/1/2004	Metals	BY39-006	6/19/2002	Metals
SED0070101	1/23/2001	VOC	BV38-014	9/1/2004	Rads	BY39-006	6/19/2002	Rads
SED0070400	6/20/2000	Rads	BV38-014	9/1/2004	VOC	BY39-006	6/19/2002	SVOC
SED0080400	6/20/2000	Rads	BW34-003	8/14/2004	Metals	BY39-006	6/19/2002	VOC
SED009	8/27/1991	Metals	BW34-003	8/14/2004	Rads	BY39-007	6/19/2002	Metals
SED009	8/27/1991	PCB	BW34-003	8/14/2004	VOC	BY39-007	6/19/2002	Rads
SED009	8/27/1991	Pesticide	BW34-007	8/14/2004	Metals	BY39-007	6/19/2002	SVOC
SED009	8/27/1991	Rads	BW34-007	8/14/2004	Rads	BY39-007	6/19/2002	VOC
SED009	8/27/1991	SVOC	BW34-007	8/14/2004	VOC	BY44-003	10/8/2004	Metals
SED009	8/27/1991	VOC	BW34-014	8/20/2004	Metals	BY44-003	10/8/2004	Rads
SED009	12/3/1991	Metals	BW34-014	8/20/2004	Rads	BY45-006	2/20/2003	Metals
SED009	12/3/1991	PCB	BW34-014	8/20/2004	VOC	BY45-006	2/20/2003	Rads
SED009	12/3/1991	Pesticide	BW34-015	8/20/2004	Metals	BY45-006	2/20/2003	SVOC
SED009	12/3/1991	Rads	BW34-015	8/20/2004	Rads	BY45-006	2/20/2003	VOC
SED009	12/3/1991	SVOC	BW34-015	8/20/2004	VOC	BZ35-011-01	7/9/2003	Metals
SED009	12/3/1991	VOC	BW34-016	8/20/2004	Metals	BZ35-011-01	7/9/2003	Rads
SED009	2/26/1992	Metals	BW34-016	8/20/2004	Rads	BZ35-011-01	7/9/2003	VOC
SED009	2/26/1992	PCB	BW34-016	8/20/2004	VOC	BZ36-000-01	6/25/2003	Metals
SED009	2/26/1992	Pesticide	BW34-017	8/20/2004	Metals	BZ36-000-01	6/25/2003	Rads
SED009	2/26/1992	Rads	BW34-017	8/20/2004	Rads	BZ36-002	6/25/2003	Metals
SED009	2/26/1992	SVOC	BW34-017	8/20/2004	VOC	BZ36-002	6/25/2003	Rads
SED009	2/26/1992	VOC	BW35-006	6/21/2004	Metals	BZ36-012	5/14/2004	Metals
SED0090400	6/20/2000	Rads	BW35-006	6/21/2004	Rads	BZ36-012	5/14/2004	Rads
SED0100400	6/20/2000	Rads	BW35-006	6/21/2004	VOC	BZ36-016	5/17/2004	Metals
SED011	9/3/1991	Metals	BW35-009	6/21/2004	Metals	BZ36-016	5/17/2004	Rads

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Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
SED011	9/3/1991	PCB	BW35-009	6/21/2004	Rads	BZ36-020	5/19/2004	Metals
SED011	9/3/1991	Pesticide	BW35-009	6/21/2004	VOC	BZ36-020	5/19/2004	Rads
SED011	9/3/1991	Rads	BW35-011	6/29/2004	Metals	BZ36-024	5/18/2004	Metals
SED011	9/3/1991	SVOC	BW35-011	6/29/2004	Rads	BZ36-024	5/18/2004	Rads
SED011	9/3/1991	VOC	BW35-011	6/29/2004	VOC	BZ37-000	6/25/2003	Metals
SED011	12/3/1991	Metals	BW35-015	6/29/2004	Metals	BZ37-000	6/25/2003	Rads
SED011	12/3/1991	PCB	BW35-015	6/29/2004	Rads	BZ37-001	6/25/2003	Metals
SED011	12/3/1991	Pesticide	BW35-015	6/29/2004	VOC	BZ37-001	6/25/2003	Rads
SED011	12/3/1991	Rads	BW35-028	6/10/2004	Metals	BZ37-004	5/19/2004	Metals
SED011	12/3/1991	SVOC	BW35-028	6/10/2004	Rads	BZ37-004	5/19/2004	Rads
SED011	12/3/1991	VOC	BW35-028	6/10/2004	VOC	BZ37-011	6/3/2004	Metals
SED011	3/5/1992	Metals	BW35-031	6/23/2004	Metals	BZ37-011	6/3/2004	Rads
SED011	3/5/1992	PCB	BW35-031	6/23/2004	Rads	BZ37-014	5/17/2004	Metals
SED011	3/5/1992	Pesticide	BW35-031	6/23/2004	VOC	BZ37-014	5/17/2004	Rads
SED011	3/5/1992	Rads	BW35-032	7/6/2004	Metals	BZ37-018	5/14/2004	Metals
SED011	3/5/1992	SVOC	BW35-032	7/6/2004	Rads	BZ37-018	5/14/2004	Rads
SED011	3/5/1992	VOC	BW35-032	7/6/2004	VOC	BZ37-019	5/18/2004	Metals
SED011	4/28/1992	Metals	BW36-000	7/16/2003	Metals	BZ37-019	5/18/2004	Rads
SED011	4/28/1992	PCB	BW36-000	7/16/2003	Rads	BZ37-022	5/17/2004	Metals
SED011	4/28/1992	Pesticide	BW36-001	7/16/2003	Metals	BZ37-022	5/17/2004	Rads
SED011	4/28/1992	Rads	BW36-001	7/16/2003	Rads	BZ37-022	5/17/2004	SVOC
SED011	4/28/1992	SVOC	BW36-002	7/15/2003	Metals	BZ37-022	5/17/2004	VOC
SED011	4/28/1992	VOC	BW36-002	7/15/2003	Rads	BZ42-002	8/13/2002	Metals
SED011	8/26/1992	Metals	BW36-002	7/15/2003	VOC	BZ42-002	8/13/2002	PCB
SED011	8/26/1992	PCB	BW36-004	7/16/2003	Metals	BZ42-002	8/13/2002	Rads
SED011	8/26/1992	Pesticide	BW36-004	7/16/2003	Rads	BZ42-002	8/13/2002	SVOC
SED011	8/26/1992	Rads	BW36-004	7/16/2003	VOC	BZ42-002	8/13/2002	VOC
SED011	8/26/1992	SVOC	BW36-009	7/17/2003	Metals	BZ42-002	5/22/2003	Rads
SED011	8/26/1992	VOC	BW36-009	7/17/2003	Rads	BZ42-003	8/13/2002	Metals
SED011	6/20/2000	Rads	BW36-009	7/17/2003	VOC	BZ42-003	8/13/2002	PCB
SED0110400	6/20/2000	Rads	BW36-012	7/16/2003	Metals	BZ42-003	8/13/2002	Rads
SED0120400	6/20/2000	Rads	BW36-012	7/16/2003	Rads	BZ42-003	8/13/2002	SVOC
SED0130400	6/20/2000	Rads	BW36-013	7/16/2003	Metals	BZ42-003	8/13/2002	VOC
SED0140400	6/20/2000	Rads	BW36-013	7/16/2003	Rads	CA38-004-01	8/13/2004	Metals
SED0150400	6/20/2000	Rads	BW36-024	1/21/2004	Metals	CA38-004-01	8/13/2004	Rads
SED0220400	6/20/2000	Metals	BW36-024	1/21/2004	Rads	CA38-023	4/14/2004	Metals
SED0220400	6/20/2000	Rads	BW36-024	1/21/2004	VOC	CA38-023	4/14/2004	Rads
SED0250400	6/20/2000	Rads	BW36-027	6/16/2004	Metals	CA38-023	4/14/2004	SVOC
SED0270400	6/20/2000	Rads	BW36-027	6/16/2004	Rads	CA38-023	4/14/2004	VOC
SED0320400	6/20/2000	Rads	BW36-027	6/16/2004	VOC	CA38-025	4/14/2004	Metals
SED0330400	6/20/2000	Rads	BW36-028	6/16/2004	Metals	CA38-025	4/14/2004	Rads
SED0340400	6/20/2000	Rads	BW36-028	6/16/2004	Rads	CA38-025	4/14/2004	SVOC
SED0350400	6/20/2000	Rads	BW36-028	6/16/2004	VOC	CA38-025	4/14/2004	VOC
SED03895	3/2/1995	Metals	BW36-031	1/20/2004	Metals	CA39-013	8/1/2002	Metals
SED03895	3/2/1995	PCB	BW36-031	1/20/2004	Rads	CA39-013	8/1/2002	Rads

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Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
SED03895	3/2/1995	Pesticide	BW36-031	1/20/2004	VOC	CA39-013	8/1/2002	SVOC
SED03895	3/2/1995	Rads	BW36-033	1/21/2004	Metals	CA39-013	8/1/2002	VOC
SED03895	3/2/1995	SVOC	BW36-033	1/21/2004	Rads	CA42-002	2/25/2004	Metals
SED03895	3/2/1995	VOC	BW36-033	1/21/2004	VOC	CA42-002	2/25/2004	Rads
SED03895	3/2/1995	WQP	BW36-034	12/3/2003	Metals	CB35-000	8/24/2004	Metals
SED0390400	6/20/2000	Rads	BW36-034	12/3/2003	Rads	CB35-000	8/24/2004	Rads
SED03995	3/15/1995	Metals	BW36-034	12/3/2003	VOC	CB35-004	8/13/2004	Metals
SED03995	3/15/1995	PCB	BW36-036	6/16/2004	Metals	CB35-004	8/13/2004	Rads
SED03995	3/15/1995	Pesticide	BW36-036	6/16/2004	Rads	CB36-000	7/8/2004	Metals
SED03995	3/15/1995	Rads	BW36-036	6/16/2004	VOC	CB36-000	7/8/2004	Rads
SED03995	3/15/1995	SVOC	BW36-039	1/21/2004	Metals	CB36-004	7/13/2004	Metals
SED03995	3/15/1995	VOC	BW36-039	1/21/2004	Rads	CB36-004	7/13/2004	Rads
SED03995	3/15/1995	WQP	BW36-039	1/21/2004	VOC	CB36-005	7/13/2004	Metals
SED0410400	6/20/2000	Rads	BW36-040	6/10/2004	VOC	CB36-005	7/13/2004	Rads
SED0430400	6/20/2000	Rads	BW38-001	5/19/2003	Metals	CB36-009	7/12/2004	Metals
SED04395	2/27/1995	Metals	BW38-001	5/19/2003	PCB	CB36-009	7/12/2004	Rads
SED04395	2/27/1995	PCB	BW38-001	5/19/2003	Rads	CB36-013	7/12/2004	Metals
SED04395	2/27/1995	Pesticide	BW38-001	5/19/2003	SVOC	CB36-013	7/12/2004	Rads
SED04395	2/27/1995	Rads	BW38-001	5/19/2003	VOC	CB36-015	8/24/2004	Metals
SED04395	2/27/1995	SVOC	BW38-001	5/19/2003	WQP	CB36-015	8/24/2004	Rads
SED04395	2/27/1995	VOC	BW38-002	5/19/2003	Metals	CB36-017	7/12/2004	Metals
SED04395	2/27/1995	WQP	BW38-002	5/19/2003	PCB	CB36-017	7/12/2004	Rads
SED04492	6/5/1992	Metals	BW38-002	5/19/2003	Rads	CB36-019	8/24/2004	Metals
SED04492	6/5/1992	Rads	BW38-002	5/19/2003	SVOC	CB36-019	8/24/2004	Rads
SED06695	2/22/1995	Metals	BW38-002	5/19/2003	VOC	CB37-000	7/13/2004	Metals
SED06695	2/22/1995	PCB	BW38-002	5/19/2003	WQP	CB37-000	7/13/2004	Rads
SED06695	2/22/1995	Pesticide	BW38-005	9/15/2003	Metals	CB37-001	8/5/2002	Rads
SED06695	2/22/1995	Rads	BW38-005	9/15/2003	Rads	CB37-001	8/5/2002	SVOC
SED06695	2/22/1995	SVOC	BW38-005	9/15/2003	VOC	CB37-001	8/5/2002	VOC
SED06695	2/22/1995	VOC	BW38-008	4/28/2004	Metals	CB37-003	8/6/2002	Rads
SED06695	2/22/1995	WQP	BW38-008	4/28/2004	Rads	CB37-003	8/6/2002	SVOC
SED06995	3/3/1995	Metals	BW38-008	4/28/2004	VOC	CB37-003	8/6/2002	VOC
SED06995	3/3/1995	PCB	BW42-000	9/5/2002	Rads	CB37-004-01	7/8/2004	Metals
SED06995	3/3/1995	Pesticide	BW42-000	9/5/2002	SVOC	CB37-004-01	7/8/2004	Rads
SED06995	3/3/1995	Rads	BW42-000	9/5/2002	VOC	CB37-006	8/12/2002	Rads
SED06995	3/3/1995	SVOC	BW42-021	4/24/2003	Metals	CB37-006	8/12/2002	SVOC
SED06995	3/3/1995	VOC	BW42-021	4/24/2003	Rads	CB37-006	8/12/2002	VOC
SED06995	3/3/1995	WQP	BW42-022	4/24/2003	Metals	CB37-008-01	7/8/2004	Metals
SED07195	3/15/1995	Metals	BW42-022	4/24/2003	Rads	CB37-008-01	7/8/2004	Rads
SED07195	3/15/1995	PCB	BX34-002	8/14/2004	Metals	CB37-009	8/12/2002	Rads
SED07195	3/15/1995	Pesticide	BX34-002	8/14/2004	Rads	CB37-009	8/12/2002	SVOC
SED07195	3/15/1995	Rads	BX34-002	8/14/2004	VOC	CB37-009	8/12/2002	VOC
SED07195	3/15/1995	SVOC	BX34-008	8/20/2004	Metals	CB37-009	5/21/2003	Rads
SED07195	3/15/1995	VOC	BX34-008	8/20/2004	Rads	CB37-009-01	7/8/2004	Metals
SED07195	3/15/1995	WQP	BX34-008	8/20/2004	VOC	CB37-009-01	7/8/2004	Rads

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Sediment			Subsurface Soil			Surface Soil		
Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
SED10101	2/7/2001	Rads	BX35-003	6/16/2003	Metals	CB37-013	7/8/2004	Metals
SED117	8/13/1991	Metals	BX35-003	6/16/2003	Rads	CB37-013	7/8/2004	Rads
SED117	8/13/1991	PCB	BX35-003	6/16/2003	VOC	CB37-015	7/14/2004	Metals
SED117	8/13/1991	Pesticide	BX35-005	6/23/2004	Metals	CB37-015	7/14/2004	Rads
SED117	8/13/1991	Rads	BX35-005	6/23/2004	Rads	CB37-019	7/8/2004	Metals
SED117	8/13/1991	SVOC	BX35-005	6/23/2004	VOC	CB37-019	7/8/2004	Rads
SED117	8/13/1991	VOC	BX35-007	6/24/2004	Metals	CB38-002	8/6/2002	Rads
SED117	12/4/1991	Metals	BX35-007	6/24/2004	Pesticide	CB38-002	8/6/2002	SVOC
SED117	12/4/1991	PCB	BX35-007	6/24/2004	Rads	CB38-002	8/6/2002	VOC
SED117	12/4/1991	Pesticide	BX35-007	6/24/2004	VOC	CB38-012	4/14/2004	Metals
SED117	12/4/1991	Rads	BX35-011	6/22/2004	Metals	CB38-012	4/14/2004	Rads
SED117	12/4/1991	SVOC	BX35-011	6/22/2004	Pesticide	CB38-012	4/14/2004	SVOC
SED117	12/4/1991	VOC	BX35-011	6/22/2004	Rads	CB38-012	4/14/2004	VOC
SED117	2/27/1992	Metals	BX35-011	6/22/2004	VOC	CB39-007	4/14/2004	Metals
SED117	2/27/1992	PCB	BX35-019	6/7/2004	Metals	CB39-007	4/14/2004	Rads
SED117	2/27/1992	Pesticide	BX35-019	6/7/2004	Rads	CB39-007	4/14/2004	SVOC
SED117	2/27/1992	Rads	BX35-019	6/7/2004	VOC	CB39-007	4/14/2004	VOC
SED117	2/27/1992	SVOC	BX36-001	7/9/2003	Metals	CB39-008	4/14/2004	Metals
SED117	2/27/1992	VOC	BX36-001	7/9/2003	Rads	CB39-008	4/14/2004	Rads
SED118	8/13/1991	Metals	BX36-001	7/9/2003	VOC	CB39-008	4/14/2004	SVOC
SED118	8/13/1991	PCB	BX36-004	7/15/2003	Metals	CB39-008	4/14/2004	VOC
SED118	8/13/1991	Pesticide	BX36-004	7/15/2003	Rads	CB40-001	1/30/2004	Metals
SED118	8/13/1991	Rads	BX36-004	7/15/2003	VOC	CB40-001	1/30/2004	Rads
SED118	8/13/1991	SVOC	BX36-007	7/15/2003	Metals	CB40-011	2/2/2004	Metals
SED118	8/13/1991	VOC	BX36-007	7/15/2003	Rads	CB40-011	2/2/2004	Rads
SED118	12/4/1991	Metals	BX36-007	7/15/2003	VOC	CB41-001	2/19/2004	Metals
SED118	12/4/1991	PCB	BX36-015	6/30/2003	Metals	CB41-001	2/19/2004	Rads
SED118	12/4/1991	Pesticide	BX36-015	6/30/2003	Rads	CB41-004	2/25/2004	Metals
SED118	12/4/1991	Rads	BX36-015	6/30/2003	VOC	CB41-004	2/25/2004	Rads
SED118	12/4/1991	SVOC	BX36-019	7/6/2004	Metals	CB42-000	2/25/2004	Metals
SED118	12/4/1991	VOC	BX36-019	7/6/2004	Rads	CB42-000	2/25/2004	Rads
SED118	2/27/1992	Metals	BX36-019	7/6/2004	VOC	CB44-009	3/25/2004	Metals
SED118	2/27/1992	PCB	BX36-020	6/10/2004	VOC	CB44-009	3/25/2004	PCB
SED118	2/27/1992	Pesticide	BX38-007	7/30/2003	Metals	CB44-009	3/25/2004	Rads
SED118	2/27/1992	Rads	BX38-007	7/30/2003	Rads	CC42-023	4/8/2004	Metals
SED118	2/27/1992	SVOC	BX38-007	7/30/2003	SVOC	CC42-023	4/8/2004	PCB
SED118	2/27/1992	VOC	BX38-007	7/30/2003	VOC	CC42-023	4/8/2004	Rads
SED118	11/18/2004	Rads	BX38-010	7/29/2003	Metals	CC43-003	4/19/2004	Metals
SED120	8/20/1991	Metals	BX38-010	7/29/2003	Rads	CC43-003	4/19/2004	PCB
SED120	8/20/1991	PCB	BX38-010	7/29/2003	VOC	CC43-003	4/19/2004	Rads
SED120	8/20/1991	Pesticide	BX38-018	7/31/2003	Rads	CC43-009	11/19/2003	Metals
SED120	8/20/1991	Rads	BX38-018	7/31/2003	VOC	CC43-009	11/19/2003	PCB
SED120	8/20/1991	SVOC	BX38-037	8/31/2004	Metals	CC43-009	11/19/2003	Rads
SED120	8/20/1991	VOC	BX38-037	8/31/2004	Rads	CC43-010	11/18/2003	Metals
SED125	8/14/1991	Metals	BX38-037	8/31/2004	VOC	CC43-010	11/18/2003	PCB

