

Summary of Soil Sampling Field Records

COC Listing Date	Soil Type Grouping	Site ID	Field Sample Number	Logbook Reference	Logbook Date	Northing	Easting	BK (cpm)	Depth	Count	Collection Time	Dose Rate	Comments	Penetrator ID	Kd Study Soil Bags ID	Leachability Soil Bags ID
10/23/2008	Background – Avonburg and Cobbsfork	JP-SAC-001	SAIC01	3, p27-29	10/23/2008	NR	NR	63	0' to 0.5'	59	1419	11				JP-KAC-010
10/23/2008	Background – Avonburg and Cobbsfork	JP-SAC-001	SAIC02	3, p27-29	10/23/2008	NR	NR	63	0.5' to 1'	62	1423	11				JP-KAC-010
10/23/2008	Background – Avonburg and Cobbsfork	JP-SAC-001	SAIC03	3, p27-29	10/23/2008	NR	NR	63	1' to 2'	62	1428	11				JP-KAC-010
10/23/2008	Background – Avonburg and Cobbsfork	JP-SAC-001	SAIC04	3, p27-29	10/23/2008	NR	NR	63	2' to 4'	62	1430	11				JP-KAC-010
10/23/2008	Background – Avonburg and Cobbsfork	JP-SAC-002	SAIC01	3, p23-25	10/23/2008	NR	NR	53	0' to 0.5'	64	1242	10				
10/23/2008	Background – Avonburg and Cobbsfork	JP-SAC-002	SAIC02	3, p23-25	10/23/2008	NR	NR	53	0.5' to 1'	49	1244	10				
10/23/2008	Background – Avonburg and Cobbsfork	JP-SAC-002	SAIC03	3, p23-25	10/23/2008	NR	NR	53	1' to 2'	51	1247	10				
10/23/2008	Background – Avonburg and Cobbsfork	JP-SAC-002	SAIC04	3, p23-25	10/23/2008	NR	NR	53	2' to 4'	55	1249	10				
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-003	SAIC01	2, p63-64	10/21/2008	NR	NR	56	0' to 0.5'	70	1141	9				JP-LAC-001
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-003	SAIC02	2, p63-64	10/21/2008	NR	NR	56	0.5' to 1'	50	1144	9				JP-LAC-001
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-003	SAIC03	2, p63-64	10/21/2008	NR	NR	56	1' to 2'	55	1147	9				JP-LAC-001
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-003	SAIC04	2, p63-64	10/21/2008	NR	NR	56	2' to 4'	39	1200	9				JP-LAC-001
10/22/2008	Background – Avonburg and Cobbsfork	JP-SAC-004	SAIC01	2, p89-90	10/22/2008	4315444.57	639453.08	52	0' to 0.5'	49	1430	9				
10/22/2008	Background – Avonburg and Cobbsfork	JP-SAC-004	SAIC02	2, p89-90	10/22/2008	4315444.57	639453.08	52	0.5' to 1'	51	1432	9				
10/22/2008	Background – Avonburg and Cobbsfork	JP-SAC-004	SAIC03	2, p89-90	10/22/2008	4315444.57	639453.08	52	1' to 2'	68	1436	9				
10/22/2008	Background – Avonburg and Cobbsfork	JP-SAC-004	SAIC04	2, p89-90	10/22/2008	4315444.57	639453.08	52	2' to 4'	62	1440	9				
10/22/2008	Background – Avonburg and Cobbsfork	JP-SAC-005	SAIC01	2, p85-86	10/22/2008	NR	NR	52	0' to 0.5'	51	1217	10				
10/22/2008	Background – Avonburg and Cobbsfork	JP-SAC-005	SAIC02	2, p85-86	10/22/2008	NR	NR	52	0.5' to 1'	37	1220	10				
10/22/2008	Background – Avonburg and Cobbsfork	JP-SAC-005	SAIC03	2, p85-86	10/22/2008	NR	NR	52	1' to 2'	48	1221	10				
10/22/2008	Background – Avonburg and Cobbsfork	JP-SAC-005	SAIC04	2, p85-86	10/22/2008	NR	NR	52	2' to 4'	70	1223	10				
10/22/2008	Background – Avonburg and Cobbsfork	JP-SAC-006	SAIC01	2, p87-88	10/22/2008	NR	NR	44	0' to 0.5'	52	1328	9				