Sediment			Subsurface Soil			Surface Soil		
Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
SED125	8/14/1991	PCB	BX38-042	7/27/2004	Rads	CC43-010	11/18/2003	Rads
SED125	8/14/1991	Pesticide	BX38-057	10/12/2004	Metals	CC43-014	11/18/2003	Metals
SED125	8/14/1991	Rads	BX38-057	10/12/2004	Rads	CC43-014	11/18/2003	PCB
SED125	8/14/1991	SVOC	BX38-057	10/12/2004	VOC	CC43-014	11/18/2003	Rads
SED125	8/14/1991	VOC	BX39-001	6/18/2002	Metals	CC43-018	11/18/2003	Metals
SED20193	5/31/1994	Metals	BX39-001	6/18/2002	Rads	CC43-018	11/18/2003	PCB
SED20193	5/31/1994	PCB	BX39-001	6/18/2002	SVOC	CC43-018	11/18/2003	Rads
SED20193	5/31/1994	Rads	BX39-001	6/18/2002	VOC	CC43-022	11/18/2003	Metals
SED20193	5/31/1994	VOC	BX39-005	7/10/2002	Metals	CC43-022	11/18/2003	PCB
SED20293	5/31/1994	Metals	BX39-005	7/10/2002	Rads	CC43-022	11/18/2003	Rads
SED20293	5/31/1994	PCB	BX39-005	7/10/2002	SVOC	CC44-003	8/9/2004	Metals
SED20293	5/31/1994	Rads	BX39-005	7/10/2002	VOC	CC44-003	8/9/2004	Rads
SED20393	5/19/1994	Metals	BX39-009	6/18/2002	Metals	CC44-003	8/9/2004	VOC
SED20393	5/19/1994	PCB	BX39-009	6/18/2002	Rads	CC44-004	5/27/2004	Metals
SED20393	5/19/1994	Pesticide	BX39-009	6/18/2002	SVOC	CC44-004	5/27/2004	PCB
SED20393	5/19/1994	Rads	BX39-009	6/18/2002	VOC	CC44-004	5/27/2004	Rads
SED20393	5/19/1994	VOC	BX39-010	7/18/2002	Metals	CC44-008	5/20/2004	Metals
SED20493	4/6/1994	Metals	BX39-010	7/18/2002	Rads	CC44-008	5/20/2004	PCB
SED20493	4/6/1994	PCB	BX39-010	7/18/2002	SVOC	CC44-008	5/20/2004	Rads
SED20493	4/6/1994	Pesticide	BX39-010	7/18/2002	VOC	CC44-010	11/3/2003	Metals
SED20493	4/6/1994	Rads	BX45-008	4/27/2003	Metals	CC44-010	11/3/2003	PCB
SED20493	4/6/1994	VOC	BX45-008	4/27/2003	Rads	CC44-010	11/3/2003	Rads
SED20593	4/6/1994	Metals	BX45-008	4/27/2003	SVOC	CD43-001	4/4/2002	VOC
SED20593	4/6/1994	PCB	BX45-008	4/27/2003	VOC	CD43-002	4/4/2002	VOC
SED20593	4/6/1994	Pesticide	BY35-001-01	7/8/2003	Metals	CD43-007	8/16/2004	Metals
SED20593	4/6/1994	Rads	BY35-001-01	7/8/2003	Rads	CD43-007	8/16/2004	Rads
SED20593	4/6/1994	VOC	BY35-002-01	7/8/2003	Metals	CD43-007	8/16/2004	VOC
SED20693	4/6/1994	Metals	BY35-002-01	7/8/2003	Rads	CD43-014	8/9/2004	Metals
SED20693	4/6/1994	PCB	BY35-007	6/10/2004	Metals	CD43-014	8/9/2004	Rads
SED20693	4/6/1994	Pesticide	BY35-007	6/10/2004	Rads	CD43-014	8/9/2004	VOC
SED20693	4/6/1994	Rads	BY35-007	6/10/2004	VOC	CD46-001	7/8/2004	PCB
SED20793	4/7/1994	Metals	BY35-008	5/20/2004	Metals	CD46-001	7/8/2004	Rads
SED20793	4/7/1994	PCB	BY35-008	5/20/2004	PCB	CD48-000	1/15/2003	Metals
SED20793	4/7/1994	Pesticide	BY35-008	5/20/2004	Pesticide	CD48-000	1/15/2003	Rads
SED20793	4/7/1994	Rads	BY35-008	5/20/2004	Rads	CD48-000	1/15/2003	SVOC
SED20793	4/7/1994	VOC	BY35-008	5/20/2004	SVOC	CD48-000	1/15/2003	VOC
SED20893	3/21/1994	Metals	BY35-008	5/20/2004	VOC	CE37-001	10/26/2004	Metals
SED20893	3/21/1994	PCB	BY35-008	5/20/2004	WQP	CE37-001	10/26/2004	Rads
SED20893	3/21/1994	Pesticide	BY35-011	6/10/2004	Metals	CE37-001	10/26/2004	SVOC
SED20893	3/21/1994	Rads	BY35-011	6/10/2004	Rads	CE37-001	10/26/2004	VOC
SED21293	4/11/1994	Metals	BY35-011	6/10/2004	VOC	CE44-002	7/6/2004	PCB
SED21293	4/11/1994	PCB	BY35-012	5/20/2004	Metals	CE44-002	7/6/2004	Rads
SED21293	4/11/1994	Pesticide	BY35-012	5/20/2004	PCB	CE45-000	6/22/2004	PCB
SED21293	4/11/1994	Rads	BY35-012	5/20/2004	Pesticide	CE45-000	6/22/2004	Rads
SED21293	4/11/1994	VOC	BY35-012	5/20/2004	Rads	CE45-006	7/12/2004	PCB

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Sediment			Subsurface Soil			Surface Soil		
Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
SED21393	4/11/1994	Metals	BY35-012	5/20/2004	SVOC	CE45-006	7/12/2004	Rads
SED21393	4/11/1994	PCB	BY35-012	5/20/2004	VOC	CE45-008	6/30/2004	PCB
SED21393	4/11/1994	Pesticide	BY35-012	5/20/2004	WQP	CE45-008	6/30/2004	Rads
SED21393	4/11/1994	Rads	BY35-023	6/14/2004	Metals	CE45-016	7/7/2004	PCB
SED21393	4/11/1994	VOC	BY35-023	6/14/2004	Rads	CE45-016	7/7/2004	Rads
SED21493	4/5/1994	Metals	BY35-023	6/14/2004	VOC	CE46-017	4/28/2004	Rads
SED21493	4/5/1994	PCB	BY35-026	6/8/2004	Metals	CE48-001	11/21/2002	Metals
SED21493	4/5/1994	Pesticide	BY35-026	6/8/2004	Rads	CE48-001	11/21/2002	Rads
SED21493	4/5/1994	Rads	BY35-026	6/8/2004	VOC	CE48-001	11/21/2002	SVOC
SED21493	4/5/1994	VOC	BY37-000	6/24/2003	Metals	CE48-001	11/21/2002	VOC
SED21593	4/5/1994	Metals	BY37-000	6/24/2003	Rads	CE48-015	1/16/2003	Metals
SED21593	4/5/1994	PCB	BY37-000	6/24/2003	VOC	CE48-015	1/16/2003	Rads
SED21593	4/5/1994	Pesticide	BY37-003	6/12/2003	Metals	CE48-015	1/16/2003	SVOC
SED21593	4/5/1994	Rads	BY37-003	6/12/2003	Rads	CE48-015	1/16/2003	VOC
SED21593	4/5/1994	VOC	BY37-003	6/12/2003	VOC	CE48-017	1/16/2003	Metals
SED40196	2/13/1996	Rads	BY37-018	6/1/2004	Metals	CE48-017	1/16/2003	Rads
SED40296	2/13/1996	Rads	BY37-018	6/1/2004	Rads	CE48-017	1/16/2003	SVOC
SED42800	10/11/2000	Rads	BY37-018	6/1/2004	VOC	CE48-017	1/16/2003	VOC
SED43000	10/11/2000	Rads	BY37-019	6/1/2004	Metals	CE48-019	1/16/2003	Metals
SED65992	2/17/1993	Metals	BY37-019	6/1/2004	Rads	CE48-019	1/16/2003	Rads
SED65992	2/17/1993	PCB	BY37-019	6/1/2004	VOC	CE48-019	1/16/2003	SVOC
SED65992	2/17/1993	Pesticide	BY37-022	5/21/2004	Metals	CE48-019	1/16/2003	VOC
SED65992	2/17/1993	Rads	BY37-022	5/21/2004	Rads	CE48-023	2/13/2003	Rads
SED65992	2/17/1993	SVOC	BY37-022	5/21/2004	VOC	CE48-031	3/24/2004	SVOC
SED65992	2/17/1993	VOC	BY37-030	5/17/2004	Metals	CE48-031	3/24/2004	VOC
SED65992	2/17/1993	WQP	BY37-030	5/17/2004	Rads	CE49-001	1/23/2003	Metals
SED68192	2/19/1993	Metals	BY37-030	5/17/2004	SVOC	CE49-001	1/23/2003	Rads
SED68192	2/19/1993	PCB	BY37-030	5/17/2004	VOC	CF33-014	9/29/2004	Metals
SED68192	2/19/1993	Pesticide	BY38-001	7/10/2002	Metals	CF33-014	9/29/2004	Rads
SED68192	2/19/1993	Rads	BY38-001	7/10/2002	Rads	CF36-001	8/9/2004	Rads
SED68192	2/19/1993	SVOC	BY38-001	7/10/2002	SVOC	CF36-002	8/9/2004	Rads
SED68192	2/19/1993	VOC	BY38-001	7/10/2002	VOC	CF36-003	8/9/2004	Rads
SED68192	2/19/1993	WQP	BY38-007	7/15/2002	Metals	CF36-004	8/5/2004	Rads
SED68592	5/6/1993	Metals	BY38-007	7/15/2002	Rads	CF38-008	7/1/2002	Metals
SED68592	5/6/1993	PCB	BY38-007	7/15/2002	SVOC	CF44-003	7/8/2004	Rads
SED68592	5/6/1993	Pesticide	BY38-007	7/15/2002	VOC	CF44-004	7/8/2004	Rads
SED68592	5/6/1993	Rads	BY38-012	9/11/2003	Metals	CF44-006	7/8/2004	Rads
SED68592	5/6/1993	SVOC	BY38-012	9/11/2003	Rads	CF44-010	7/8/2004	Rads
SED68592	5/6/1993	VOC	BY38-012	9/11/2003	VOC	CF44-011	7/20/2004	Rads
SED69692	5/10/1993	Metals	BY38-025	8/6/2004	Metals	CF45-017	7/19/2004	Metals
SED69692	5/10/1993	PCB	BY38-025	8/6/2004	Rads	CF45-017	7/19/2004	Rads
SED69692	5/10/1993	Pesticide	BY38-025	8/6/2004	VOC	CF49-003	1/30/2003	Metals
SED69692	5/10/1993	Rads	BY39-005	6/26/2002	Metals	CF49-003	1/30/2003	Rads
SED69692	5/10/1993	SVOC	BY39-005	6/26/2002	Rads	CF49-004	1/30/2003	Metals
SED69692	5/10/1993	VOC	BY39-005	6/26/2002	SVOC	CF49-004	1/30/2003	Rads

Sediment			Subsurface Soil			Surface Soil		
Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
SED69892	5/10/1993	Metals	BY39-005	6/26/2002	VOC	CF49-014	3/5/2003	Rads
SED69892	5/10/1993	PCB	BY39-006	6/19/2002	Metals	CF49-015	3/5/2003	Rads
SED69892	5/10/1993	Pesticide	BY39-006	6/19/2002	Rads	CG38-017	11/20/2003	Metals
SED69892	5/10/1993	Rads	BY39-006	6/19/2002	SVOC	CG38-017	11/20/2003	Rads
SED69892	5/10/1993	SVOC	BY39-006	6/19/2002	VOC	CG40-001	4/4/2002	Rads
SED69892	5/10/1993	VOC	BY39-007	6/19/2002	Metals	CG40-002	4/4/2002	Rads
SED70092	5/10/1993	Metals	BY39-007	6/19/2002	Rads	CG44-005	9/18/2003	Metals
SED70092	5/10/1993	PCB	BY39-007	6/19/2002	SVOC	CG44-005	9/18/2003	Rads
SED70092	5/10/1993	Pesticide	BY39-007	6/19/2002	VOC	CG44-007	1/20/2004	Metals
SED70092	5/10/1993	Rads	BY43-003	6/17/2004	Metals	CG44-007	1/20/2004	Rads
SED70092	5/10/1993	SVOC	BY43-003	6/17/2004	Rads	CG47-013	4/19/2004	Metals
SED70092	5/10/1993	VOC	BZ34-007	3/6/2002	Metals	CG47-013	4/19/2004	Rads
SED750101	1/25/2001	Metals	BZ34-007	3/6/2002	Rads	CG47-013	4/19/2004	SVOC
SED750101	1/25/2001	Rads	BZ34-007	3/6/2002	VOC	CG47-013	4/19/2004	VOC
SED750101	1/25/2001	VOC	BZ34-017	3/13/2002	Metals	CG47-016	4/20/2004	Metals
SED750201	1/25/2001	Metals	BZ34-017	3/13/2002	Rads	CG47-016	4/20/2004	Rads
SED750201	1/25/2001	Rads	BZ34-017	3/13/2002	VOC	CG47-016	4/20/2004	SVOC
SED750201	1/25/2001	VOC	BZ35-003-01	6/26/2003	Metals	CG47-016	4/20/2004	VOC
SED750301	1/25/2001	Metals	BZ35-003-01	6/26/2003	Rads	CG47-022	4/20/2004	Metals
SED750301	1/25/2001	Rads	BZ35-003-01	6/26/2003	VOC	CG47-022	4/20/2004	Rads
SED750301	1/25/2001	VOC	BZ35-011-01	7/9/2003	Metals	CG47-022	4/20/2004	SVOC
SED750401	1/25/2001	Metals	BZ35-011-01	7/9/2003	Rads	CG47-022	4/20/2004	VOC
SED750401	1/25/2001	Rads	BZ35-011-01	7/9/2003	VOC	CG47-023	5/6/2004	Metals
SED750401	1/25/2001	VOC	BZ36-000-01	6/25/2003	Metals	CG47-023	5/6/2004	Rads
SED750501	1/25/2001	Metals	BZ36-000-01	6/25/2003	Rads	CG47-023	5/6/2004	SVOC
SED750501	1/25/2001	Rads	BZ36-000-01	6/25/2003	VOC	CG47-023	5/6/2004	VOC
SED750501	1/25/2001	VOC	BZ36-002	6/25/2003	Metals	CG47-026	6/1/2004	Metals
SED80093	12/12/1994	Metals	BZ36-002	6/25/2003	Rads	CG47-026	6/1/2004	Rads
SED80093	12/12/1994	Rads	BZ36-002	6/25/2003	VOC	CG47-026	6/1/2004	SVOC
SED80093	12/12/1994	SVOC	BZ36-012	5/14/2004	Metals	CG47-026	6/1/2004	VOC
SED80093	12/12/1994	VOC	BZ36-012	5/14/2004	Rads	CG47-043	4/26/2004	Rads
SED80193	12/12/1994	Metals	BZ36-012	5/14/2004	VOC	CG47-045	8/2/2004	Metals
SED80193	12/12/1994	Rads	BZ36-016	5/17/2004	Metals	CG47-046	8/2/2004	Metals
SED80193	12/12/1994	SVOC	BZ36-016	5/17/2004	Rads	CG47-047	8/2/2004	Metals
SED80193	12/12/1994	VOC	BZ36-016	5/17/2004	VOC	CG47-049	8/2/2004	Metals
SED80693	12/13/1994	Metals	BZ36-020	5/19/2004	Metals	CG47-050	8/2/2004	Metals
SED80693	12/13/1994	VOC	BZ36-020	5/19/2004	Rads	CG47-051	8/2/2004	Metals
SS224293	3/7/1994	Metals	BZ36-020	5/19/2004	VOC	CG47-053	8/2/2004	Metals
SS305493	6/20/1994	Rads	BZ36-024	5/18/2004	Metals	CG47-054	8/2/2004	Metals
SS30599	12/14/1998	Metals	BZ36-024	5/18/2004	Rads	CG48-028	6/8/2004	PCB
SS30599	12/14/1998	Rads	BZ36-024	5/18/2004	VOC	CG48-029	6/8/2004	PCB
SS30599	12/14/1998	VOC	BZ37-000	6/25/2003	Metals	CG48-033	2/9/2004	Metals
SS306693	6/29/1994	Metals	BZ37-000	6/25/2003	Rads	CG48-033	2/9/2004	Rads
SS306693	6/29/1994	Rads	BZ37-000	6/25/2003	VOC	CG48-033	2/9/2004	VOC
SS401793	12/31/1992	Metals	BZ37-001	6/25/2003	Metals	CG49-001	1/30/2003	Metals

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Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
SS401793	12/31/1992	PCB	BZ37-001	6/25/2003	Rads	CG49-001	1/30/2003	Rads
SS401793	12/31/1992	Pesticide	BZ37-001	6/25/2003	VOC	CG49-007	2/20/2003	Rads
SS401793	12/31/1992	Rads	BZ37-004	5/19/2004	Metals	CG49-025	6/1/2004	Metals
SS401793	12/31/1992	SVOC	BZ37-004	5/19/2004	Rads	CG49-025	6/1/2004	PCB
SS401793	12/31/1992	VOC	BZ37-004	5/19/2004	VOC	CG49-025	6/1/2004	Rads
SS441494	9/7/1994	Metals	BZ37-011	6/3/2004	Metals	CG49-025	6/1/2004	SVOC
SS441494	9/7/1994	Rads	BZ37-011	6/3/2004	Rads	CG49-025	6/1/2004	VOC
SS460394	10/10/1994	Rads	BZ37-011	6/3/2004	VOC	CG49-028	6/1/2004	PCB
SS614792	10/6/1992	Metals	BZ37-014	5/17/2004	Metals	CG49-064	9/20/2004	Metals
SS614792	10/6/1992	PCB	BZ37-014	5/17/2004	Rads	CG49-064	9/20/2004	PCB
SS614792	10/6/1992	Pesticide	BZ37-014	5/17/2004	VOC	CG49-064	9/20/2004	Rads
SS614792	10/6/1992	Rads	BZ37-018	5/14/2004	Metals	CG49-064	9/20/2004	SVOC
SS9040400	2/28/2000	Metals	BZ37-018	5/14/2004	Rads	CG49-064	9/20/2004	VOC
SS9040400	2/28/2000	Rads	BZ37-018	5/14/2004	VOC	CH46-050	1/26/2004	Rads
SS9040400	2/28/2000	SVOC	BZ37-019	5/18/2004	Metals	CH47-008	4/19/2004	Metals
SS9040400	2/28/2000	VOC	BZ37-019	5/18/2004	Rads	CH47-008	4/19/2004	Rads
SW022	6/21/1994	Metals	BZ37-019	5/18/2004	VOC	CH47-008	4/19/2004	SVOC
SW022	6/21/1994	Rads	CA38-004-01	8/13/2004	VOC	CH47-008	4/19/2004	VOC
SW022	6/21/1994	SVOC	CA38-012	9/10/2003	Metals	CH47-029	3/9/2004	Metals
SW022	6/21/1994	VOC	CA38-012	9/10/2003	Rads	CH47-029	3/9/2004	Rads
			CA38-012	9/10/2003	VOC	CH47-029	3/9/2004	VOC
			CA38-014	4/8/2004	Metals	CH48-005	1/20/2003	Metals
			CA38-014	4/8/2004	Rads	CH48-005	1/20/2003	PCB
			CA38-014	4/8/2004	VOC	CH48-005	1/20/2003	Rads
			CA39-013	8/1/2002	Rads	CH48-005	1/20/2003	SVOC
			CA39-013	8/1/2002	VOC	CH48-005	1/20/2003	VOC
			CA42-002	2/25/2004	Metals	CH48-006	1/20/2003	Metals
			CA42-002	2/25/2004	Rads	CH48-006	1/20/2003	PCB
			CA42-005	2/25/2004	Metals	CH48-006	1/20/2003	Rads
			CA42-005	2/25/2004	Rads	CH48-006	1/20/2003	SVOC
			CB35-000	8/24/2004	VOC	CH48-006	1/20/2003	VOC
			CB35-004	8/13/2004	VOC	CH48-011	1/20/2003	Metals
			CB36-000	7/8/2004	VOC	CH48-011	1/20/2003	PCB
			CB36-004	7/13/2004	VOC	CH48-011	1/20/2003	Rads
			CB36-005	7/13/2004	VOC	CH48-011	1/20/2003	SVOC
			CB36-009	7/12/2004	Metals	CH48-011	1/20/2003	VOC
			CB36-009	7/12/2004	Rads	CH48-012	1/21/2003	Metals
			CB36-009	7/12/2004	VOC	CH48-012	1/21/2003	PCB
			CB36-013	7/12/2004	Metals	CH48-012	1/21/2003	Rads
			CB36-013	7/12/2004	Rads	CH48-012	1/21/2003	SVOC
			CB36-013	7/12/2004	VOC	CH48-012	1/21/2003	VOC
			CB36-015	8/24/2004	VOC	CH49-000	1/20/2003	Metals
			CB36-017	7/12/2004	Metals	CH49-000	1/20/2003	PCB
			CB36-017	7/12/2004	Rads	CH49-000	1/20/2003	Rads
			CB36-017	7/12/2004	VOC	CH49-000	1/20/2003	SVOC

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Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			CB36-019	8/24/2004	VOC	CH49-000	1/20/2003	VOC
			CB37-000	7/13/2004	Metals	CH49-001	1/20/2003	Metals
			CB37-000	7/13/2004	Rads	CH49-001	1/20/2003	PCB
			CB37-000	7/13/2004	VOC	CH49-001	1/20/2003	Rads
			CB37-001	8/5/2002	Rads	CH49-001	1/20/2003	SVOC
			CB37-001	8/5/2002	SVOC	CH49-001	1/20/2003	VOC
			CB37-001	8/5/2002	VOC	CH49-004	1/21/2003	Metals
			CB37-003	8/6/2002	Rads	CH49-004	1/21/2003	PCB
			CB37-003	8/6/2002	SVOC	CH49-004	1/21/2003	Rads
			CB37-003	8/6/2002	VOC	CH49-004	1/21/2003	SVOC
			CB37-004-01	7/8/2004	Metals	CH49-004	1/21/2003	VOC
			CB37-004-01	7/8/2004	Rads	CH49-020	5/27/2004	Metals
			CB37-004-01	7/8/2004	VOC	CH49-020	5/27/2004	PCB
			CB37-006	8/12/2002	Rads	CH49-020	5/27/2004	Rads
			CB37-006	8/12/2002	SVOC	CH49-020	5/27/2004	SVOC
			CB37-006	8/12/2002	VOC	CH49-020	5/27/2004	VOC
			CB37-008-01	7/8/2004	Metals	CH49-023	5/27/2004	Metals
			CB37-008-01	7/8/2004	Rads	CH49-023	5/27/2004	PCB
			CB37-008-01	7/8/2004	VOC	CH49-023	5/27/2004	Rads
			CB37-009	8/12/2002	Rads	CH49-023	5/27/2004	SVOC
			CB37-009	8/12/2002	SVOC	CH49-023	5/27/2004	VOC
			CB37-009	8/12/2002	VOC	CH49-024	5/27/2004	PCB
			CB37-009-01	7/8/2004	Metals	CH49-034	9/20/2004	Metals
			CB37-009-01	7/8/2004	Rads	CH49-034	9/20/2004	PCB
			CB37-009-01	7/8/2004	VOC	CH49-034	9/20/2004	Rads
			CB37-013	7/8/2004	Metals	CH49-034	9/20/2004	SVOC
			CB37-013	7/8/2004	Rads	CH49-034	9/20/2004	VOC
			CB37-013	7/8/2004	VOC	CI38-002	5/29/2002	Metals
			CB37-015	7/14/2004	Metals	CI38-002	5/29/2002	Rads
			CB37-015	7/14/2004	Rads	CI38-003	3/21/2002	Metals
			CB37-015	7/14/2004	VOC	CI38-003	3/21/2002	Rads
			CB37-019	7/8/2004	VOC	CI38-004	3/21/2002	Metals
			CB38-002	8/6/2002	Rads	CI38-004	3/21/2002	Rads
			CB38-002	8/6/2002	SVOC	CI38-007	3/21/2002	Metals
			CB38-002	8/6/2002	VOC	CI38-007	3/21/2002	Rads
			CB38-006	9/10/2003	Metals	CI38-021	5/29/2002	Metals
			CB38-006	9/10/2003	Rads	CI38-021	5/29/2002	Rads
			CB38-006	9/10/2003	VOC	CI39-004	5/28/2002	Metals
			CB38-008	4/13/2004	Metals	CI39-004	5/28/2002	Rads
			CB38-008	4/13/2004	Rads	CI39-005	5/29/2002	Metals
			CB38-008	4/13/2004	VOC	CI39-005	5/29/2002	Rads
			CB39-007	4/14/2004	Metals	CI41-004	9/7/2004	Metals
			CB39-007	4/14/2004	Rads	CI41-004	9/7/2004	PCB
			CB39-007	4/14/2004	SVOC	CI41-004	9/7/2004	Rads
			CB39-007	4/14/2004	VOC	CI41-004	9/7/2004	SVOC

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Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			CB39-008	4/14/2004	Metals	CI41-004	9/7/2004	VOC
			CB39-008	4/14/2004	Rads	CI42-000	9/22/2004	Metals
			CB39-008	4/14/2004	SVOC	CI42-000	9/22/2004	PCB
			CB39-008	4/14/2004	VOC	CI42-000	9/22/2004	Rads
			CB40-001	1/30/2004	Metals	CI42-000	9/22/2004	SVOC
			CB40-001	1/30/2004	Rads	CI42-000	9/22/2004	VOC
			CB40-011	2/2/2004	Metals	CI42-001	9/15/2004	Metals
			CB40-011	2/2/2004	Rads	CI42-001	9/15/2004	PCB
			CB41-000	1/29/2004	Metals	CI42-001	9/15/2004	Rads
			CB41-000	1/29/2004	Rads	CI42-001	9/15/2004	SVOC
			CB41-001	2/19/2004	Metals	CI42-001	9/15/2004	VOC
			CB41-001	2/19/2004	Rads	CI42-003	8/31/2004	Metals
			CB41-004	2/25/2004	Metals	CI42-003	8/31/2004	PCB
			CB41-004	2/25/2004	Rads	CI42-003	8/31/2004	Rads
			CB42-000	2/25/2004	Metals	CI42-003	8/31/2004	SVOC
			CB42-000	2/25/2004	Rads	CI42-003	8/31/2004	VOC
			CB42-001	2/27/2004	Metals	CI42-006	8/31/2004	Metals
			CB42-001	2/27/2004	Rads	CI42-006	8/31/2004	PCB
			CB42-001	2/27/2004	VOC	CI42-006	8/31/2004	Rads
			CB42-014	5/13/2004	VOC	CI42-006	8/31/2004	SVOC
			CB43-002	5/20/2004	VOC	CI42-006	8/31/2004	VOC
			CB43-005	4/14/2004	VOC	CI42-007	8/31/2004	Metals
			CB43-010	5/17/2004	VOC	CI42-007	8/31/2004	PCB
			CB44-009	3/25/2004	Metals	CI42-007	8/31/2004	Rads
			CB44-009	3/25/2004	PCB	CI42-007	8/31/2004	SVOC
			CB44-009	3/25/2004	Rads	CI42-007	8/31/2004	VOC
			CB44-009	3/25/2004	VOC	CI42-008	9/8/2004	Metals
			CC42-000	3/24/2004	VOC	CI42-008	9/8/2004	PCB
			CC42-001	4/6/2004	VOC	CI42-008	9/8/2004	Rads
			CC42-003	4/7/2004	VOC	CI42-008	9/8/2004	SVOC
			CC42-004	5/18/2004	VOC	CI42-008	9/8/2004	VOC
			CC42-007	5/18/2004	VOC	CI42-009	9/21/2004	Metals
			CC42-009	5/18/2004	VOC	CI42-009	9/21/2004	PCB
			CC42-023	4/8/2004	Metals	CI42-009	9/21/2004	Rads
			CC42-023	4/8/2004	PCB	CI42-009	9/21/2004	SVOC
			CC42-023	4/8/2004	Rads	CI42-009	9/21/2004	VOC
			CC42-023	4/8/2004	VOC	CI44-000	9/15/2004	Metals
			CC42-028	6/16/2004	Metals	CI44-000	9/15/2004	PCB
			CC42-028	6/16/2004	PCB	CI44-000	9/15/2004	Rads
			CC42-028	6/16/2004	Rads	CI44-000	9/15/2004	SVOC
			CC42-028	6/16/2004	VOC	CI44-000	9/15/2004	VOC
			CC43-002	5/17/2004	VOC	CI45-013	1/13/2004	Metals
			CC43-003	4/19/2004	Metals	CI45-013	1/13/2004	Rads
			CC43-003	4/19/2004	PCB	CI45-014	1/7/2004	Metals
			CC43-003	4/19/2004	Rads	CI45-014	1/7/2004	Rads

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Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			CC43-003	4/19/2004	VOC	CI45-015	1/8/2004	Metals
			CC43-009	11/19/2003	Metals	CI45-015	1/8/2004	Rads
			CC43-009	11/19/2003	PCB	CI46-024	1/13/2004	Metals
			CC43-009	11/19/2003	Rads	CI46-024	1/13/2004	Rads
			CC43-009	11/19/2003	VOC	CJ41-000	9/9/2004	Metals
			CC43-010	11/18/2003	Metals	CJ41-000	9/9/2004	PCB
			CC43-010	11/18/2003	PCB	CJ41-000	9/9/2004	Rads
			CC43-010	11/18/2003	Rads	CJ41-000	9/9/2004	SVOC
			CC43-010	11/18/2003	VOC	CJ41-000	9/9/2004	VOC
			CC43-014	11/18/2003	Metals	CJ41-002	9/9/2004	Metals
			CC43-014	11/18/2003	PCB	CJ41-002	9/9/2004	PCB
			CC43-014	11/18/2003	Rads	CJ41-002	9/9/2004	Rads
			CC43-014	11/18/2003	VOC	CJ41-002	9/9/2004	SVOC
			CC43-018	11/18/2003	Metals	CJ41-002	9/9/2004	VOC
			CC43-018	11/18/2003	PCB	CJ42-001	9/8/2004	Metals
			CC43-018	11/18/2003	Rads	CJ42-001	9/8/2004	PCB
			CC43-018	11/18/2003	VOC	CJ42-001	9/8/2004	Rads
			CC43-022	11/18/2003	Metals	CJ42-001	9/8/2004	SVOC
			CC43-022	11/18/2003	PCB	CJ42-001	9/8/2004	VOC
			CC43-022	11/18/2003	Rads	CJ43-002	9/2/2004	Metals
			CC43-022	11/18/2003	VOC	CJ43-002	9/2/2004	PCB
			CC44-004	5/27/2004	Metals	CJ43-002	9/2/2004	Rads
			CC44-004	5/27/2004	PCB	CJ43-002	9/2/2004	SVOC
			CC44-004	5/27/2004	Rads	CJ43-002	9/2/2004	VOC
			CC44-004	5/27/2004	VOC	CJ45-017	1/8/2004	Metals
			CC44-006	5/20/2004	Metals	CJ45-017	1/8/2004	Rads
			CC44-006	5/20/2004	PCB	CJ45-018	1/7/2004	Metals
			CC44-006	5/20/2004	Rads	CJ45-018	1/7/2004	Rads
			CC44-006	5/20/2004	VOC	CJ45-019	1/8/2004	Metals
			CC44-008	5/20/2004	Metals	CJ45-019	1/8/2004	Rads
			CC44-008	5/20/2004	PCB	CJ46-018	1/7/2004	Metals
			CC44-008	5/20/2004	Rads	CJ46-018	1/7/2004	Rads
			CC44-008	5/20/2004	VOC	CJ46-021	1/13/2004	Metals
			CC44-010	11/3/2003	Metals	CJ46-021	1/13/2004	Rads
			CC44-010	11/3/2003	PCB	CJ47-000	9/9/2002	Metals
			CC44-010	11/3/2003	Rads	CJ47-000	9/9/2002	Rads
			CC44-010	11/3/2003	VOC	CJ47-001	9/9/2002	Metals
			CD43-007	8/16/2004	Metals	CJ47-001	9/9/2002	Rads
			CD43-007	8/16/2004	Rads	CJ47-002	9/9/2002	Metals
			CD43-007	8/16/2004	VOC	CJ47-002	9/9/2002	Rads
			CD46-001	7/8/2004	PCB	CJ47-003	10/21/2002	Metals
			CD46-001	7/8/2004	Rads	CJ47-003	10/21/2002	Rads
			CD46-001	7/8/2004	VOC	CJ47-005	10/21/2002	Metals
			CE44-002	7/6/2004	PCB	CJ47-005	10/21/2002	Rads
			CE44-002	7/6/2004	Rads	CJ47-011	9/6/2002	Metals

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Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			CE44-002	7/6/2004	VOC	CJ47-011	9/6/2002	Rads
			CE45-000	6/22/2004	PCB	CJ47-012	9/6/2002	Metals
			CE45-000	6/22/2004	Rads	CJ47-012	9/6/2002	Rads
			CE45-000	6/22/2004	VOC	CJ47-013	9/6/2002	Metals
			CE45-006	7/12/2004	PCB	CJ47-013	9/6/2002	Rads
			CE45-006	7/12/2004	Rads	CJ47-014	9/10/2002	Metals
			CE45-006	7/12/2004	VOC	CJ47-014	9/10/2002	Rads
			CE45-008	6/30/2004	PCB	CJ47-DR02	9/25/2002	Metals
			CE45-008	6/30/2004	Rads	CJ47-DR02	9/25/2002	Rads
			CE45-008	6/30/2004	VOC	CM42-005	6/3/2003	Metals
			CE45-014	5/28/2003	PCB	CM42-005	6/3/2003	Rads
			CE45-014	5/28/2003	Rads	CM42-007	5/29/2003	Metals
			CE45-014	5/28/2003	VOC	CM42-007	5/29/2003	Rads
			CE45-016	7/1/2004	PCB	CN37-013	2/6/2003	Metals
			CE45-016	7/1/2004	Rads	CN37-013	2/6/2003	Rads
			CE45-016	7/1/2004	VOC	CN37-013	2/6/2003	VOC
			CE46-017	4/28/2004	Rads	CN37-013	2/6/2003	WQP
			CE48-016	1/16/2003	Metals	CN39-006	2/6/2003	Metals
			CE48-016	1/16/2003	Rads	CN39-006	2/6/2003	Rads
			CE48-016	1/16/2003	SVOC	CN39-006	2/6/2003	VOC
			CE48-016	1/16/2003	VOC	CN39-006	2/6/2003	WQP
			CE49-000	2/19/2003	Metals	CN42-020	6/3/2003	Metals
			CE49-000	2/19/2003	Rads	CN42-020	6/3/2003	Rads
			CE49-000	2/19/2003	WQP	CN44-000	11/13/2002	Metals
			CE49-004	1/21/2003	Metals	CN44-000	11/13/2002	Rads
			CE49-004	1/21/2003	Rads	CN44-000	11/13/2002	SVOC
			CF33-000	4/7/2004	Metals	CN44-000	11/13/2002	VOC
			CF33-000	4/7/2004	Rads	CP40-001	6/26/2002	Metals
			CF33-000	4/7/2004	SVOC	CP40-001	6/26/2002	PCB
			CF33-000	4/7/2004	VOC	CP40-001	6/26/2002	Pesticide
			CF33-003	4/7/2004	Metals	CP40-001	6/26/2002	Rads
			CF33-003	4/7/2004	Rads	CP40-001	6/26/2002	SVOC
			CF33-003	4/7/2004	SVOC	CP40-001	6/26/2002	VOC
			CF33-003	4/7/2004	VOC	CP44-004	10/11/2004	Metals
			CF38-008	7/1/2002	Metals	CP44-004	10/11/2004	Rads
			CF38-008	7/1/2002	Rads	CP46-001	11/12/2002	Metals
			CF38-008	7/1/2002	SVOC	CP46-001	11/12/2002	Rads
			CF38-008	7/1/2002	VOC	CP46-001	11/12/2002	SVOC
			CF41-000	7/22/2004	VOC	CP46-001	11/12/2002	VOC
			CF41-001	7/22/2004	VOC	CQ40-000	5/22/2002	Metals
			CF41-003	7/22/2004	VOC	CQ40-000	5/22/2002	PCB
			CF41-004	7/21/2004	VOC	CQ40-000	5/22/2002	Pesticide
			CF41-005	7/21/2004	VOC	CQ40-000	5/22/2002	Rads
			CF42-006	5/13/2004	Metals	CQ40-000	5/22/2002	SVOC
			CF42-006	5/13/2004	Rads	CQ40-000	5/22/2002	VOC

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Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			CF42-006	5/13/2004	SVOC	CQ41-012	10/1/2002	VOC
			CF42-006	5/13/2004	VOC	CQ41-013	10/1/2002	VOC
			CF42-009	5/13/2004	Metals	CQ42-007	2/5/2003	Metals
			CF42-009	5/13/2004	Rads	CQ42-007	2/5/2003	Rads
			CF42-009	5/13/2004	SVOC	CQ42-007	2/5/2003	SVOC
			CF42-009	5/13/2004	VOC	CR45-000	8/19/2002	Metals
			CF44-003	7/8/2004	Rads	CR45-000	8/19/2002	Rads
			CF44-004	7/8/2004	Rads	PCB-35-1	7/26/1991	PCB
			CF44-006	7/8/2004	Rads	PCB-35-1	7/26/1991	Rads
			CF44-010	7/8/2004	Rads	PCB-35-2	7/26/1991	PCB
			CF44-011	7/20/2004	Rads	PCB-35-2	7/26/1991	Rads
			CF45-017	7/19/2004	Metals	PCB-35-3	7/26/1991	PCB
			CF45-017	7/19/2004	Rads	PCB-35-3	7/26/1991	Rads
			CF45-017	7/19/2004	VOC	PT000	8/12/1991	Rads
			CF49-014	3/5/2003	Rads	RA036	3/5/1992	Metals
			CF49-015	3/5/2003	Rads	RA036	3/5/1992	PCB
			CF49-017	2/19/2003	Metals	RA036	3/5/1992	Pesticide
			CF49-017	2/19/2003	Rads	RA036	3/5/1992	Rads
			CG33-000	4/6/2004	Metals	RA036	3/5/1992	SVOC
			CG33-000	4/6/2004	Rads	RA036	3/5/1992	VOC
			CG33-000	4/6/2004	SVOC	RA037	3/5/1992	Metals
			CG33-000	4/6/2004	VOC	RA037	3/5/1992	PCB
			CG38-017	11/20/2003	Metals	RA037	3/5/1992	Pesticide
			CG38-017	11/20/2003	Rads	RA037	3/5/1992	Rads
			CG38-017	11/20/2003	VOC	RA037	3/5/1992	SVOC
			CG38-033	12/11/2003	Metals	RA037	3/5/1992	VOC
			CG38-033	12/11/2003	Rads	SS000295	2/14/1995	Metals
			CG38-033	12/11/2003	SVOC	SS000295	2/14/1995	PCB
			CG38-033	12/11/2003	VOC	SS000295	2/14/1995	Pesticide
			CG44-002	12/23/2003	Metals	SS000295	2/14/1995	Rads
			CG44-002	12/23/2003	Rads	SS000295	2/14/1995	SVOC
			CG44-002	12/23/2003	VOC	SS000295	2/14/1995	VOC
			CG44-005	9/18/2003	Metals	SS000395	2/16/1995	Metals
			CG44-005	9/18/2003	Rads	SS000395	2/16/1995	PCB
			CG44-005	9/18/2003	VOC	SS000395	2/16/1995	Pesticide
			CG44-007	1/21/2004	Metals	SS000395	2/16/1995	Rads
			CG44-007	1/21/2004	Rads	SS000395	2/16/1995	SVOC
			CG44-007	1/21/2004	VOC	SS000395	2/16/1995	VOC
			CG44-009	4/22/2004	Metals	SS000495	2/15/1995	Metals
			CG44-009	4/22/2004	Rads	SS000495	2/15/1995	PCB
			CG44-009	4/22/2004	SVOC	SS000495	2/15/1995	Pesticide
			CG44-009	4/22/2004	VOC	SS000495	2/15/1995	Rads
			CG47-013	4/19/2004	Metals	SS000495	2/15/1995	SVOC
			CG47-013	4/19/2004	Rads	SS000495	2/15/1995	VOC
			CG47-013	4/19/2004	SVOC	SS000595	2/16/1995	Metals

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Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			CG47-013	4/19/2004	VOC	SS000595	2/16/1995	PCB
			CG47-016	4/20/2004	Metals	SS000595	2/16/1995	Pesticide
			CG47-016	4/20/2004	Rads	SS000595	2/16/1995	Rads
			CG47-016	4/20/2004	SVOC	SS000595	2/16/1995	SVOC
			CG47-016	4/20/2004	VOC	SS000595	2/16/1995	VOC
			CG47-022	4/20/2004	Metals	SS000895	2/15/1995	Metals
			CG47-022	4/20/2004	Rads	SS000895	2/15/1995	PCB
			CG47-022	4/20/2004	SVOC	SS000895	2/15/1995	Pesticide
			CG47-022	4/20/2004	VOC	SS000895	2/15/1995	Rads
			CG47-023	5/6/2004	Metals	SS000895	2/15/1995	SVOC
			CG47-023	5/6/2004	Rads	SS000895	2/15/1995	VOC
			CG47-023	5/6/2004	SVOC	SS001095	2/15/1995	Metals
			CG47-023	5/6/2004	VOC	SS001095	2/15/1995	PCB
			CG47-025	4/20/2004	Metals	SS001095	2/15/1995	Pesticide
			CG47-025	4/20/2004	Rads	SS001095	2/15/1995	Rads
			CG47-025	4/20/2004	SVOC	SS001095	2/15/1995	SVOC
			CG47-025	4/20/2004	VOC	SS001095	2/15/1995	VOC
			CG47-026	6/1/2004	Metals	SS010693	7/21/1994	Metals
			CG47-026	6/1/2004	Rads	SS010993	7/21/1994	Metals
			CG47-026	6/1/2004	SVOC	SS011093	7/21/1994	Metals
			CG47-026	6/1/2004	VOC	SS011393	7/21/1994	Metals
			CG47-035	1/28/2004	Metals	SS011493	7/21/1994	Metals
			CG47-035	1/28/2004	Rads	SS011593	7/21/1994	Metals
			CG47-035	1/28/2004	VOC	SS013893	7/27/1994	Metals
			CG47-036	1/27/2004	Metals	SS013893	7/27/1994	WQP
			CG47-036	1/27/2004	Rads	SS013993	7/27/1994	Metals
			CG47-036	1/27/2004	VOC	SS013993	7/27/1994	WQP
			CG47-043	4/26/2004	Rads	SS014093	7/27/1994	Metals
			CG48-015	2/5/2003	Metals	SS014093	7/27/1994	WQP
			CG48-015	2/5/2003	Rads	SS200093	3/9/1993	Metals
			CG48-015	2/5/2003	WQP	SS200093	3/9/1993	PCB
			CG48-016	2/5/2003	PCB	SS200093	3/9/1993	Pesticide
			CG48-016	2/5/2003	VOC	SS200093	3/9/1993	SVOC
			CG48-016	2/5/2003	WQP	SS200093	3/9/1993	VOC
			CG48-017	2/3/2003	Metals	SS220193	3/22/1994	Metals
			CG48-017	2/3/2003	Rads	SS220193	3/22/1994	Rads
			CG48-017	2/3/2003	VOC	SS220193	3/22/1994	WQP
			CG48-018	2/3/2003	Metals	SS220293	5/18/1994	Metals
			CG48-018	2/3/2003	Rads	SS220293	5/18/1994	PCB
			CG48-018	2/3/2003	VOC	SS220293	5/18/1994	WQP
			CG48-019	2/13/2003	Rads	SS220393	3/22/1994	Metals
			CG48-022	1/10/2003	Metals	SS220393	3/22/1994	Rads
			CG48-022	1/10/2003	PCB	SS220393	3/22/1994	WQP
			CG48-022	1/10/2003	Rads	SS220493	5/18/1994	Metals
			CG48-022	1/10/2003	SVOC	SS220493	5/18/1994	PCB