10/22/2008	Background – Avonburg and Cobbsfork	JP-SAC-006	SAIC02	2, p87-88	10/22/2008	NR	NR	44	0.5' to 1'	60	1333	9				
10/22/2008	Background – Avonburg and Cobbsfork	JP-SAC-006	SAIC03	2, p87-88	10/22/2008	NR	NR	44	1' to 2'	58	1340	9				
10/22/2008	Background – Avonburg and Cobbsfork	JP-SAC-006	SAIC04	2, p87-88	10/22/2008	NR	NR	44	2' to 4'	71	1343	9				
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-007	SAIC01	2, p67-68	10/21/2008	NR	NR	46	0' to 0.5'	62	1410	9				
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-007	SAIC02	2, p67-68	10/21/2008	NR	NR	46	0.5' to 1'	57	1412	9				
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-007	SAIC03	2, p67-68	10/21/2008	NR	NR	46	1' to 2'	41	1415	9				
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-007	SAIC04	2, p67-68	10/21/2008	NR	NR	46	2' to 4'	62	1417	9				
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-008	SAIC01	2, p65-66	10/21/2008	NR	NR	49	0' to 0.5'	54	1252	9.5				JP-KAC-009
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-008	SAIC02	2, p65-66	10/21/2008	NR	NR	49	0.5' to 1'	60	1257	9.5				JP-KAC-009
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-008	SAIC03	2, p65-66	10/21/2008	NR	NR	49	1' to 2'	68	1301	9.5				JP-KAC-009
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-008	SAIC04	2, p65-66	10/21/2008	NR	NR	49	2' to 4'	56	1306	9.5				JP-KAC-009
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-009	SAIC01	2, p69-70	10/21/2008	NR	NR	60	0' to 0.5'	66	1507	10				
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-009	SAIC02	2, p69-70	10/21/2008	NR	NR	60	0.5' to 1'	81	1508	10				
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-009	SAIC03	2, p69-70	10/21/2008	NR	NR	60	1' to 2'	54	1510	10				
10/21/2008	Background – Avonburg and Cobbsfork	JP-SAC-009	SAIC04	2, p69-70	10/21/2008	NR	NR	60	2' to 4'	50	1517	10				
10/21/2008	Background – Cincinnati and Rossmoyne	JP-SCR-001	SAIC01	2, p59-60	10/21/2008	NR	NR	45	0' to 0.5'	60	0847	10				JP-LCR-001
10/21/2008	Background – Cincinnati and Rossmoyne	JP-SCR-001	SAIC02	2, p59-60	10/21/2008	NR	NR	45	0.5' to 1'	65	0850	10				JP-LCR-001
10/21/2008	Background – Cincinnati and Rossmoyne	JP-SCR-001	SAIC03	2, p59-60	10/21/2008	NR	NR	45	1' to 2'	65	0853	10				JP-LCR-001
10/21/2008	Background – Cincinnati and Rossmoyne	JP-SCR-001	SAIC04	2, p59-60	10/21/2008	NR	NR	45	2' to 4'	64	0857	10				JP-LCR-001
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-002	SAIC01	3, p29-31	10/23/2008	NR	NR	47	0' to 0.5'	59	1529	11				
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-002	SAIC02	3, p29-31	10/23/2008	NR	NR	47	0.5' to 1'	71	1532	11				
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-002	SAIC03	3, p29-31	10/23/2008	NR	NR	47	1' to 2'	74	1537	11				
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-002	SAIC04	3, p29-31	10/23/2008	NR	NR	47	2' to 4'	68	1539	11				
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-003	SAIC01	3, p25-27	10/23/2008	NR	NR	56	0' to 0.5'	64	1347	10				
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-003	SAIC02	3, p25-27	10/23/2008	NR	NR	56	0.5' to 1'	71	1349	10				
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-003	SAIC03	3, p25-27	10/23/2008	NR	NR	56	1' to 2'	66	1352	10				
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-003	SAIC04	3, p25-27	10/23/2008	NR	NR	56	2' to 4'	65	1401	10				
10/21/2008	Background – Cincinnati and Rossmoyne	JP-SCR-004	SAIC01	2, p61-62	10/21/2008	NR	NR	54	0' to 0.5'	82	1010	9				JP-KCR-009
10/21/2008	Background – Cincinnati and Rossmoyne	JP-SCR-004	SAIC02	2, p61-62	10/21/2008	NR	NR	54	0.5' to 1'	73	1015	9				JP-KCR-009
10/21/2008	Background – Cincinnati and Rossmoyne	JP-SCR-004	SAIC03	2, p61-62	10/21/2008	NR	NR	54	1' to 2'	61	1020	9				JP-KCR-009
10/21/2008	Background – Cincinnati and Rossmoyne	JP-SCR-004	SAIC04	2, p61-62	10/21/2008	NR	NR	54	2' to 4'	61	1047	9				JP-KCR-009
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-005	SAIC01	3, p19-21	10/23/2008	NR	NR	49	0' to 0.5'	68	1023	10				JP-KCR-010
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-005	SAIC02	3, p19-21	10/23/2008	NR	NR	49	0.5' to 1'	55	1027	10				JP-KCR-010
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-005	SAIC03	3, p19-21	10/23/2008	NR	NR	49	1' to 2'	69	1034	10				JP-KCR-010
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-005	SAIC04	3, p19-21	10/23/2008	NR	NR	49	2' to 4'	62	1039	10				JP-KCR-010
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-006	SAIC01	3, p21-23	10/23/2008	NR	NR	62	0' to 0.5'	56	1142	12				
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-006	SAIC02	3, p21-23	10/23/2008	NR	NR	62	0.5' to 1'	60	1144	12				
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-006	SAIC03	3, p21-23	10/23/2008	NR	NR	62	1' to 2'	68	1145	12				
10/23/2008	Background – Cincinnati and Rossmoyne	JP-SCR-006	SAIC04	3, p21-23	10/23/2008	NR	NR	62	2' to 4'	71	1152	12				
10/22/2008	Background – Cincinnati and Rossmoyne	JP-SCR-007	SAIC01	2, p91-92	10/22/2008	NR	NR	63	0' to 0.5'	85	1553	11				
10/22/2008	Background – Cincinnati and Rossmoyne	JP-SCR-007	SAIC02	2, p91-92	10/22/2008	NR	NR	63	0.5' to 1'	79	1554	11				
10/22/2008	Background – Cincinnati and Rossmoyne	JP-SCR-007	SAIC03	2, p91-92	10/22/2008	NR	NR	63	1' to 2'	69	1557	11				
10/22/2008	Background – Cincinnati and Rossmoyne	JP-SCR-007	SAIC04	2, p91-92	10/22/2008	NR	NR	63	2' to 4'	58	1558	11				
10/21/2008	Background – Cincinnati and Rossmoyne	JP-SCR-008	SAIC01	2, p73-74	10/21/2008	NR	NR	58	0' to 0.5'	69	1720	10				
10/21/2008	Background – Cincinnati and Rossmoyne	JP-SCR-008	SAIC02	2, p73-74	10/21/2008	NR	NR	58	0.5' to 1'	81	1723	10				
10/21/2008	Background – Cincinnati and Rossmoyne	JP-SCR-008	SAIC03	2, p73-74	10/21/2008	NR	NR	58	1' to 2'	69	1725	10				
10/21/2008	Background – Cincinnati and Rossmoyne	JP-SCR-008	SAIC04	2, p73-74	10/21/2008	NR	NR	58	2' to 4'	73	1730	10				
10/22/2008	Background – Cincinnati and Rossmoyne	JP-SCR-009	SAIC01	2, p79-80	10/22/2008	NR	NR	42	0' to 0.5'	70	1002	11				