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Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			CG48-022	1/10/2003	VOC	SS220493	5/18/1994	WQP
			CG48-028	6/8/2004	PCB	SS220593	5/31/1994	Metals
			CG48-029	6/8/2004	PCB	SS220593	5/31/1994	PCB
			CG49-000	1/22/2003	Metals	SS220593	5/31/1994	WQP
			CG49-000	1/22/2003	Rads	SS223893	3/1/1994	Metals
			CG49-025	6/1/2004	Metals	SS223993	3/1/1994	Metals
			CG49-025	6/1/2004	PCB	SS224193	3/2/1994	Metals
			CG49-025	6/1/2004	Rads	SS224193	3/2/1994	Rads
			CG49-025	6/1/2004	SVOC	SS224393	3/2/1994	Metals
			CG49-025	6/1/2004	VOC	SS224393	3/2/1994	Rads
			CG49-028	6/1/2004	PCB	SS224493	3/2/1994	Metals
			CG49-032	9/28/2004	Metals	SS224593	3/7/1994	Metals
			CG49-032	9/28/2004	PCB	SS224693	3/2/1994	Metals
			CG49-032	9/28/2004	Rads	SS224793	3/2/1994	Metals
			CG49-032	9/28/2004	SVOC	SS225993	5/4/1994	Metals
			CG49-032	9/28/2004	VOC	SS225993	5/4/1994	Rads
			CG49-036	9/27/2004	Metals	SS225993	5/4/1994	WQP
			CG49-036	9/27/2004	PCB	SS226293	5/3/1994	Metals
			CG49-036	9/27/2004	Rads	SS226293	5/3/1994	Rads
			CG49-036	9/27/2004	SVOC	SS226393	4/4/1994	Metals
			CG49-036	9/27/2004	VOC	SS226393	4/4/1994	Rads
			CG49-046	9/28/2004	Metals	SS226393	4/4/1994	WQP
			CG49-046	9/28/2004	PCB	SS227393	3/23/1994	Metals
			CG49-046	9/28/2004	Rads	SS227393	3/23/1994	Rads
			CG49-046	9/28/2004	SVOC	SS227393	3/23/1994	WQP
			CG49-046	9/28/2004	VOC	SS227493	3/23/1994	Metals
			CG49-050	9/27/2004	Metals	SS227493	3/23/1994	Rads
			CG49-050	9/27/2004	PCB	SS227493	3/23/1994	WQP
			CG49-050	9/27/2004	Rads	SS227793	5/2/1994	Metals
			CG49-050	9/27/2004	SVOC	SS227793	5/2/1994	Rads
			CG49-050	9/27/2004	VOC	SS229193	5/12/1994	Metals
			CG49-057	9/27/2004	Metals	SS229193	5/12/1994	Rads
			CG49-057	9/27/2004	PCB	SS229193	5/12/1994	SVOC
			CG49-057	9/27/2004	Rads	SS229193	5/12/1994	VOC
			CG49-057	9/27/2004	SVOC	SS229193	5/12/1994	WQP
			CG49-057	9/27/2004	VOC	SS230193	3/28/1994	Metals
			CG49-064	9/20/2004	Metals	SS230193	3/28/1994	Rads
			CG49-064	9/20/2004	PCB	SS230193	3/28/1994	WQP
			CG49-064	9/20/2004	Rads	SS230593	4/27/1994	Metals
			CG49-064	9/20/2004	SVOC	SS230593	4/27/1994	SVOC
			CG49-064	9/20/2004	VOC	SS230593	4/27/1994	VOC
			CG49-072	10/27/2004	PCB	SS230693	4/27/1994	Metals
			CG49-072	10/27/2004	SVOC	SS230693	4/27/1994	SVOC
			CG49-072	10/27/2004	VOC	SS230693	4/27/1994	VOC
			CG49-074	10/27/2004	PCB	SS300393	6/7/1994	Metals

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Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			CG49-074	10/27/2004	SVOC	SS300393	6/7/1994	Rads
			CG49-074	10/27/2004	VOC	SS300393	6/7/1994	SVOC
			CG49-076	10/27/2004	PCB	SS300393	6/7/1994	VOC
			CG49-076	10/27/2004	SVOC	SS300493	6/7/1994	Metals
			CG49-076	10/27/2004	VOC	SS300493	6/7/1994	Rads
			CG49-078	10/27/2004	PCB	SS300493	6/7/1994	SVOC
			CG49-078	10/27/2004	SVOC	SS300493	6/7/1994	VOC
			CG49-078	10/27/2004	VOC	SS300593	6/7/1994	Metals
			CG49-079	10/27/2004	PCB	SS300593	6/7/1994	Rads
			CG49-079	10/27/2004	SVOC	SS300593	6/7/1994	SVOC
			CG49-079	10/27/2004	VOC	SS300593	6/7/1994	VOC
			CG49-080	10/27/2004	PCB	SS300693	6/7/1994	Metals
			CG49-080	10/27/2004	SVOC	SS300693	6/7/1994	Rads
			CG49-080	10/27/2004	VOC	SS300693	6/7/1994	SVOC
			CH46-035	1/6/2004	Metals	SS300693	6/7/1994	VOC
			CH46-035	1/6/2004	Rads	SS300793	6/6/1994	Metals
			CH46-035	1/6/2004	VOC	SS300793	6/6/1994	Rads
			CH46-039	1/6/2004	Metals	SS300793	6/6/1994	SVOC
			CH46-039	1/6/2004	Rads	SS300793	6/6/1994	VOC
			CH46-039	1/6/2004	VOC	SS300893	6/6/1994	Metals
			CH46-044	1/15/2004	Metals	SS300893	6/6/1994	Rads
			CH46-044	1/15/2004	Rads	SS300893	6/6/1994	SVOC
			CH46-044	1/15/2004	VOC	SS300893	6/6/1994	VOC
			CH47-000	9/22/2003	Metals	SS301293	6/2/1994	Metals
			CH47-000	9/22/2003	Rads	SS301293	6/2/1994	Rads
			CH47-000	9/22/2003	VOC	SS301293	6/2/1994	SVOC
			CH47-001	9/18/2003	Metals	SS301293	6/2/1994	VOC
			CH47-001	9/18/2003	Rads	SS301393	6/2/1994	Metals
			CH47-001	9/18/2003	VOC	SS301393	6/2/1994	Rads
			CH47-004	8/27/2003	Metals	SS301393	6/2/1994	SVOC
			CH47-004	8/27/2003	Rads	SS301393	6/2/1994	VOC
			CH47-004	8/27/2003	VOC	SS302093	6/8/1994	Metals
			CH47-005	9/4/2003	Metals	SS302093	6/8/1994	Rads
			CH47-005	9/4/2003	Rads	SS302293	6/13/1994	Metals
			CH47-005	9/4/2003	VOC	SS302293	6/13/1994	Rads
			CH47-008	4/19/2004	Metals	SS304793	6/21/1994	Rads
			CH47-008	4/19/2004	Rads	SS306193	6/29/1994	Metals
			CH47-008	4/19/2004	SVOC	SS306193	6/29/1994	Rads
			CH47-008	4/19/2004	VOC	SS306293	6/29/1994	Metals
			CH47-009	4/20/2004	Metals	SS306293	6/29/1994	Rads
			CH47-009	4/20/2004	Rads	SS308393	7/11/1994	Metals
			CH47-009	4/20/2004	SVOC	SS308393	7/11/1994	Rads
			CH47-009	4/20/2004	VOC	SS309093	7/18/1994	Metals
			CH47-010	6/2/2004	Metals	SS309093	7/18/1994	Rads
			CH47-010	6/2/2004	Rads	SS309093	7/18/1994	VOC

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Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			CH47-010	6/2/2004	SVOC	SS309693	7/14/1994	Metals
			CH47-010	6/2/2004	VOC	SS309693	7/14/1994	Rads
			CH47-029	3/9/2004	Metals	SS309693	7/14/1994	VOC
			CH47-029	3/9/2004	Rads	SS309793	7/14/1994	Metals
			CH47-029	3/9/2004	VOC	SS309793	7/14/1994	Rads
			CH47-043	1/15/2004	Metals	SS309793	7/14/1994	VOC
			CH47-043	1/15/2004	Rads	SS400193	12/29/1992	Metals
			CH47-043	1/15/2004	VOC	SS400193	12/29/1992	PCB
			CH47-053	2/23/2004	Metals	SS400193	12/29/1992	Pesticide
			CH47-053	2/23/2004	Rads	SS400193	12/29/1992	Rads
			CH47-053	2/23/2004	VOC	SS400193	12/29/1992	SVOC
			CH48-000	8/26/2002	Metals	SS400193	12/29/1992	VOC
			CH48-000	8/26/2002	Rads	SS400493	12/30/1992	Metals
			CH48-000	8/26/2002	WQP	SS400493	12/30/1992	PCB
			CH48-003	2/25/2003	Metals	SS400493	12/30/1992	Pesticide
			CH48-003	2/25/2003	Rads	SS400493	12/30/1992	Rads
			CH48-003	2/25/2003	WQP	SS400493	12/30/1992	SVOC
			CH48-014	1/21/2003	Metals	SS400493	12/30/1992	VOC
			CH48-014	1/21/2003	PCB	SS401493	12/29/1992	Metals
			CH48-014	1/21/2003	Rads	SS401493	12/29/1992	PCB
			CH48-014	1/21/2003	SVOC	SS401493	12/29/1992	Pesticide
			CH48-014	1/21/2003	VOC	SS401493	12/29/1992	Rads
			CH48-016	8/26/2002	Metals	SS401493	12/29/1992	SVOC
			CH48-016	8/26/2002	Rads	SS401493	12/29/1992	VOC
			CH48-016	8/26/2002	WQP	SS401993	12/29/1992	Metals
			CH48-017	2/25/2003	Metals	SS401993	12/29/1992	PCB
			CH48-017	2/25/2003	Rads	SS401993	12/29/1992	Pesticide
			CH48-017	2/25/2003	WQP	SS401993	12/29/1992	Rads
			CH48-020	1/23/2003	Metals	SS401993	12/29/1992	SVOC
			CH48-020	1/23/2003	Rads	SS401993	12/29/1992	VOC
			CH48-020	1/23/2003	WQP	SS402393	12/30/1992	Metals
			CH48-021	1/23/2003	Metals	SS402393	12/30/1992	PCB
			CH48-021	1/23/2003	Rads	SS402393	12/30/1992	Pesticide
			CH48-021	1/23/2003	WQP	SS402393	12/30/1992	Rads
			CH48-022	8/27/2003	Metals	SS402393	12/30/1992	SVOC
			CH48-022	8/27/2003	Rads	SS402393	12/30/1992	VOC
			CH48-022	8/27/2003	VOC	SS402993	5/27/1993	Metals
			CH48-051	12/29/2003	Rads	SS402993	5/27/1993	PCB
			CH49-003	1/23/2003	Metals	SS402993	5/27/1993	Pesticide
			CH49-003	1/23/2003	PCB	SS402993	5/27/1993	Rads
			CH49-003	1/23/2003	Rads	SS402993	5/27/1993	SVOC
			CH49-003	1/23/2003	SVOC	SS402993	5/27/1993	VOC
			CH49-003	1/23/2003	VOC	SS403493	5/17/1993	Metals
			CH49-020	5/27/2004	Metals	SS403493	5/17/1993	PCB
			CH49-020	5/27/2004	PCB	SS403493	5/17/1993	Pesticide

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Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			CH49-020	5/27/2004	Rads	SS403493	5/17/1993	Rads
			CH49-020	5/27/2004	SVOC	SS403493	5/17/1993	SVOC
			CH49-020	5/27/2004	VOC	SS403493	5/17/1993	VOC
			CH49-023	5/27/2004	Metals	SS431094	11/14/1994	Metals
			CH49-023	5/27/2004	PCB	SS431094	11/14/1994	Rads
			CH49-023	5/27/2004	Rads	SS431094	11/14/1994	SVOC
			CH49-023	5/27/2004	SVOC	SS431094	11/14/1994	VOC
			CH49-023	5/27/2004	VOC	SS432694	11/14/1994	Metals
			CH49-024	5/27/2004	PCB	SS432694	11/14/1994	Rads
			CH49-034	9/20/2004	Metals	SS432694	11/14/1994	SVOC
			CH49-034	9/20/2004	PCB	SS432694	11/14/1994	VOC
			CH49-034	9/20/2004	Rads	SS433394	9/27/1994	Rads
			CH49-034	9/20/2004	SVOC	SS434794	9/22/1994	Rads
			CH49-034	9/20/2004	VOC	SS434894	9/27/1994	Rads
			CI38-002	5/29/2002	Metals	SS438594	10/18/1994	Rads
			CI38-002	5/29/2002	Rads	SS438694	10/4/1994	Rads
			CI38-002	5/29/2002	VOC	SS438794	10/18/1994	Rads
			CI38-003	3/21/2002	Metals	SS438894	10/4/1994	Rads
			CI38-003	3/21/2002	Rads	SS438994	10/4/1994	Rads
			CI38-003	3/21/2002	VOC	SS439094	10/4/1994	Rads
			CI38-004	3/21/2002	Metals	SS439994	8/31/1994	Metals
			CI38-004	3/21/2002	Rads	SS439994	8/31/1994	Rads
			CI38-004	3/21/2002	VOC	SS440594	9/7/1994	Metals
			CI38-007	3/21/2002	Metals	SS440594	9/7/1994	Rads
			CI38-007	3/21/2002	Rads	SS441394	8/29/1994	Metals
			CI38-007	3/21/2002	VOC	SS441394	8/29/1994	Rads
			CI38-021	5/29/2002	Metals	SS442294	9/8/1994	Metals
			CI38-021	5/29/2002	Rads	SS442294	9/8/1994	Rads
			CI38-021	5/29/2002	VOC	SS442394	9/7/1994	Metals
			CI38-022	5/29/2002	Metals	SS442394	9/7/1994	Rads
			CI38-022	5/29/2002	Rads	SS443194	9/8/1994	Metals
			CI38-022	5/29/2002	VOC	SS443194	9/8/1994	Rads
			CI38-023	5/15/2002	Metals	SS443294	9/7/1994	Metals
			CI38-023	5/15/2002	Rads	SS443294	9/7/1994	Rads
			CI38-023	5/15/2002	SVOC	SS444094	9/8/1994	Metals
			CI38-023	5/15/2002	VOC	SS444094	9/8/1994	Rads
			CI38-023	5/15/2002	WQP	SS444194	9/7/1994	Metals
			CI38-024	4/18/2002	Metals	SS444194	9/7/1994	Rads
			CI38-024	4/18/2002	Rads	SS444994	9/8/1994	Metals
			CI38-024	4/18/2002	SVOC	SS444994	9/8/1994	Rads
			CI38-024	4/18/2002	VOC	SS445094	9/7/1994	Metals
			CI38-025	5/15/2002	Metals	SS445094	9/7/1994	Rads
			CI38-025	5/15/2002	Rads	SS445894	9/8/1994	Metals
			CI38-025	5/15/2002	SVOC	SS445894	9/8/1994	Rads
			CI38-025	5/15/2002	VOC	SS445994	9/7/1994	Metals

Sediment			Subsurface Soil			Surface Soil		
Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			CI38-028	4/18/2002	Metals	SS445994	9/7/1994	Rads
			CI38-028	4/18/2002	Rads	SS446794	9/8/1994	Metals
			CI38-028	4/18/2002	SVOC	SS446794	9/8/1994	Rads
			CI38-028	4/18/2002	VOC	SS447594	9/9/1994	Metals
			CI38-031	5/15/2002	Metals	SS447594	9/9/1994	Rads
			CI38-031	5/15/2002	Rads	SS447694	9/9/1994	Metals
			CI38-031	5/15/2002	SVOC	SS447694	9/9/1994	Rads
			CI38-031	5/15/2002	VOC	SS448494	9/9/1994	Metals
			CI38-031	5/15/2002	WQP	SS448494	9/9/1994	Rads
			CI38-033	4/18/2002	Metals	SS448694	9/15/1994	Metals
			CI38-033	4/18/2002	Rads	SS448694	9/15/1994	Rads
			CI38-033	4/18/2002	SVOC	SS448794	9/19/1994	Metals
			CI38-033	4/18/2002	VOC	SS448794	9/19/1994	Rads
			CI38-046	5/16/2002	Metals	SS449994	9/21/1994	Metals
			CI38-046	5/16/2002	Rads	SS449994	9/21/1994	Rads
			CI38-046	5/16/2002	SVOC	SS451694	9/20/1994	Metals
			CI38-046	5/16/2002	VOC	SS451694	9/20/1994	Rads
			CI38-046	5/16/2002	WQP	SS451794	9/20/1994	Metals
			CI38-047	5/16/2002	Metals	SS451794	9/20/1994	Rads
			CI38-047	5/16/2002	Rads	SS451894	9/20/1994	Metals
			CI38-047	5/16/2002	SVOC	SS451894	9/20/1994	Rads
			CI38-047	5/16/2002	VOC	SS451994	9/20/1994	Metals
			CI38-047	5/16/2002	WQP	SS451994	9/20/1994	Rads
			CI39-004	5/28/2002	Metals	SS452094	9/20/1994	Metals
			CI39-004	5/28/2002	Rads	SS452094	9/20/1994	Rads
			CI39-004	5/28/2002	VOC	SS452194	9/20/1994	Metals
			CI39-005	5/29/2002	Metals	SS452194	9/20/1994	Rads
			CI39-005	5/29/2002	Rads	SS453594	12/1/1994	Rads
			CI39-005	5/29/2002	VOC	SS453694	12/1/1994	Rads
			CI41-004	9/7/2004	Metals	SS456194	10/25/1994	Metals
			CI41-004	9/7/2004	PCB	SS456194	10/25/1994	Rads
			CI41-004	9/7/2004	Rads	SS456194	10/25/1994	SVOC
			CI41-004	9/7/2004	SVOC	SS456194	10/25/1994	VOC
			CI41-004	9/7/2004	VOC	SS456394	10/19/1994	Metals
			CI42-000	9/22/2004	Metals	SS456394	10/19/1994	Rads
			CI42-000	9/22/2004	PCB	SS456394	10/19/1994	SVOC
			CI42-000	9/22/2004	Rads	SS456394	10/19/1994	VOC
			CI42-000	9/22/2004	SVOC	SS456494	10/19/1994	Metals
			CI42-000	9/22/2004	VOC	SS456494	10/19/1994	Rads
			CI42-001	9/15/2004	Metals	SS456494	10/19/1994	SVOC
			CI42-001	9/15/2004	PCB	SS456494	10/19/1994	VOC
			CI42-001	9/15/2004	Rads	SS456994	10/12/1994	Metals
			CI42-001	9/15/2004	SVOC	SS456994	10/12/1994	Rads
			CI42-001	9/15/2004	VOC	SS456994	10/12/1994	SVOC
			CI42-003	8/31/2004	Metals	SS456994	10/12/1994	VOC

Sediment			Subsurface Soil			Surface Soil		
Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			CI42-003	8/31/2004	PCB	SS457394	10/11/1994	Metals
			CI42-003	8/31/2004	Rads	SS457394	10/11/1994	Rads
			CI42-003	8/31/2004	SVOC	SS457394	10/11/1994	SVOC
			CI42-003	8/31/2004	VOC	SS457394	10/11/1994	VOC
			CI42-006	8/31/2004	Metals	SS457494	10/18/1994	Metals
			CI42-006	8/31/2004	PCB	SS457494	10/18/1994	Rads
			CI42-006	8/31/2004	Rads	SS457494	10/18/1994	SVOC
			CI42-006	8/31/2004	SVOC	SS457494	10/18/1994	VOC
			CI42-006	8/31/2004	VOC	SS457594	10/18/1994	Metals
			CI42-007	8/31/2004	Metals	SS457594	10/18/1994	Rads
			CI42-007	8/31/2004	PCB	SS457594	10/18/1994	SVOC
			CI42-007	8/31/2004	Rads	SS457594	10/18/1994	VOC
			CI42-007	8/31/2004	SVOC	SS457694	10/18/1994	Metals
			CI42-007	8/31/2004	VOC	SS457694	10/18/1994	Rads
			CI42-008	9/8/2004	Metals	SS457694	10/18/1994	SVOC
			CI42-008	9/8/2004	PCB	SS457694	10/18/1994	VOC
			CI42-008	9/8/2004	Rads	SS460094	10/11/1994	Rads
			CI42-008	9/8/2004	SVOC	SS460294	10/25/1994	Rads
			CI42-008	9/8/2004	VOC	SS460494	10/10/1994	Rads
			CI42-009	9/21/2004	Metals	SS460594	10/10/1994	Rads
			CI42-009	9/21/2004	PCB	SS460694	10/10/1994	Rads
			CI42-009	9/21/2004	Rads	SS460794	10/10/1994	Rads
			CI42-009	9/21/2004	SVOC	SS460894	10/10/1994	Rads
			CI42-009	9/21/2004	VOC	SS462094	9/28/1994	Rads
			CI44-000	9/15/2004	Metals	SS463194	9/29/1994	Rads
			CI44-000	9/15/2004	PCB	SS464194	10/4/1994	Rads
			CI44-000	9/15/2004	Rads	SS600092	2/10/1993	Metals
			CI44-000	9/15/2004	SVOC	SS600092	2/10/1993	PCB
			CI44-000	9/15/2004	VOC	SS600092	2/10/1993	Pesticide
			CI45-013	1/13/2004	Metals	SS600092	2/10/1993	Rads
			CI45-013	1/13/2004	Rads	SS600092	2/10/1993	SVOC
			CI45-013	1/13/2004	VOC	SS600092	2/10/1993	VOC
			CI46-024	1/13/2004	Metals	SS600092	2/10/1993	WQP
			CI46-024	1/13/2004	Rads	SS600292	2/10/1993	Metals
			CI46-024	1/13/2004	VOC	SS600292	2/10/1993	PCB
			CI46-037	12/31/2003	Rads	SS600292	2/10/1993	Pesticide
			CI46-038	12/31/2003	Rads	SS600292	2/10/1993	Rads
			CI47-DR01	10/10/2002	Metals	SS600292	2/10/1993	SVOC
			CI47-DR01	10/10/2002	Rads	SS600292	2/10/1993	VOC
			CI47-DR01	10/10/2002	WQP	SS600292	2/10/1993	WQP
			CI48-039	12/23/2003	Rads	SS600392	2/10/1993	Metals
			CJ41-000	9/9/2004	Metals	SS600392	2/10/1993	PCB
			CJ41-000	9/9/2004	PCB	SS600392	2/10/1993	Pesticide
			CJ41-000	9/9/2004	Rads	SS600392	2/10/1993	Rads
			CJ41-000	9/9/2004	SVOC	SS600392	2/10/1993	SVOC