10/22/2008	Background – Cincinnati and Rossmoyne	JP-SCR-009	SAIC02	2, p79-80	10/22/2008	NR	NR	42	0.5' to 1'	77	1004	11				
10/22/2008	Background – Cincinnati and Rossmoyne	JP-SCR-009	SAIC03	2, p79-80	10/22/2008	NR	NR	42	1' to 2'	75	1006	11				
10/22/2008	Background – Cincinnati and Rossmoyne	JP-SCR-009	SAIC04	2, p79-80	10/22/2008	NR	NR	42	2' to 4'	64	1010	11				
10/23/2008	Background – Grayford and Ryker	JP-SGR-001	SAIC01	2, p99-100	10/23/2008	NR	NR	50	0' to 0.5'	75	0947	10				
10/23/2008	Background – Grayford and Ryker	JP-SGR-001	SAIC02	2, p99-100	10/23/2008	NR	NR	50	0.5' to 1'	70	0949	10				
10/23/2008	Background – Grayford and Ryker	JP-SGR-001	SAIC03	2, p99-100	10/23/2008	NR	NR	50	1' to 2'	77	0953	10				
10/23/2008	Background – Grayford and Ryker	JP-SGR-001	SAIC04	2, p99-100	10/23/2008	NR	NR	50	2' to 4'	70	1056	10				
10/23/2008	Background – Grayford and Ryker	JP-SGR-002	SAIC01	2, p97-98	10/23/2008	NR	NR	46	0' to 0.5'	54	0839	9				
10/23/2008	Background – Grayford and Ryker	JP-SGR-002	SAIC02	2, p97-98	10/23/2008	NR	NR	46	0.5' to 1'	61	0842	9				
10/23/2008	Background – Grayford and Ryker	JP-SGR-002	SAIC03	2, p97-98	10/23/2008	NR	NR	46	1' to 2'	66	0858	9</				

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COC Listing Date	Soil Type Grouping	Site ID	Field Sample Number	Logbook Reference	Logbook Date	Northing	Easting	BK (cpm)	Depth	Count	Collection Time	Dose Rate	Comments	Penetrator ID	Kd Study Soil Bags ID	Leachability Soil Bags ID
10/22/2008	Background – Grayford and Ryker	JP-SGR-003	SAIC04	2, p95-96	10/22/2008	4315193.25	638253.20	51	2' to 4'	NA	NA	NA	Bedrock refusal at 2' BGS			
10/22/2008	Background – Grayford and Ryker	JP-SGR-004	SAIC01	2, p83-84	10/22/2008	NR	NR	42	0' to 0.5'	62	1143	10				JP-LGR-001
10/22/2008	Background – Grayford and Ryker	JP-SGR-004	SAIC02	2, p83-84	10/22/2008	NR	NR	42	0.5' to 1'	61	1149	10				JP-LGR-001
10/22/2008	Background – Grayford and Ryker	JP-SGR-004	SAIC03	2, p83-84	10/22/2008	NR	NR	42	1' to 2'	67	1151	11				JP-LGR-001
10/22/2008	Background – Grayford and Ryker	JP-SGR-004	SAIC04	2, p83-84	10/22/2008	NR	NR	42	2' to 4'	74	1200	11				JP-LGR-001
10/22/2008	Background – Grayford and Ryker	JP-SGR-005	SAIC01	2, p93-94	10/22/2008	NR	NR	53	0' to 0.5'	75	1631	11				
10/22/2008	Background – Grayford and Ryker	JP-SGR-005	SAIC02	2, p93-94	10/22/2008	NR	NR	53	0.5' to 1'	65	1632	11				
10/22/2008	Background – Grayford and Ryker	JP-SGR-005	SAIC03	2, p93-94	10/22/2008	NR	NR	53	1' to 2'	63	1635	11				
10/22/2008	Background – Grayford and Ryker	JP-SGR-005	SAIC04	2, p93-94	10/22/2008	NR	NR	53	2' to 4'	80	1638	11				
10/22/2008	Background – Grayford and Ryker	JP-SGR-006	SAIC01	2, p81-82	10/22/2008	NR	NR	66	0' to 0.5'	64	1028	11				
10/22/2008	Background – Grayford and Ryker	JP-SGR-006	SAIC02	2, p81-82	10/22/2008	NR	NR	66	0.5' to 1'	72	1033	11				
10/22/2008	Background – Grayford and Ryker	JP-SGR-006	SAIC03	2, p81-82	10/22/2008	NR	NR	66	1' to 2'	65	1034	11				
10/22/2008	Background – Grayford and Ryker	JP-SGR-006	SAIC04	2, p81-82	10/22/2008	NR	NR	66	2' to 4'	59	1036	11				
10/21/2008	Background – Grayford and Ryker	JP-SGR-007	SAIC01	2, p75-76	10/21/2008	NR	N4	56	0' to 0.5'	77	1744	11			JP-KGR-004	
10/21/2008	Background – Grayford and Ryker	JP-SGR-007	SAIC02	2, p75-76	10/21/2008	NR	N4	56	0.5' to 1'	88	1747	11			JP-KGR-004	
10/21/2008	Background – Grayford and Ryker	JP-SGR-007	SAIC03	2, p75-76	10/21/2008	NR	N4	56	1' to 2'	67	1751	11			JP-KGR-004	
10/21/2008	Background – Grayford and Ryker	JP-SGR-007	SAIC04	2, p75-76	10/21/2008	NR	N4	56	2' to 4'	70	1754	11			JP-KGR-004	
10/21/2008	Background – Grayford and Ryker	JP-SGR-008	SAIC01	2, p71-72	10/21/2008	NR	NR	39	0' to 0.5'	48	1620	10			JP-KGR-003	
10/21/2008	Background – Grayford and Ryker	JP-SGR-008	SAIC02	2, p71-72	10/21/2008	NR	NR	39	0.5' to 1'	62	1622	10			JP-KGR-003	
10/21/2008	Background – Grayford and Ryker	JP-SGR-008	SAIC03	2, p71-72	10/21/2008	NR	NR	39	1' to 2'	65	1629	10			JP-KGR-003	
10/21/2008	Background – Grayford and Ryker	JP-SGR-008	SAIC04	2, p71-72	10/21/2008	NR	NR	39	2' to 4'	60	1634	10			JP-KGR-003	
10/22/2008	Background – Grayford and Ryker	JP-SGR-009	SAIC01	2, p77-78	10/22/2008	NR	NR	74	0' to 0.5'	76	0912	9				
10/22/2008	Background – Grayford and Ryker	JP-SGR-009	SAIC02	2, p77-78	10/22/2008	NR	NR	74	0.5' to 1'	53	0914	9				
10/22/2008	Background – Grayford and Ryker	JP-SGR-009	SAIC03	2, p77-78	10/22/2008	NR	NR	74	1' to 2'	63	0916	9				
10/22/2008	Background – Grayford and Ryker	JP-SGR-009	SAIC04	2, p77-78	10/22/2008	NR	NR	74	2' to 4'	57	0930	9				
10/12/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-001	SAIC01	2, p5-7	10/12/2008	NR	NR	43	0' to 0.5'	58	1414	10				
10/12/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-001	SAIC02	2, p5-7	10/12/2008	NR	NR	43	0.5' to 1'	61	1416	10				
10/12/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-001	SAIC03	2, p5-7	10/12/2008	NR	NR	43	1' to 2'	50	1417	10				
10/12/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-001	SAIC04	2, p5-7	10/12/2008	NR	NR	43	2' to 4'	51	1420	10				
10/13/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-002	SAIC01	2, p22-24	10/13/2008	NR	NR	52	0' to 0.5'	45	1017	12				
10/13/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-002	SAIC02	2, p22-24	10/13/2008	NR	NR	52	0.5' to 1'	59	1019	12				
10/13/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-002	SAIC03	2, p22-24	10/13/2008	NR	NR	52	1' to 2'	57	1023	12				
10/13/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-002	SAIC04	2, p22-24	10/13/2008	NR	NR	52	2' to 4'	68	1026	12				
10/13/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-003	SAIC01	2, p20-22	10/13/2008	43083724	637295.10	39	0' to 0.5'	47	0922	10				
10/13/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-003	SAIC02	2, p20-22	10/13/2008	43083724	637295.10	39	0.5' to 1'	47	0923	10				
10/13/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-003	SAIC03	2, p20-22	10/13/2008	43083724	637295.10	39	1' to 2'	52	0925	10				