Sediment			Subsurface Soil			Surface Soil		
Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			CJ41-000	9/9/2004	VOC	SS600392	2/10/1993	VOC
			CJ41-002	9/9/2004	Metals	SS600392	2/10/1993	WQP
			CJ41-002	9/9/2004	PCB	SS609992	10/7/1992	Metals
			CJ41-002	9/9/2004	Rads	SS609992	10/7/1992	PCB
			CJ41-002	9/9/2004	SVOC	SS609992	10/7/1992	Pesticide
			CJ41-002	9/9/2004	VOC	SS609992	10/7/1992	Rads
			CJ42-001	9/8/2004	Metals	SS610592	10/8/1992	Metals
			CJ42-001	9/8/2004	PCB	SS610592	10/8/1992	PCB
			CJ42-001	9/8/2004	Rads	SS610592	10/8/1992	Pesticide
			CJ42-001	9/8/2004	SVOC	SS610592	10/8/1992	Rads
			CJ42-001	9/8/2004	VOC	SS610592	10/8/1992	WQP
			CJ43-002	9/2/2004	Metals	SS610692	10/8/1992	Metals
			CJ43-002	9/2/2004	PCB	SS610692	10/8/1992	PCB
			CJ43-002	9/2/2004	Rads	SS610692	10/8/1992	Pesticide
			CJ43-002	9/2/2004	SVOC	SS610692	10/8/1992	Rads
			CJ43-002	9/2/2004	VOC	SS611292	10/8/1992	Metals
			CJ45-010	2/23/2004	Metals	SS611292	10/8/1992	PCB
			CJ45-010	2/23/2004	Rads	SS611292	10/8/1992	Pesticide
			CJ45-010	2/23/2004	VOC	SS611292	10/8/1992	Rads
			CJ46-010	2/23/2004	Metals	SS611292	10/8/1992	WQP
			CJ46-010	2/23/2004	Rads	SS612092	9/28/1992	Metals
			CJ46-010	2/23/2004	VOC	SS612092	9/28/1992	PCB
			CJ46-011	2/23/2004	Metals	SS612092	9/28/1992	Pesticide
			CJ46-011	2/23/2004	Rads	SS612092	9/28/1992	Rads
			CJ46-011	2/23/2004	VOC	SS612092	9/28/1992	WQP
			CJ46-018	1/12/2004	Metals	SS612192	9/29/1992	Metals
			CJ46-018	1/12/2004	Rads	SS612192	9/29/1992	PCB
			CJ46-018	1/12/2004	VOC	SS612192	9/29/1992	Pesticide
			CJ46-021	1/13/2004	Metals	SS612192	9/29/1992	WQP
			CJ46-021	1/13/2004	Rads	SS612992	9/29/1992	Metals
			CJ46-021	1/13/2004	VOC	SS612992	9/29/1992	PCB
			CJ46-057	2/9/2004	Metals	SS612992	9/29/1992	Pesticide
			CJ46-057	2/9/2004	Rads	SS612992	9/29/1992	WQP
			CJ46-057	2/9/2004	SVOC	SS613392	9/29/1992	Metals
			CJ46-057	2/9/2004	VOC	SS613392	9/29/1992	PCB
			CJ48-004	8/26/2002	Metals	SS613392	9/29/1992	Pesticide
			CJ48-004	8/26/2002	Rads	SS613392	9/29/1992	WQP
			CJ48-041	12/23/2003	Rads	SS613892	10/1/1992	Metals
			CM42-004	12/31/2003	Metals	SS613892	10/1/1992	PCB
			CM42-004	12/31/2003	Rads	SS613892	10/1/1992	Pesticide
			CM42-004	12/31/2003	VOC	SS613892	10/1/1992	Rads
			CM42-005	6/3/2003	Metals	SS613892	10/1/1992	WQP
			CM42-005	6/3/2003	Rads	SS613992	10/1/1992	Metals
			CM42-005	6/3/2003	VOC	SS613992	10/1/1992	PCB
			CM42-006	4/3/2003	Metals	SS613992	10/1/1992	Pesticide

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Sediment			Subsurface Soil			Surface Soil		
Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			CM42-006	4/3/2003	Rads	SS613992	10/1/1992	Rads
			CM42-006	4/3/2003	VOC	SS613992	10/1/1992	WQP
			CM42-007	5/29/2003	Metals	SS614092	10/1/1992	Metals
			CM42-007	5/29/2003	Rads	SS614092	10/1/1992	PCB
			CM42-007	5/29/2003	VOC	SS614092	10/1/1992	Pesticide
			CM42-010	4/3/2003	Metals	SS614092	10/1/1992	Rads
			CM42-010	4/3/2003	Rads	SS614092	10/1/1992	WQP
			CM42-010	4/3/2003	VOC	SS614192	10/1/1992	Metals
			CM42-011	4/3/2003	Metals	SS614192	10/1/1992	PCB
			CM42-011	4/3/2003	Rads	SS614192	10/1/1992	Pesticide
			CM42-011	4/3/2003	VOC	SS614192	10/1/1992	Rads
			CM42-013	4/3/2003	Metals	SS614192	10/1/1992	WQP
			CM42-013	4/3/2003	Rads	SS614292	10/1/1992	Metals
			CM42-013	4/3/2003	VOC	SS614292	10/1/1992	PCB
			CM43-000	5/29/2003	Metals	SS614292	10/1/1992	Pesticide
			CM43-000	5/29/2003	Rads	SS614292	10/1/1992	Rads
			CM43-000	5/29/2003	VOC	SS614292	10/1/1992	WQP
			CM43-002	4/9/2003	Metals	SS614992	10/6/1992	Metals
			CM43-002	4/9/2003	Rads	SS614992	10/6/1992	PCB
			CM43-002	4/9/2003	VOC	SS614992	10/6/1992	Pesticide
			CN42-017	12/31/2003	Metals	SS614992	10/6/1992	Rads
			CN42-017	12/31/2003	Rads	SS614992	10/6/1992	WQP
			CN42-017	12/31/2003	VOC	SS620592	1/28/1993	Metals
			CN42-020	6/3/2003	Metals	SS620592	1/28/1993	PCB
			CN42-020	6/3/2003	Rads	SS620592	1/28/1993	Pesticide
			CN42-020	6/3/2003	VOC	SS620592	2/22/1993	Rads
			CN42-024	5/29/2003	Metals	SS621092	2/12/1993	Metals
			CN42-024	5/29/2003	Rads	SS621092	2/12/1993	PCB
			CN42-024	5/29/2003	VOC	SS621092	2/12/1993	Pesticide
			CO42-000	12/18/2003	Metals	SS621092	2/12/1993	Rads
			CO42-000	12/18/2003	Rads	SS621092	2/12/1993	WQP
			CO42-000	12/18/2003	VOC	SS800193	12/2/1994	Metals
			CO43-001	4/2/2003	Metals	SS800193	12/2/1994	Rads
			CO43-001	4/2/2003	Rads	SS800193	12/2/1994	SVOC
			CO43-001	4/2/2003	VOC	SS800193	12/2/1994	VOC
			CP40-001	6/26/2002	Metals	SS800193	12/2/1994	WQP
			CP40-001	6/26/2002	PCB	SS800293	12/2/1994	Metals
			CP40-001	6/26/2002	Pesticide	SS800293	12/2/1994	Rads
			CP40-001	6/26/2002	Rads	SS800293	12/2/1994	SVOC
			CP40-001	6/26/2002	SVOC	SS800293	12/2/1994	VOC
			CP40-001	6/26/2002	VOC	SS800293	12/2/1994	WQP
			CP45-000	10/22/2002	Metals	SS800393	12/1/1994	Metals
			CP45-000	10/22/2002	Rads	SS800393	12/1/1994	Rads
			CP45-000	10/22/2002	VOC	SS800393	12/1/1994	SVOC
			CP45-000	11/18/2002	Metals	SS800393	12/1/1994	VOC

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Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			CP45-000	11/18/2002	Rads	SS800393	12/1/1994	WQP
			CP45-000	11/18/2002	VOC	SS800493	12/1/1994	Metals
			CQ40-000	5/22/2002	Metals	SS800493	12/1/1994	Rads
			CQ40-000	5/22/2002	PCB	SS800493	12/1/1994	SVOC
			CQ40-000	5/22/2002	Pesticide	SS800493	12/1/1994	VOC
			CQ40-000	5/22/2002	Rads	SS800493	12/1/1994	WQP
			CQ40-000	5/22/2002	SVOC	SS800593	12/1/1994	Metals
			CQ40-000	5/22/2002	VOC	SS800593	12/1/1994	Rads
			CQ40-003	8/15/2002	PCB	SS800593	12/1/1994	SVOC
			CQ40-003	8/15/2002	VOC	SS800593	12/1/1994	VOC
			CQ41-002	8/14/2002	PCB	SS800593	12/1/1994	WQP
			CQ41-002	8/14/2002	VOC	SS800693	12/1/1994	Metals
			CQ41-004	8/20/2002	PCB	SS800693	12/1/1994	Rads
			CQ41-004	8/20/2002	VOC	SS800693	12/1/1994	SVOC
			CQ41-008	9/11/2002	VOC	SS800693	12/1/1994	VOC
			CQ41-010	9/9/2002	PCB	SS800693	12/1/1994	WQP
			CQ41-010	9/9/2002	VOC	SS800793	12/1/1994	Metals
			CQ41-012	10/1/2002	VOC	SS800793	12/1/1994	Rads
			CQ41-013	10/1/2002	VOC	SS800793	12/1/1994	SVOC
			CQ42-000	10/21/2002	VOC	SS800793	12/1/1994	VOC
			CR44-000	9/8/2003	Metals	SS800793	12/1/1994	WQP
			CR44-000	9/8/2003	Rads	SS800893	12/1/1994	Metals
			CR44-000	9/8/2003	VOC	SS800893	12/1/1994	Rads
			CR45-000	8/19/2002	Metals	SS800893	12/1/1994	SVOC
			CR45-000	8/19/2002	Rads	SS800893	12/1/1994	VOC
			CR45-000	8/19/2002	VOC	SS800893	12/1/1994	WQP
			SS10199	10/7/1999	Metals	SS800993	12/1/1994	Metals
			SS10199	10/7/1999	Rads	SS800993	12/1/1994	Rads
			SS10299	10/7/1999	Metals	SS800993	12/1/1994	SVOC
			SS10299	10/7/1999	Rads	SS800993	12/1/1994	VOC
			SS10399	10/8/1999	Metals	SS800993	12/1/1994	WQP
			SS10399	10/8/1999	Rads	SS801293	11/2/1994	Metals
			SS10499	10/8/1999	Metals	SS801293	11/2/1994	Rads
			SS10499	10/8/1999	Rads	SS801393	11/2/1994	Metals
			SS9910100	1/12/2000	Metals	SS801393	11/2/1994	Rads
			SS9910100	1/12/2000	VOC	SS801693	10/27/1994	Metals
			SS9910200	1/12/2000	Metals	SS801693	10/27/1994	Rads
			SS9910200	1/12/2000	VOC	SS801693	10/27/1994	SVOC
			SS9910300	1/12/2000	Metals	SS801693	10/27/1994	VOC
			SS9910300	1/12/2000	VOC	SS801893	10/27/1994	Metals
			SS9910500	1/12/2000	Metals	SS801893	10/27/1994	Rads
			SS9910500	1/12/2000	VOC	SS801893	10/27/1994	SVOC
			SS9910600	1/12/2000	Metals	SS801893	10/27/1994	VOC
			SS9910600	1/12/2000	VOC	SS802193	10/27/1994	Metals
			SS9910700	1/12/2000	Metals	SS802193	10/27/1994	Rads

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Sediment			Subsurface Soil			Surface Soil		
Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
			SS9910700	1/12/2000	VOC	SS802193	10/27/1994	SVOC
						SS802193	10/27/1994	VOC
						SS802593	10/31/1994	Metals
						SS802593	10/31/1994	Rads
						SS802593	10/31/1994	SVOC
						SS802593	10/31/1994	VOC
						SS802693	10/31/1994	Metals
						SS802693	10/31/1994	Rads
						SS802693	10/31/1994	SVOC
						SS802693	10/31/1994	VOC
						SS802793	10/31/1994	Metals
						SS802793	10/31/1994	Rads
						SS802793	10/31/1994	SVOC
						SS802793	10/31/1994	VOC
						SS802893	10/31/1994	Metals
						SS802893	10/31/1994	Rads
						SS802893	10/31/1994	SVOC
						SS802893	10/31/1994	VOC
						SS802993	10/31/1994	Metals
						SS802993	10/31/1994	Rads
						SS802993	10/31/1994	SVOC
						SS802993	10/31/1994	VOC
						SS803193	11/30/1994	Metals
						SS807593	12/12/1994	Metals
						SS807593	12/12/1994	Rads
						SS807593	12/12/1994	SVOC
						SS807593	12/12/1994	VOC
						SS807693	12/12/1994	Metals
						SS807693	12/12/1994	Rads
						SS807693	12/12/1994	SVOC
						SS807693	12/12/1994	VOC
						SS807793	12/12/1994	Metals
						SS807793	12/12/1994	Rads
						SS807793	12/12/1994	SVOC
						SS807793	12/12/1994	VOC
						SS808093	12/12/1994	Metals
						SS808093	12/12/1994	Rads
						SS808093	12/12/1994	SVOC
						SS808093	12/12/1994	VOC
						SS808193	11/18/1994	Metals
						SS808193	11/18/1994	Rads
						SS808193	11/18/1994	SVOC
						SS808193	11/18/1994	VOC
						SS808293	11/18/1994	Metals
						SS808293	11/18/1994	Rads

Sediment			Subsurface Soil			Surface Soil		
Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group	Location Code	Collection Date	Analyte Group
						SS808293	11/18/1994	SVOC
						SS808293	11/18/1994	VOC
						SS810693	12/2/1994	Metals
						SS810693	12/2/1994	Rads
						SS810693	12/2/1994	SVOC
						SS810693	12/2/1994	VOC
						SS810893	12/2/1994	Metals
						SS810893	12/2/1994	Rads
						SS810893	12/2/1994	SVOC
						SS810893	12/2/1994	VOC
						SS811293	12/5/1994	Metals
						SS811293	12/5/1994	Rads
						SS811293	12/5/1994	SVOC
						SS811293	12/5/1994	VOC
						SS811493	12/2/1994	Metals
						SS811493	12/2/1994	Rads
						SS811493	12/2/1994	SVOC
						SS811493	12/2/1994	VOC
						SS811593	12/13/1994	Metals
						SS811593	12/13/1994	Rads
						SS811593	12/13/1994	SVOC
						SS811593	12/13/1994	VOC
						SS811993	12/6/1994	Metals
						SS811993	12/6/1994	Rads
						SS811993	12/6/1994	SVOC
						SS811993	12/6/1994	VOC
						SS812193	11/7/1994	Metals
						SS812493	11/7/1994	Metals

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Table 6 Summary of Constituents Above Background in Sediment

Analyte	Total Number Samples Analyzed	Detection Frequency Above BG or MDL/RL	Average Conc	Maximum Conc	BG Mean Plus 2SD	Wildlife Refuge Worker AL	Unit
Aluminum	99	4%	22025	28000	15713.07	228000	mg/kg
Antimony	113	4%	18.0	26.3	13.01	409	mg/kg
Arsenic	115	20%	11.2	17.8	7.24	22.2	mg/kg
Barium	115	16%	806	1181	188.17	26400	mg/kg
Cadmium	115	6%	4.80	14.2	1.88	962	mg/kg
Chromium	115	19%	44.9	77	23.23	268	mg/kg
Copper	115	15%	94.7	324	27.27	40900	mg/kg
Iron	115	17%	30526	48100	21379	307000	mg/kg
Lead	115	3%	156	170	95.6	1000	mg/kg
Manganese	115	3%	1122	1750	659.22	3480	mg/kg
Mercury	74	3%	2.01	2.27	0.34	25200	mg/kg
Nickel	115	23%	40.5	216	17.89	20400	mg/kg
Silver	114	9%	11.1	39.3	2.28	5110	mg/kg
Strontium	115	7%	254	320	201.44	613000	mg/kg
Vanadium	115	11%	120	142	46.83	7150	mg/kg
Zinc	115	58%	290	2670	104.4	307000	mg/kg
Aroclor-1254	77	29%	1549	11900	-	12400	ug/kg
Aroclor-1260	75	1%	630	630	-	12400	ug/kg
Americium-241	141	22%	0.87	4.5	0.27	76	pCi/g
Plutonium-239/240	147	10%	5.46	25.7	1.35	50	pCi/g
Uranium-234	115	11%	5.10	9.81	3.98	300	pCi/g
Uranium-235	115	18%	0.236	0.852	0.15	8	pCi/g
Uranium-238	115	17%	7.70	59	3.46	351	pCi/g
2-Methylnaphthalene	72	3%	49.0	52	-	20400000	ug/kg
Acenaphthene	72	6%	156	240	-	40800000	ug/kg
Anthracene	72	19%	174	970	-	204000000	ug/kg
Benzo(a)anthracene	72	31%	392	1400	-	34900	ug/kg
Benzo(a)pyrene	72	19%	477	1300	-	3490	ug/kg
Benzo(b)fluoranthene	72	22%	487	1500	-	34900	ug/kg
Benzo(k)fluoranthene	72	21%	405	1100	-	349000	ug/kg
Benzoic Acid	50	2%	1400	1400	-	1000000000	ug/kg
bis(2-Ethylhexyl)phthalate	72	11%	2876	8800	-	1970000	ug/kg
Butylbenzylphthalate	72	7%	461	1700	-	147000000	ug/kg
Chrysene	72	31%	421	1500	-	3490000	ug/kg
Di-n-octylphthalate	72	10%	3341	9800	-	14700000	ug/kg
Dibenz(a,h)anthracene	72	4%	56.7	71	-	3490	ug/kg
Dimethylphthalate	72	6%	211	490	-	1000000000	ug/kg
Fluoranthene	72	42%	961	3100	-	27200000	ug/kg
Fluorene	72	3%	185	190	-	40800000	ug/kg
Indeno(1,2,3-cd)pyrene	72	14%	231	890	-	34900	ug/kg
Pentachlorophenol	72	3%	495	570	-	162000	ug/kg

Analyte	Total Number Samples Analyzed	Detection Frequency Above BG or MDL/RL	Average Conc	Maximum Conc	BG Mean Plus 2SD	Wildlife Refuge Worker AL	Unit
Pyrene	72	36%	1067	3900	-	22100000	ug/kg
1,2-Dichloroethane	73	1%	5.00	5	-	106000	ug/kg
Acetone	80	1%	6.70	6.7	-	102000000	ug/kg
Carbon Tetrachloride	82	1%	11.0	11	-	81500	ug/kg
Ethylbenzene	82	1%	9.00	9	-	4250000	ug/kg
Methylene chloride	81	25%	17.7	56	-	2530000	ug/kg
Naphthalene	93	3%	93.7	150	-	3090000	ug/kg
Tetrachloroethene	82	1%	7.00	7	-	615000	ug/kg
Toluene	82	6%	64	140	-	31300000	ug/kg
Xylene	82	1%	68	68	-	2040000	ug/kg
	Exceeds Wildlife Refuge Worker Action Level						

Note: Analytes shown are those that were detected at least once above background levels and have a Wildlife Refuge Worker Action Level. The maximum concentration is the maximum detected value, and the average concentration is the average of the data that exceed background.
AL - Action Level
BG – Background
MDL/RL – Method Detection Limit/Reporting Limit (used in reference to organics only)
SD – Standard Deviation

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Table 7 Summary of Constituents Above Background in Surface Soil