10/13/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-003	SAIC04	2, p20-22	10/13/2008	43083724	637295.10	39	2' to 4'	60	0930	10				
10/14/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-004	SAIC01	3, p7-8	10/14/2008	4308436.37	638296.58	56	0' to 0.5'	61	1238	11				
10/14/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-004	SAIC02	3, p7-8	10/14/2008	4308436.37	638296.58	56	0.5' to 1'	77	1239	11				
10/14/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-004	SAIC03	3, p7-8	10/14/2008	4308436.37	638296.58	56	1' to 2'	56	1241	11				
10/14/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-004	SAIC04	3, p7-8	10/14/2008	4308436.37	638296.58	56	2' to 4'	72	1243	11				
10/9/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-005	SAIC01	1, p45-47	10/9/2008	NR	NR	48	0' to 0.5'	69	1321	10				
10/9/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-005	SAIC02	1, p45-47	10/9/2008	NR	NR	48	0.5' to 1'	73	NR (1325)	10				
10/9/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-005	SAIC03	1, p45-47	10/9/2008	NR	NR	48	1' to 2'	NA	NA	NA	Bedrock refusal at 0.75' BGS			
10/9/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-005	SAIC04	1, p45-47	10/9/2008	NR	NR	48	2' to 4'	NA	NA	NA				
10/7/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-006	SAIC01	1, p3-4	10/7/2008	NR	NR	61	0' to 0.5'	67	1105	8				
10/7/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-006	SAIC02	1, p3-4	10/7/2008	NR	NR	61	0.5' to 1'	71	1105	8				
10/7/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-006	SAIC03	1, p3-4	10/7/2008	NR	NR	61	1' to 2'	65	1111	8				
10/7/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-006	SAIC04	1, p3-4	10/7/2008	NR	NR	61	2' to 4'	69	1116	8				
													RAD screen not written in soil logbook 1 for 1-2' BGS and 2-4' BGS intervals. It is assumed that the RAD screen was written accidentally in the RAD screen bkg section. Thus, the RAD screen values cells show NR but included in parenthesis for 1-2' BGS and 2-4' BGS intervals.			
10/7/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-007	SAIC01	1, p5-6	10/7/2008	NR	NR	67	0' to 0.5'	87	1200	9				
10/7/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-007	SAIC02	1, p5-6	10/7/2008	NR	NR	67	0.5' to 1'	78	1205	9				
10/7/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-007	SAIC03	1, p5-6	10/7/2008	NR	NR	67	1' to 2'	NR (82)	1213	9				
10/7/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-007	SAIC04	1, p5-6	10/7/2008	NR	NR	67	2' to 4'	NR (82)	1218	9				
10/10/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-008	SAIC01	1, p56-57	10/10/2008	NR	NR	55	0' to 0.5'	79	0849	8				
10/10/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-008	SAIC02	1, p56-57	10/10/2008	NR	NR	55	0.5' to 1'	66	0851	8				
10/10/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-008	SAIC03	1, p56-57	10/10/2008	NR	NR	55	1' to 2'	80	0853	8				
10/10/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-008	SAIC04	1, p56-57	10/10/2008	NR	NR	55	2' to 4'	62	0855	8				
10/8/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-009	SAIC01	1, p19-20	10/8/2008	NR	NR	57	0' to 0.5'	77	0856	11				
10/8/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-009	SAIC02	1, p19-20	10/8/2008	NR	NR	57	0.5' to 1'	68	0858	11				
10/8/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-009	SAIC03	1, p19-20	10/8/2008	NR	NR	57	1' to 2'	70	0904	11				
10/8/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-009	SAIC04	1, p19-20	10/8/2008	NR	NR	57	2' to 4'	60	0908	11				
10/8/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-010	SAIC01	1, p30-31	10/8/2008	NR	NR	50	0' to 0.5'	64	1356	10				
10/8/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-010	SAIC02	1, p30-31	10/8/2008	NR	NR	50	0.5' to 1'	65	1358	10				
10/8/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-010	SAIC03	1, p30-31	10/8/2008	NR	NR	50	1' to 2'	65	1401	10				
10/8/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-010	SAIC04	1, p30-31	10/8/2008	NR	NR	50	2' to 4'	74	1403	10				
10/8/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-011	SAIC01	1, p32-33	10/8/2008	NR	NR	64	0' to 0.5'	66	1445	11				
10/8/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-011	SAIC02	1, p32-33	10/8/2008	NR	NR	64	0.5' to 1'	61	1447	11				
10/8/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-011	SAIC03	1, p32-33	10/8/2008	NR	NR	64	1' to 2'	84	1452	11				
10/8/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-011	SAIC04	1, p32-33	10/8/2008	NR	NR	64	2' to 4'	70	1456	11				
10/10/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-012	SAIC01	1, p64-66	10/10/2008	NR	NR	60	0' to 0.5'	80	NR (1325)	11				
10/10/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-012	SAIC02	1, p64-66	10/10/2008	NR	NR	60	0.5' to 1'	80	NR (1327)	11				
10/10/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-012	SAIC03	1, p64-66	10/10/2008	NR	NR	60	1' to 2'	86	NR (1330)	11				

Summary of Soil Sampling Field Records

COC Listing Date	Soil Type Grouping	Site ID	Field Sample Number	Logbook Reference	Logbook Date	Northing	Easting	BK (cpm)	Depth	Count	Collection Time	Dose Rate	Comments	Penetrator ID	Kd Study Soil Bags ID	Leachability Soil Bags ID
10/10/2008	Category 1 – Outside DU Impact Area Perimeter	JP-SC1-012	SAIC04	1: p64-66	10/10/2008	NR	NR	60	2' to 4'	NA	NA	NA	For 0.5-1' BGS interval, the RAD screen is 80 cpm. No sample collection time written for any sampled interval in soil logbook 1 for "JP-SC1-012", but times shown on COC were used (in parenthesis). Bedrock refusal at 1.8' BGS, thus no soil samples from 2-4' BGS interval.			
10/7/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-001	SAIC01	1: p16-18	10/7/2008	NR	NR	61	0' to 0.5'	75	1643	8	Station ID is written incorrectly in soil logbook 1 as "JP-SC6-001". It should be "JP-SC2-001" after checking COC. Also, soil data for 4-6' BGS interval was extraneously collected by accident (in parenthesis) and no soil sample was collected at this interval.			