Analyte Group	Analyte	Total Number Samples Analyzed	Detection Frequency Above BG or MDL/RL	Average Conc.	Maximum Conc.	BG Mean Plus 2SD	Wildlife Refuge Worker AL	Unit
Metal	Aluminum	311	16%	22729	61000	16902	228000	mg/kg
Metal	Antimony	338	14%	6.93	27.8	0.47	409	mg/kg
Metal	Arsenic	354	13%	16.3	56.2	10.1	22.2	mg/kg
Metal	Barium	354	19%	526	1150	141.	26400	mg/kg
Metal	Beryllium	311	17%	1.37	2.7	0.966	921	mg/kg
Metal	Cadmium	352	6%	7.31	42.3	1.612	962	mg/kg
Metal	Chromium	354	35%	36.3	193	16.99	268	mg/kg
Metal	Cobalt	354	7%	19.9	85	10.91	1550	mg/kg
Metal	Copper	354	45%	69.6	1340	18.1	40900	mg/kg
Metal	Iron	354	21%	30000	130000	18037	307000	mg/kg
Metal	Lead	351	7%	114	300	54.6	1000	mg/kg
Metal	Lithium	313	17%	16.2	50	11.55	20400	mg/kg
Metal	Manganese	352	16%	554	1240	365	3480	mg/kg
Metal	Mercury	311	6%	0.437	2.42	0.134	25200	mg/kg
Metal	Nickel	354	32%	29.0	170	14.9	20400	mg/kg
Metal	Selenium	354	1%	1.62	2.03	1.22	5110	mg/kg
Metal	Strontium	354	27%	149	467	48.9	613000	mg/kg
Metal	Tin	354	6%	10.1	55.3	2.9	613000	mg/kg
Metal	Uranium, Total	190	3%	16.0	35	5.98	2750	mg/kg
Metal	Vanadium	354	20%	95.7	211	45.6	7150	mg/kg
Metal	Zinc	354	46%	206	1300	73.8	307000	mg/kg
PCB	Aroclor-1254	99	19%	185	1300	-	12400	ug/kg
PCB	Aroclor-1260	95	12%	58	280	-	12400	ug/kg
Pesticide	4,4'-DDD	46	2%	3.50	3.5	-	143000	ug/kg
Pesticide	Dieldrin	46	7%	47.7	92	-	1720	ug/kg
Radionuclide	Americium-241	359	32%	0.84	16	0.0227	76	pCi/g
Radionuclide	Plutonium-239/240	397	34%	3.18	91.2	0.066	50	pCi/g
Radionuclide	Uranium-234	373	30%	4.10	10.57	2.25	300	pCi/g
Radionuclide	Uranium-235	373	43%	0.20	0.6506	0.0939	8	pCi/g
Radionuclide	Uranium-238	373	35%	4.14	35.68	2	351	pCi/g
SVOC	2-Methylnaphthalene	147	4%	3244	19000	-	20400000	ug/kg
SVOC	Acenaphthene	147	24%	312	1100	-	40800000	ug/kg
SVOC	Anthracene	147	27%	612	5100	-	204000000	ug/kg
SVOC	Benzo(a)anthracene	147	45%	977	9400	-	34900	ug/kg
SVOC	Benzo(a)pyrene	147	40%	1097	9200	-	3490	ug/kg
SVOC	Benzo(b)fluoranthene	147	41%	1105	8300	-	34900	ug/kg
SVOC	Benzo(k)fluoranthene	145	39%	756	6900	-	349000	ug/kg
SVOC	Benzoic Acid	137	1%	440	440	-	1000000000	ug/kg
SVOC	bis(2-Ethylhexyl)phthalate	147	11%	418	2100	-	1970000	ug/kg
SVOC	Butylbenzylphthalate	147	3%	686	1500	-	147000000	ug/kg
SVOC	Chrysene	147	47%	1095	10000	-	3490000	ug/kg

SVOC	Di-n-butylphthalate	147	1%	140	140	-	73700000	ug/kg
SVOC	Di-n-octylphthalate	147	2%	2570	7500	-	14700000	ug/kg
SVOC	Dibenz(a,h)anthracene	147	13%	458	2800	-	3490	ug/kg
SVOC	Dibenzofuran	147	7%	166	410	-	2950000	ug/kg
SVOC	Fluoranthene	147	50%	2016	18000	-	27200000	ug/kg
SVOC	Fluorene	147	18%	250	1200	-	40800000	ug/kg
SVOC	Indeno(1,2,3-cd)pyrene	147	33%	706	6200	-	34900	ug/kg
SVOC	Pentachlorophenol	147	1%	39000	39000	-	162000	ug/kg
SVOC	Pyrene	147	50%	1906	17000	-	22100000	ug/kg
VOC	1,1,2,2-Tetrachloroethane	55	7%	169	210	-	100000	ug/kg
VOC	1,2-Dichloroethene (total)	22	5%	16.0	16	-	9200000	ug/kg
VOC	Acetone	55	5%	63.6	170	-	102000000	ug/kg
VOC	Ethylbenzene	55	5%	63.2	173	-	4250000	ug/kg
VOC	Methylene chloride	55	11%	3.88	8	-	2530000	ug/kg
VOC	Naphthalene	169	7%	860	8900	-	3090000	ug/kg
VOC	Tetrachloroethene	55	5%	17.7	43	-	615000	ug/kg
VOC	Toluene	55	5%	110	310	-	31300000	ug/kg
VOC	Trichloroethene	55	5%	12.2	34	-	19600	ug/kg
VOC	Xylene	55	7%	268	933	-	2040000	ug/kg
	Exceeds Wildlife Refuge Worker Action Level							

Note: Analytes shown are those that were detected at least once above background levels and have a Wildlife Refuge Worker Action Level. The maximum concentration is the maximum detected value, and the average concentration is the average of the data that exceed background.
AL - Action Level
BG – Background
MDL/RL – Method Detection Limit/Reporting Limit (used in reference to organics only)
SD – Standard Deviation

Table 8 Summary of Constituents Above Background in Subsurface Soil

Analyte Group	Analyte	Total Number Samples Analyzed	Detection Frequency	Average Conc	Maximum Conc	BG Mean Plus 2SD	Wildlife Refuge Worker AL	Unit
Metal	Aluminum	415	7%	47148	110000	35373	228000	mg/kg
Metal	Antimony	441	0.2%	19.3	19.3	16.97	409	mg/kg
Metal	Arsenic	460	8%	18.2	39	13.14	22.2	mg/kg
Metal	Barium	460	11%	629.0	1150	289	26400	mg/kg
Metal	Cadmium	459	2%	8.5	21.3	1.7	962	mg/kg
Metal	Chromium	460	2%	137.6	408	68.27	268	mg/kg
Metal	Cobalt	460	1%	41.5	74	29.04	1550	mg/kg
Metal	Copper	460	11%	78.8	275	38.21	40900	mg/kg
Metal	Iron	460	1%	52760	61500	41047	307000	mg/kg
Metal	Lead	458	7%	99.6	1500	24.97	1000	mg/kg
Metal	Lithium	412	1%	43.4	59	34.66	20400	mg/kg
Metal	Manganese	460	1%	1785	2800	901.62	3480	mg/kg
Metal	Mercury	401	1%	3.2	4.9	1.52	25200	mg/kg
Metal	Molybdenum	459	0.2%	166	166	25.61	5110	mg/kg
Metal	Nickel	460	1%	121	330	62.21	20400	mg/kg
Metal	Silver	459	1%	103	110	24.54	5110	mg/kg
Metal	Strontium	459	4%	301	557	211	613000	mg/kg
Metal	Uranium, Total	351	3%	4.8	9.3	3.04	2750	mg/kg
Metal	Vanadium	460	7%	154	249	88.49	7150	mg/kg
Metal	Zinc	460	5%	443	1800	139.1	307000	mg/kg
PCB	Aroclor-1254	131	29%	2382	20000	-	12400	ug/kg
PCB	Aroclor-1260	131	14%	1674	22000	-	12400	ug/kg
Pesticide	4,4'-DDD	28	4%	4.2	4.2	-	143000	ug/kg
Pesticide	4,4'-DDE	28	4%	1.1	1.1	-	101000	ug/kg
Pesticide	4,4'-DDT	28	4%	0.8	0.79	-	100000	ug/kg
Pesticide	Dieldrin	28	4%	1.4	1.4	-	1720	ug/kg
Pesticide	Endrin	28	7%	7.4	12	-	221000	ug/kg
Radionuclide	Americium-241	481	14%	1.3	16.8	0.02	76	pCi/g
Radionuclide	Plutonium-239/240	487	15%	3.8	43.3	0.02	50	pCi/g
Radionuclide	Uranium-234	487	33%	4.1	11.4	2.64	300	pCi/g
Radionuclide	Uranium-235	487	45%	0.2	1.53	0.12	8	pCi/g
Radionuclide	Uranium-238	488	48%	3.4	7.05	1.49	351	pCi/g
SVOC	2-Methylnaphthalene	124	9%	358	1400	-	20400000	ug/kg
SVOC	4-Methylphenol	123	1%	95	95	-	3690000	ug/kg
SVOC	Acenaphthene	124	20%	812	7900	-	40800000	ug/kg
SVOC	Anthracene	124	25%	997	13000	-	204000000	ug/kg
SVOC	Benzo(a)anthracene	124	36%	1623	33000	-	34900	ug/kg
SVOC	Benzo(a)pyrene	124	28%	2077	35000	-	3490	ug/kg
SVOC	Benzo(b)fluoranthene	124	31%	1520	29000	-	34900	ug/kg
SVOC	Benzo(k)fluoranthene	124	29%	1668	29000	-	349000	ug/kg
SVOC	Benzoic Acid	120	2%	1150	1200	-	1000000000	ug/kg
SVOC	bis(2-Ethylhexyl)phthalate	124	9%	240	410	-	1970000	ug/kg

Analyte Group	Analyte	Total Number Samples Analyzed	Detection Frequency	Average Conc.	Maximum Conc.	BG Mean Plus 2SD	Wildlife Refuge Worker AL	Unit
SVOC	Butylbenzylphthalate	124	1%	100	100	-	147000000	ug/kg
SVOC	Chrysene	124	35%	1899	36000	-	3490000	ug/kg
SVOC	Dibenz(a,h)anthracene	124	8%	1657	10000	-	3490	ug/kg
SVOC	Dibenzofuran	124	12%	551	3300	-	2950000	ug/kg
SVOC	Di-n-butylphthalate	124	1%	81	81	-	73700000	ug/kg
SVOC	Di-n-octylphthalate	124	2%	3120	6000	-	14700000	ug/kg
SVOC	Fluoranthene	124	40%	3339	66000	-	27200000	ug/kg
SVOC	Fluorene	124	17%	825	6300	-	40800000	ug/kg
SVOC	Indeno(1,2,3-cd)pyrene	124	26%	1172	20000	-	34900	ug/kg
SVOC	n-Nitrosodipropylamine	124	2%	575	700	-	5470	ug/kg
SVOC	Phenol	123	1%	44	44	-	613000000	ug/kg
SVOC	Pyrene	124	39%	3458	67000	-	22100000	ug/kg
VOC	1,1,1-Trichloroethane	537	1%	24	56	-	79700000	ug/kg
VOC	1,1,2,2-Tetrachloroethane	536	0.2%	1.7	1.7	-	100000	ug/kg
VOC	1,1-Dichloroethane	537	0.2%	250	250	-	22500000	ug/kg
VOC	1,1-Dichloroethene	537	0.2%	22	22	-	17000	ug/kg
VOC	1,2,4-Trichlorobenzene	492	2%	1353	9500	-	9230000	ug/kg
VOC	1,2-Dichloroethane	534	1%	4.1	8.3	-	106000	ug/kg
VOC	1,2-Dichloropropane	538	0.2%	72	71.6	-	345000	ug/kg
VOC	2-Butanone	532	2%	86	390	-	192000000	ug/kg
VOC	Acetone	526	9%	66	680	-	102000000	ug/kg
VOC	Benzene	537	0.2%	250	250	-	205000	ug/kg
VOC	Chloroform	538	1%	85	280	-	19200	ug/kg
VOC	Ethylbenzene	537	1%	50	144	-	4250000	ug/kg
VOC	Methylene chloride	537	12%	4.5	67	-	2530000	ug/kg
VOC	Naphthalene	492	10%	231	6200	-	3090000	ug/kg
VOC	Styrene	537	0.2%	17	17	-	123000000	ug/kg
VOC	Tetrachloroethene	538	7%	4637	173000	-	615000	ug/kg
VOC	Toluene	537	13%	143	910	-	31300000	ug/kg
VOC	Trichloroethene	538	2%	172	1900	-	19600	ug/kg
VOC	Xylene	536	2%	140	1040	-	2040000	ug/kg
	Exceeds Wildlife Refuge Worker Action Level							

Note: Analytes shown are those that were detected at least once above background levels and have a Wildlife Refuge Worker Action Level. The maximum concentration is the maximum detected value, and the average concentration is the average of the data that exceed background.
AL - Action Level
BG – Background
SD – Standard Deviation

APPENDIX A

CONTACT RECORD FOR BUILDINGS 444 AND 776 STORM DRAIN REMOVAL

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ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
ENVIRONMENTAL RESTORATION
REGULATORY CONTACT RECORD

Date/Time: January 12, 2005

Site Contact(s): Karen Wiemelt
Phone: 303-966-9883

Regulatory Contact: D. Kruchek
Phone: 303-692-3337

Agency: CDPHE

Purpose of Contact: B444 and B776 Drains

Discussion

The disposition of the Building 444 storm drain and Building 776 storm drain was discussed at several consultative process meetings. The following resolutions were agreed to:

Building 444 Storm Drain Removal

During D&D of Building 444, the storm drain sump in the B444 courtyard, which is suspected of containing PCBs, will be removed and the drain plugged. The storm drain sump will be characterized for appropriate disposal, as required. If present, stained soil observed after the sump is removed or at the outlet of the storm drain south of Building 440 will be sampled and analyzed for PCBs. If sampling is required, the 0- to 6-inch soil interval will be sampled and PCBs will be analyzed using SW-846 Method 8082. Results will be reviewed by DOE and the regulatory agencies, and the consultative process will be used to determine if further actions are required to address residual contamination. Additional actions will be the responsibility of ER.

Building 776 Storm Drain Removal

During D&D of Building 776, the storm drain that runs adjacent to the east side of Building 776, and continues northwest of the building, will be removed. The storm drain will be characterized for appropriate waste disposal, as required. Surface soil at the inlet and the outlet of the storm drain will be sampled and analyzed for radionuclides. The 0- to 6-inch soil interval will be sampled. The soil will be analyzed for americium-241, uranium-235, and uranium-238 using Fixed Geometry Gamma Spectroscopy. Results

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will be reviewed by DOE and the regulatory agencies, and the consultative process will be used to determine if further actions are required to address residual contamination. Additional actions will be the responsibility of ER and will be performed under the ER RSOP Notification for IHSS Group 700-3.

Distribution:

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S. Gunderson, CDPHE
D. Kruchek, CDPHE
E. Pottorff, CDPHE
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L. Kimmel, USEPA
N. Castenada, RFFO

L. Brooks, K-H ESS
L. Butler, K-H RISS
R. Davis, K-H RISS
C. Deck, K-H Legal
G. Carnival – K-H RISS
D. Mayo, K-H RISS
J. Mead, K-H ESS
S. Nesta, K-H RISS
L. Norland, K-H RISS
K. North, K-H ESS
A. Primrose, K-H RISS
D. Shelton, K-H
J. Walstrom, K-H
K. Wiemelt, K-H RISS
C. Freiboth, K-H RISS

K. Griggs, K-H Team
G. Kelly, K-H Team
G. Pudlik, K-H Team
S. Serreze, K-H Team
Administrative Record

54

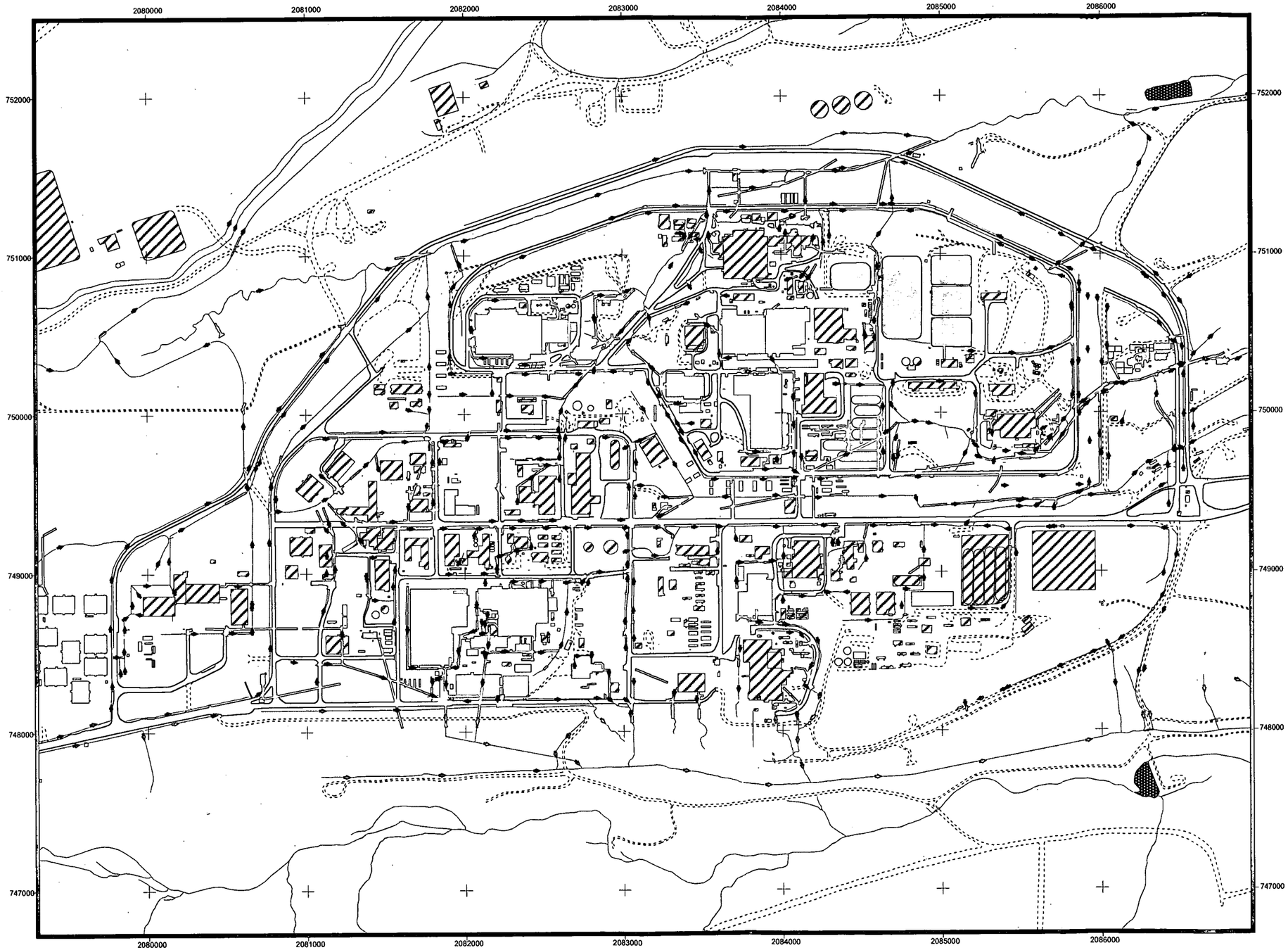


Figure 1
1999 Storm Drain Locations (PAC 000-505)

KEY

- Surface water flow direction
- Storm drain
- Dirt road
- Stream, ditch, or other drainage feature
- Asphalt
- Lake
- Solar pond
- Demolished building
- Standing building

DRAFT

N W E S

500 0 500 Feet

Scale = 1: 7700

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by: RADMS

Date: 9.29.04

Prepared for: KAISER•HILL COMPANY

File: W:\Projects\Fy2004\Storm&SanitaryDrains\culvert_additional.apr

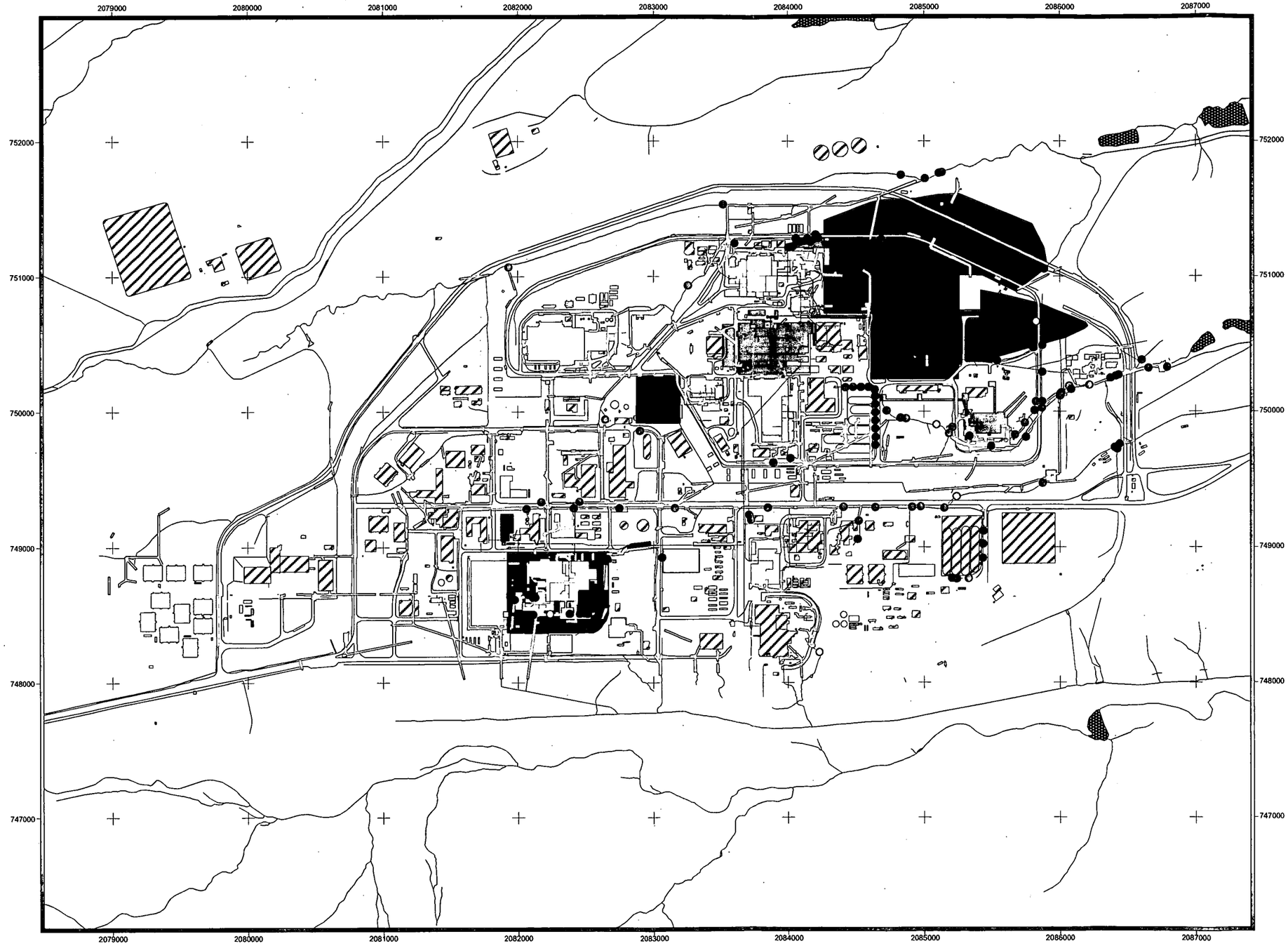


Figure 2a
Storm Drains and Stream
Sediment Sampling Results
for Radionuclides
IHSS 000-505

KEY

Sampling Results
- > WRW AL
- > 10 Times Background
- Detected > Background or MDL/RL
- Detected < Background or MDL/RL
- Non-Detect

OPWL
Storm drain
Stream
Lake
Paved road
IHSS Group 000-1
IHSS Group 400-3
IHSS Group 400-5
IHSS Group 400-7
IHSS Group 400-8
IHSS Group 700-3
IHSS Group 700-4
IHSS Group 700-6
IHSS Group 700-11
IHSS Group 900-1
IHSS 400-157.2
IHSS 500-117.1
IHSS 700-143
IHSS 900-153
PAC 400-803
PAC 600-1001
PAC 700-1108
Demolished structure
Standing structure
Site boundary

DRAFT

N
W E
S

500 0 500 Feet

Scale = 1:9,000

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by:

RADMS

Prepared for:

Date: 121304

KAISER•HILL COMPANY

File: w:\projects\fy2005\storm_drains\storm_drains_112304.apr

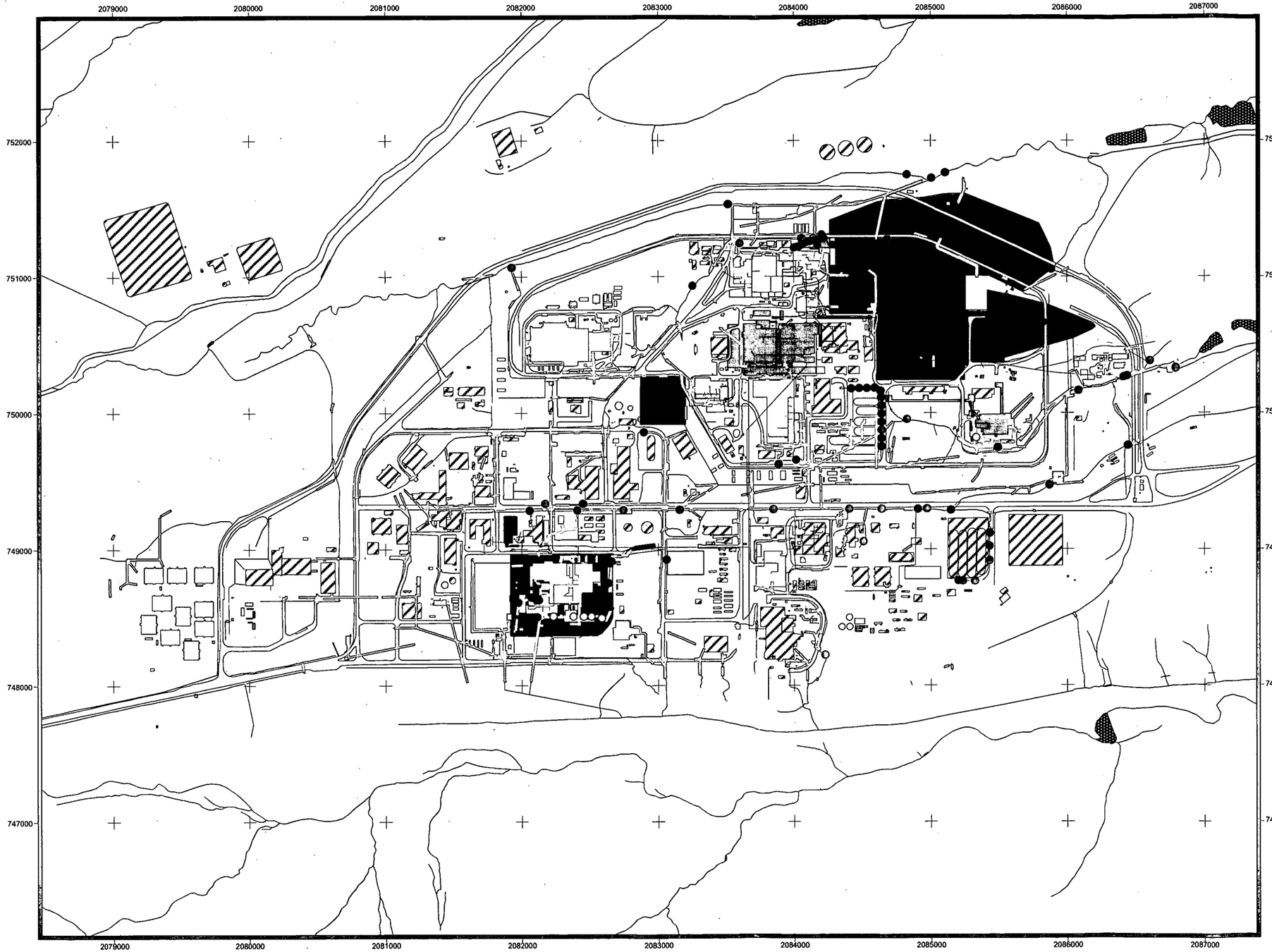


Figure 2b
Storm Drains and Stream
Sediment Sampling Results
for Metals
IHSS 000-505

KEY

Sampling Results
- > WRW AL
- > 10 Times Background
- Detected > Background or MDL/RL
- Detected < Background or MDL/RL
- Non-Detect

OPWL
Storm drain
Stream
Lake
Paved road
IHSS Group 000-1
IHSS Group 400-3
IHSS Group 400-5
IHSS Group 400-7
IHSS Group 400-8
IHSS Group 700-3
IHSS Group 700-4
IHSS Group 700-6
IHSS Group 700-11
IHSS Group 900-1
IHSS 400-157.2
IHSS 500-117.1
IHSS 700-143
IHSS 900-153
PAC 400-803
PAC 600-1001
PAC 700-1108
Demolished structure
Standing structure
Site boundary

DRAFT

N
W E
S

500 0 500 Feet

Scale = 1:9,000

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by:

RADMS

Prepared for:

Date: 121304

KAISER•HILL COMPANY

File: w:\projects\fy2005\storm_drains\storm_drains_112304.apr

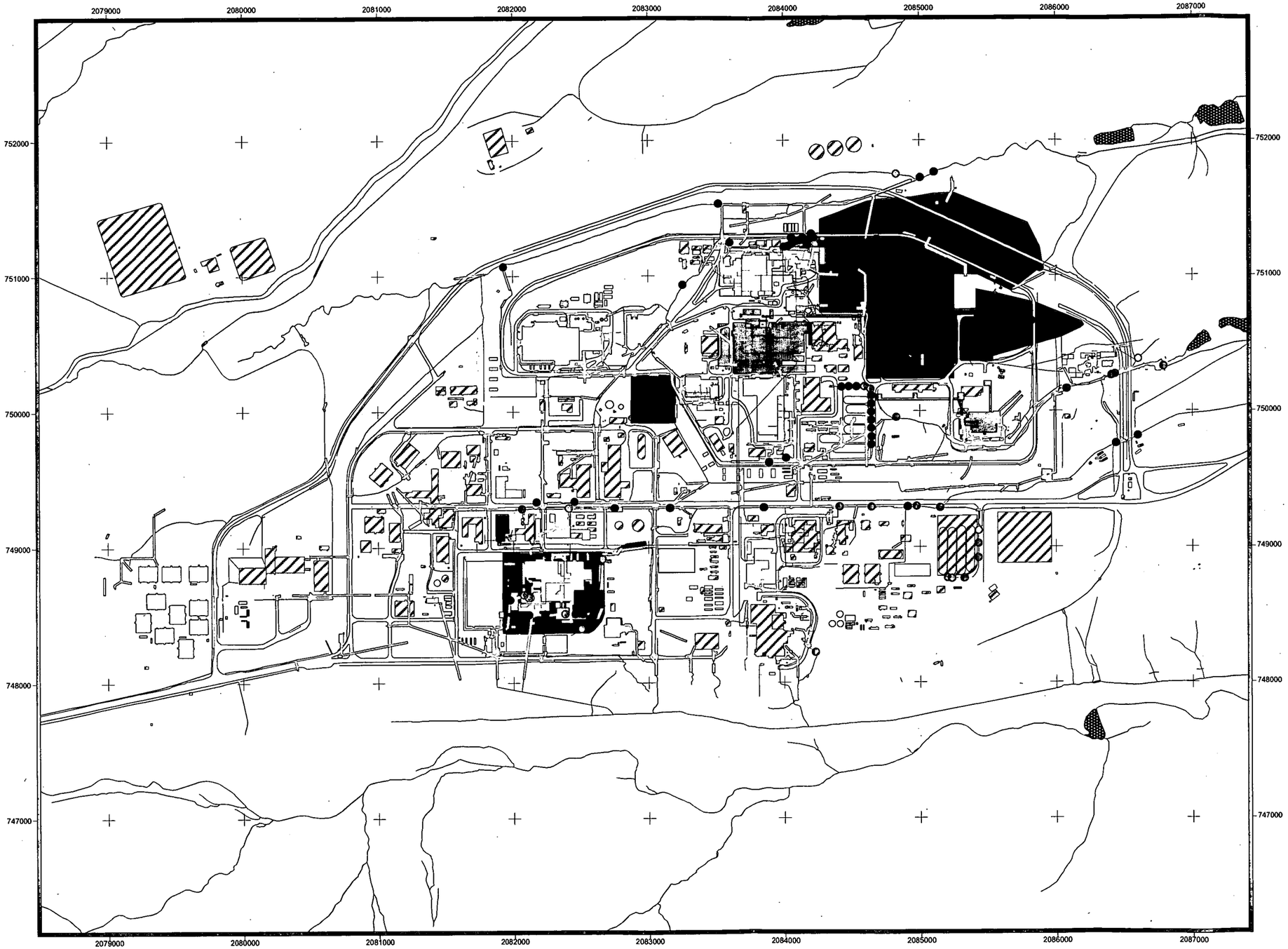


Figure 2c
Storm Drain and Stream
Sediment Sampling Results
for Organics
IHSS 000-505

KEY

Sampling Results
- > WRW AL
- Detected > Background or MDL/RL
- Detected < Background or MDL/RL
- Non-Detect

OPWL
Storm drain
Stream
Lake
Paved road
IHSS Group 000-1
IHSS Group 400-3
IHSS Group 400-5
IHSS Group 400-7
IHSS Group 400-8
IHSS Group 700-3
IHSS Group 700-4
IHSS Group 700-6
IHSS Group 700-11
IHSS Group 900-1
IHSS 400-157.2
IHSS 500-117.1
IHSS 700-143
IHSS 900-153
PAC 400-803
PAC 600-1001
PAC 700-1108
Demolished structure
Standing structure
Site boundary

DRAFT

N
W
E
S

500 0 500 Feet

Scale = 1:9,000

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by:
RADMS

Prepared for:
KAISER•HILL COMPANY

Date: 121304

File: w:\projects\fy2005\storm_drains\storm_drains_112304.apr

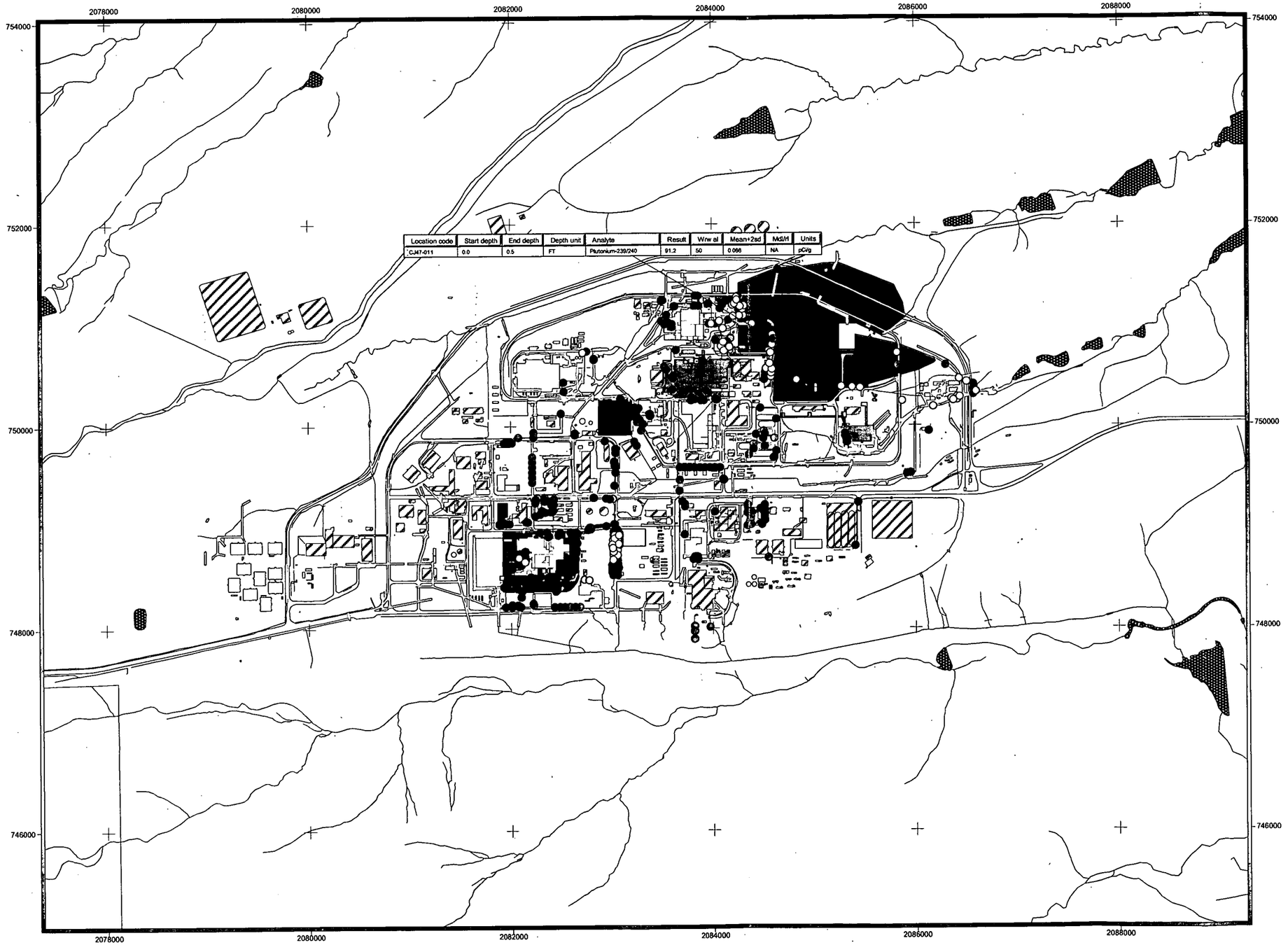


Figure 3a
Storm Drains and Stream
Surface Soil
Sampling Results for Radionuclides
IHSS 000-505

KEY

Sampling Results
- > WRW AL
- > 10 Times Background
- Detected > Background or MDL/RL
- Detected < Background or MDL/RL
- Non-Detect

OPWL
Storm drain
Stream
Lake
Paved road
IHSS Group 000-1
IHSS Group 400-3
IHSS Group 400-5
IHSS Group 400-7
IHSS Group 400-8
IHSS Group 700-3
IHSS Group 700-4
IHSS Group 700-6
IHSS Group 700-11
IHSS Group 900-1
IHSS 400-157.2
IHSS 500-117.1
IHSS 700-143
IHSS 900-153
PAC 400-803
PAC 600-1001
PAC 700-1108
Demolished structure
Standing structure
Site boundary

DRAFT

N
W E
S

700 0 700 Feet

Scale = 1:12,000

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by:

RADMS

Prepared for:

Date: 121304

KAISER•HILL COMPANY

File: w:\projects\fy2005\storm_drains\storm_drains_112304.apr

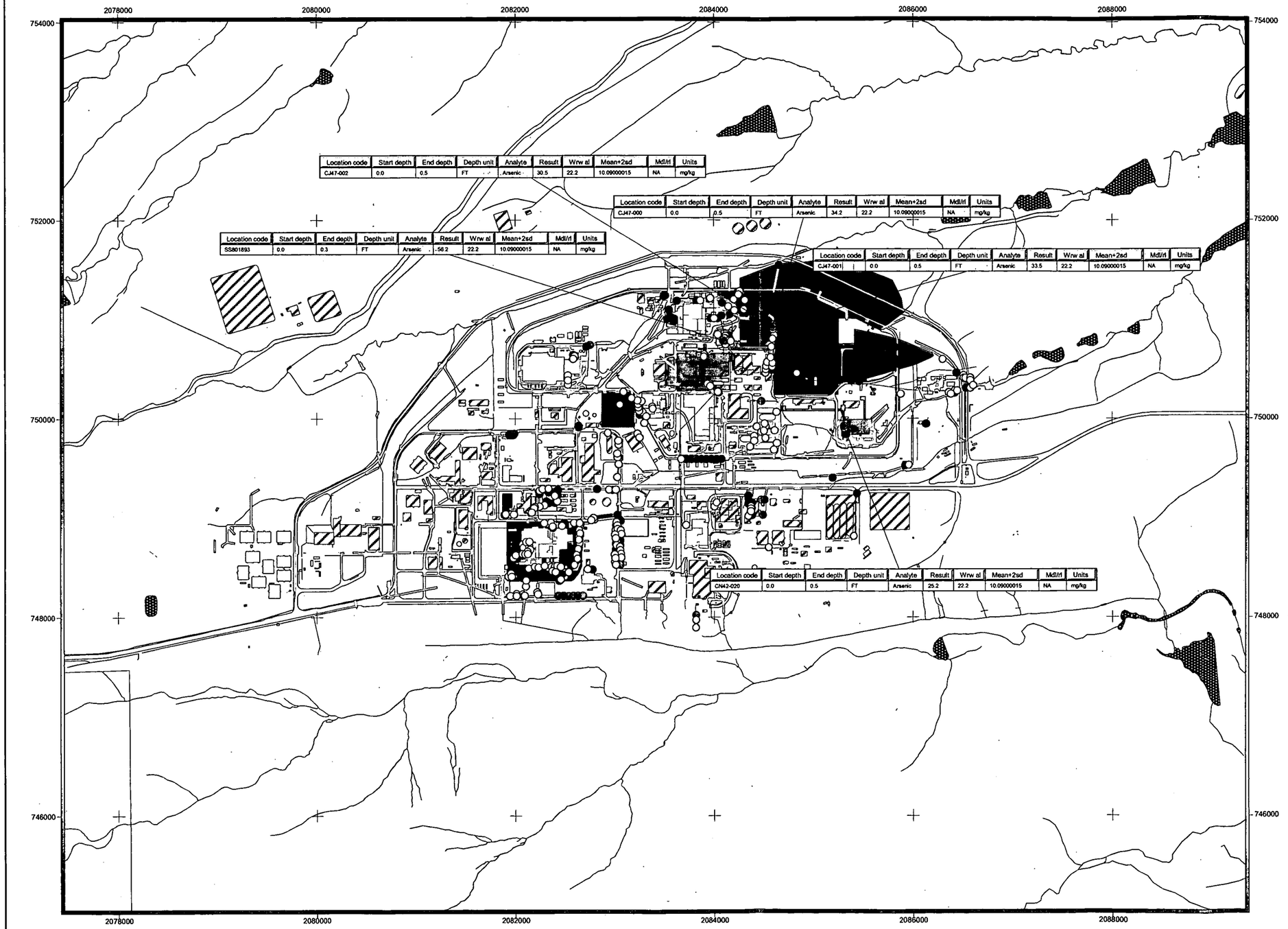


Figure 3b
Storm Drains and Stream
Surface Soil
Sampling Results for Metals
IHSS 000-505

KEY

Sampling Results
- > WRW AL
- > 10 Times Background
- Detected > Background or MDL/RL
- Detected < Background or MDL/RL
- Non-Detect

OPWL
Storm drain
Stream
Lake
Paved road
IHSS Group 000-1
IHSS Group 400-3
IHSS Group 400-5
IHSS Group 400-7
IHSS Group 400-8
IHSS Group 700-3
IHSS Group 700-4
IHSS Group 700-6
IHSS Group 700-11
IHSS Group 900-1
IHSS 400-157.2
IHSS 500-117.1
IHSS 700-143
IHSS 900-153
PAC 400-803
PAC 600-1001
PAC 700-1108
Demolished structure
Standing structure
Site boundary

DRAFT

N
W E
S

700 0 700 Feet

Scale = 1:12,000

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by:

RADMS

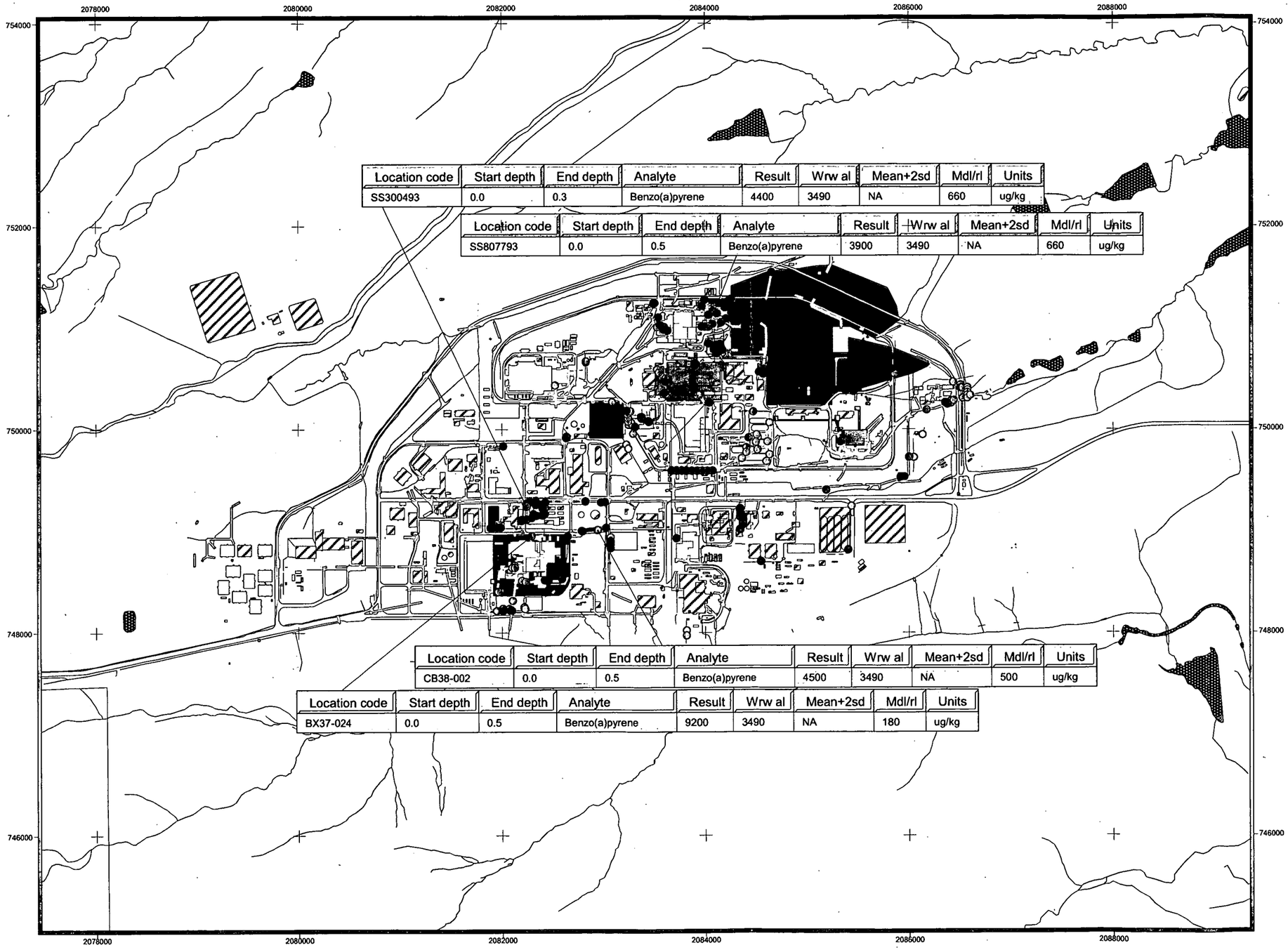
Prepared for:

Date: 121304

KAISER•HILL COMPANY

File: w:\projects\fy2005\storm_drains\storm_drains_112304.apr

60



Location code	Start depth	End depth	Analyte	Result	Wrw al	Mean+2sd	Mdl/rl	Units
SS300493	0.0	0.3	Benzo(a)pyrene	4400	3490	NA	660	ug/kg

Location code	Start depth	End depth	Analyte	Result	Wrw al	Mean+2sd	Mdl/rl	Units
SS807793	0.0	0.5	Benzo(a)pyrene	3900	3490	NA	660	ug/kg

Location code	Start depth	End depth	Analyte	Result	Wrw al	Mean+2sd	Mdl/rl	Units
CB38-002	0.0	0.5	Benzo(a)pyrene	4500	3490	NA	500	ug/kg

Location code	Start depth	End depth	Analyte	Result	Wrw al	Mean+2sd	Mdl/rl	Units
BX37-024	0.0	0.5	Benzo(a)pyrene	9200	3490	NA	180	ug/kg

Figure 3c
Storm Drains and Stream
Surface Soil
Sampling Results for Organics
IHSS 000-505

KEY

Sampling Results
- > WRW AL
- > 10 Times Background
- Detected > Background or MDL/RL
- Detected < Background or MDL/RL
- Non-Detect

OPWL
Storm drain
Stream
Lake
Paved road
IHSS Group 000-1
IHSS Group 400-3
IHSS Group 400-5
IHSS Group 400-7
IHSS Group 400-8
IHSS Group 700-3
IHSS Group 700-4
IHSS Group 700-6
IHSS Group 700-11
IHSS Group 900-1
IHSS 400-157.2
IHSS 500-117.1
IHSS 700-143
IHSS 900-153
PAC 400-803
PAC 600-1001
PAC 700-1108
Demolished structure
Standing structure
Site boundary

DRAFT

N
W E
S

700 0 700 Feet

Scale = 1:12,000

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by:

RADMS

Prepared for:

Date: 121304

KAISER•HILL COMPANY

File: w:\projects\fy2005\storm_drains\storm_drains_112304.apr

61

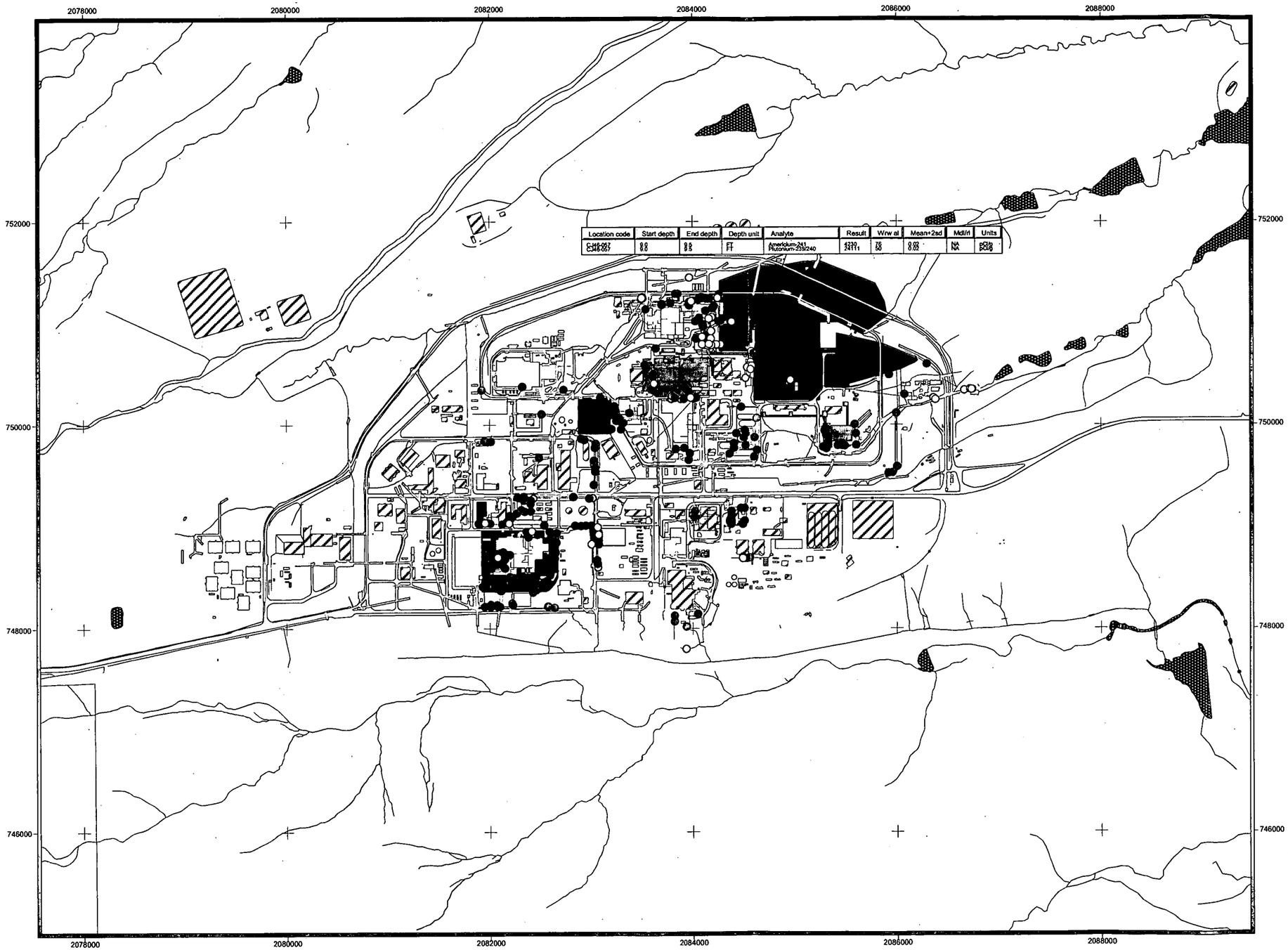


Figure 4a
Storm Drains and Stream
Subsurface Soil
Sampling Results for Radionuclides
IHSS 000-505

KEY

Sampling Results
- > WRW AL
- > 10 Times Background
- Detected > Background or MDL/RL
- Detected < Background or MDL/RL
- Non-Detect

OPWL
Storm drain
Stream
Lake
Paved road
IHSS Group 000-1
IHSS Group 400-3
IHSS Group 400-5
IHSS Group 400-7
IHSS Group 400-8
IHSS Group 700-3
IHSS Group 700-4
IHSS Group 700-6
IHSS Group 700-11
IHSS Group 900-1
IHSS 400-157.2
IHSS 500-117.1
IHSS 700-143
IHSS 900-153
PAC 400-803
PAC 600-1001
PAC 700-1108
Demolished structure
Standing structure
Site boundary

DRAFT

N
W
E
S

700 0 700 Feet

Scale = 1:12,000

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by:

RADMS

Prepared for:

Date: 121304

KAISER•HILL COMPANY

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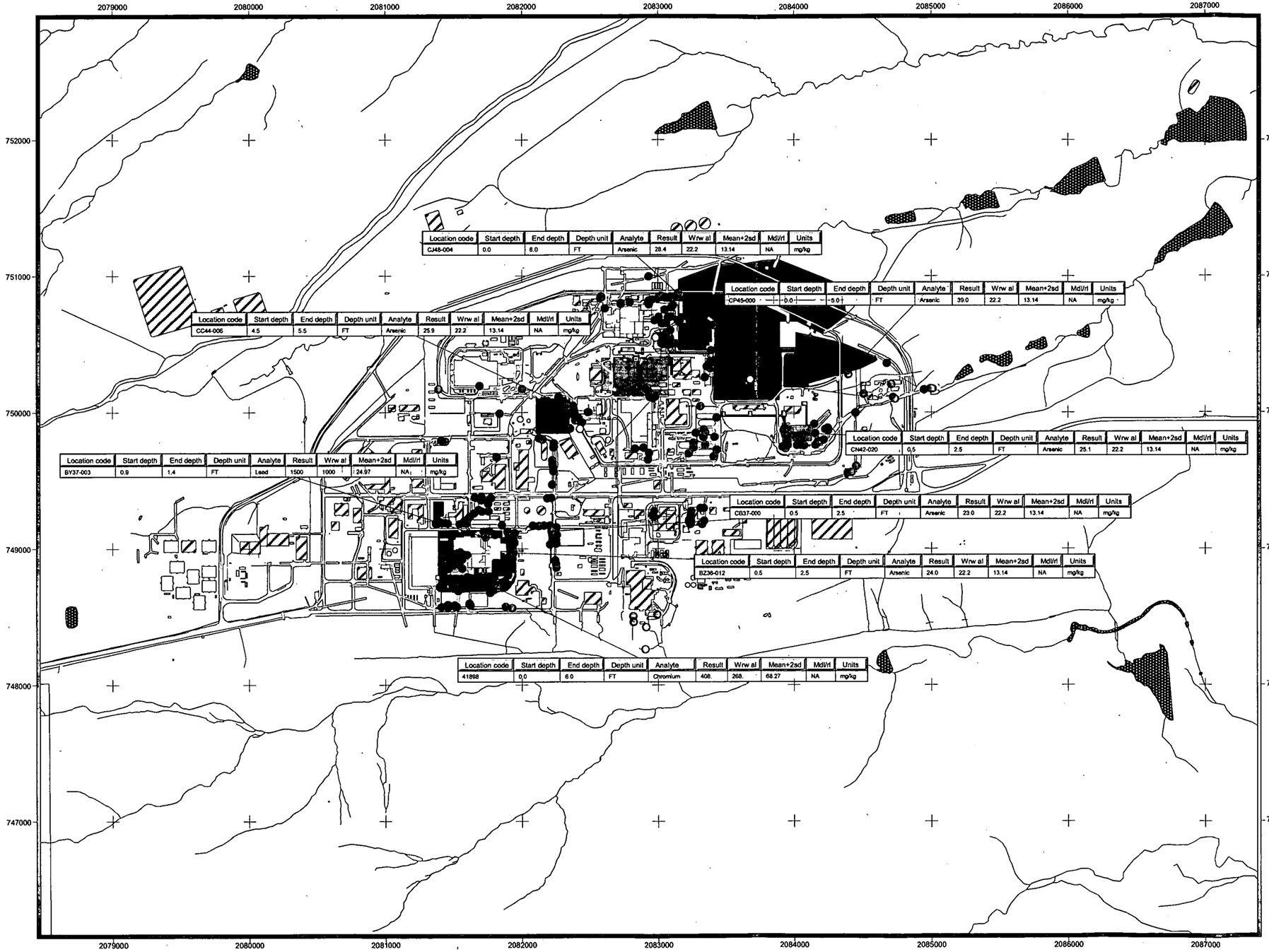

Figure 4b
Storm Drains and Stream
Subsurface Soil
Sampling Results for Metals
IHSS 000-505

KEY

Sampling Results
- > WRW AL
- > 10 Times Background
- Detected > Background or MDL/RL
- Detected < Background or MDL/RL
- Non-Detect

OPWL
Storm drain
Stream
Lake
Paved road
IHSS Group 000-1
IHSS Group 400-3
IHSS Group 400-5
IHSS Group 400-7
IHSS Group 400-8
IHSS Group 700-3
IHSS Group 700-4
IHSS Group 700-6
IHSS Group 700-11
IHSS Group 900-1
IHSS 400-157.2
IHSS 500-117.1
IHSS 700-143
IHSS 900-153
PAC 400-803
PAC 600-1001
PAC 700-1108
Demolished structure
Standing structure
Site boundary

DRAFT

N
W
E
S

700 0 700 Feet

Scale = 1:12,000

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by:
RADMS

Prepared for:
KAISER•HILL COMPANY

Date: 122804

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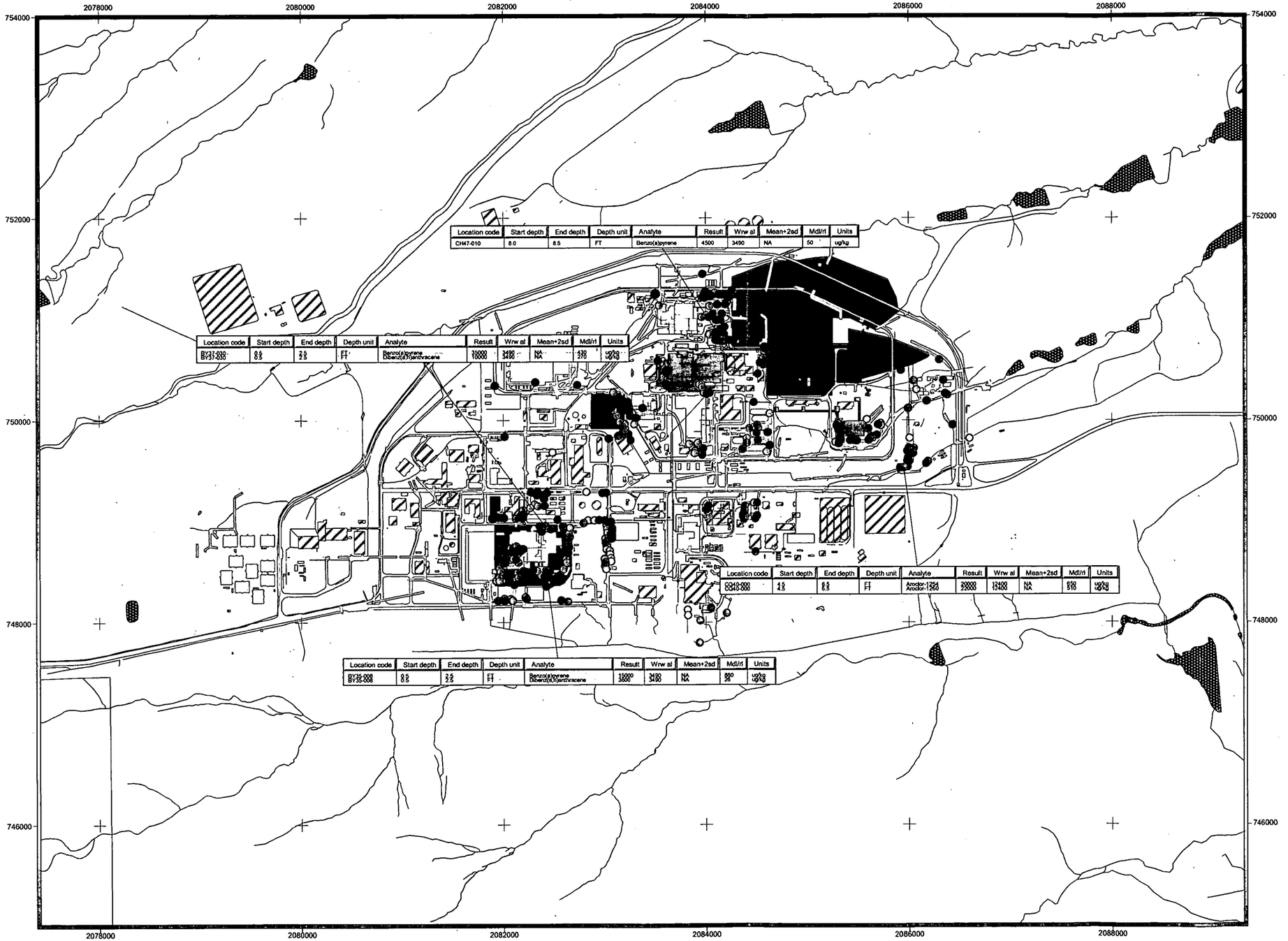

Figure 4c
Storm Drains and Stream
Subsurface Soil
Sampling Results for Organics
IHSS 000-505

KEY

Sampling Results
- > WRW AL
- Detected > Background or MDL/RL
- Detected < Background or MDL/RL
- Non-Detect

OPWL
Storm drain
Stream
Lake
Paved road
IHSS Group 000-1
IHSS Group 400-3
IHSS Group 400-5
IHSS Group 400-7
IHSS Group 400-8
IHSS Group 700-3
IHSS Group 700-4
IHSS Group 700-6
IHSS Group 700-11
IHSS Group 900-1
IHSS 400-157.2
IHSS 500-117.1
IHSS 700-143
IHSS 900-153
PAC 400-803
PAC 600-1001
PAC 700-1108
Demolished structure
Standing structure
Site boundary

DRAFT

N
W E
S

700 0 700 Feet

Scale = 1:12,000

State Plane Coordinate Projection
Colorado Central Zone
Datum: NAD 27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

Prepared by:
RADMS

Prepared for:
KAISER•HILL COMPANY

Date: 121304

File: w:\projects\fy2005\storm_drains\storm_drains_112304.apr

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Rocky Flats Environmental Technology Site

Figure 5

Industrial Area Proposed Storm Drain Disposition

EXPLANATION

- Retain & Remain Operational
- Retain & Plug Ends
- Remove
- Buffer Zone - Industrial Area Border

Map Features

- Buildings Remaining
- Demolished Buildings
- Paved Roads
- Dirt Roads
- Lakes
- Streams
- Railroad Tracks
- Fences

N

1:6,845
1 inch equals 570 feet

0 100 200 400 600 800 Feet

State Plane Coordinate Projection
Colorado Central Zone (3476)
Datum: NAD27

U.S. Department of Energy
Rocky Flats Environmental Technology Site

GIS Dept. (303) 966-7707

Prepared By: CH2MHILL

Prepared For: KAISER-HILL COMPANY

December 14, 2004

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6/5/65