10/7/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-001	SAIC02	1: p16-18	10/7/2008	NR	NR	61	0.5' to 1'	66	1644	8				
10/7/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-001	SAIC03	1: p16-18	10/7/2008	NR	NR	61	1' to 2'	68	1646	8				
10/7/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-001	SAIC04	1: p16-18	10/7/2008	NR	NR	61	2' to 4'	68	1648	8				
10/7/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-001	SAIC01	1: p16-18	10/7/2008	NR	NR	61	4' to 6'	67	1650	6				
10/8/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-002	SAIC01	1: p34-35	10/8/2008	NR	NR	50	0' to 0.5'	55	1539	10				
10/8/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-002	SAIC02	1: p34-35	10/8/2008	NR	NR	50	0.5' to 1'	69	1541	10				
10/8/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-002	SAIC03	1: p34-35	10/8/2008	NR	NR	50	1' to 2'	75	1544	10				
10/8/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-002	SAIC04	1: p34-35	10/8/2008	NR	NR	50	2' to 4'	48	1546	10				
10/12/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-003	SAIC01	1: p96-97	10/12/2008	NR	NR	44	0' to 0.5'	62	1007	8				
10/12/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-003	SAIC02	1: p96-97	10/12/2008	NR	NR	44	0.5' to 1'	59	1010	8				
10/12/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-003	SAIC03	1: p96-97	10/12/2008	NR	NR	44	1' to 2'	60	1012	8				
10/12/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-003	SAIC04	1: p96-97	10/12/2008	NR	NR	44	2' to 4'	55	1019	8				
10/9/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-004	SAIC01	1: p43-44	10/9/2008	NR	NR	43	0' to 0.5'	63	1239	11	Station IDs not written out in their entirety on p. 44 of soil logbook 1 (it is determined that these Station IDs are JP-SC2-004 after checking sample times against COC).			
10/9/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-004	SAIC02	1: p43-44	10/9/2008	NR	NR	43	0.5' to 1'	70	1241	11				
10/9/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-004	SAIC03	1: p43-44	10/9/2008	NR	NR	43	1' to 2'	72	1244	11				
10/9/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-004	SAIC04	1: p43-44	10/9/2008	NR	NR	43	2' to 4'	68	1248	11				
10/7/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-005	SAIC01	1: p1-2	10/7/2008	4303090.51	636646.57	53	0' to 0.5'	72	0946	9				
10/7/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-005	SAIC02	1: p1-2	10/7/2008	4303090.51	636646.57	53	0.5' to 1'	78	0949	9				
10/7/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-005	SAIC03	1: p1-2	10/7/2008	4303090.51	636646.57	53	1' to 2'	64	0953	9				
10/7/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-005	SAIC04	1: p1-2	10/7/2008	4303090.51	636646.57	53	2' to 4'	63	0959	9				
10/7/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-006	SAIC01	1: p7-8	10/7/2008	NR	NR	72	0' to 0.5'	71	1307	8				
10/7/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-006	SAIC02	1: p7-8	10/7/2008	NR	NR	72	0.5' to 1'	69	1311	8				
10/7/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-006	SAIC03	1: p7-8	10/7/2008	NR	NR	72	1' to 2'	78	1320	8				
10/7/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-006	SAIC04	1: p7-8	10/7/2008	NR	NR	72	2' to 4'	69	1323	8				
10/10/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-007	SAIC01	1: p58-59	10/10/2008	NR	NR	57	0' to 0.5'	59	0933	10				
10/10/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-007	SAIC02	1: p58-59	10/10/2008	NR	NR	57	0.5' to 1'	65	0936	10				
10/10/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-007	SAIC03	1: p58-59	10/10/2008	NR	NR	57	1' to 2'	57	0939	10				
10/10/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-007	SAIC04	1: p58-59	10/10/2008	NR	NR	57	2' to 4'	63	0942	10				
10/13/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-008	SAIC01	2: p24-26	10/13/2008	NR	NR	53	0' to 0.5'	59	1056	11				
10/13/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-008	SAIC02	2: p24-26	10/13/2008	NR	NR	53	0.5' to 1'	42	1058	11				
10/13/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-008	SAIC03	2: p24-26	10/13/2008	NR	NR	53	1' to 2'	57	1100	11				
10/13/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-008	SAIC04	2: p24-26	10/13/2008	NR	NR	53	2' to 4'	58	1102	11				
10/12/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-009	SAIC01	2: 16-17	10/12/2008	NR	NR	61	0' to 0.5'	39	1752	8				
10/12/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-009	SAIC02	2: 16-17	10/12/2008	NR	NR	61	0.5' to 1'	52	1756	8				
10/12/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-009	SAIC03	2: 16-17	10/12/2008	NR	NR	61	1' to 2'	51	1757	8				
10/12/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-009	SAIC04	2: 16-17	10/12/2008	NR	NR	61	2' to 4'	52	1800	8				
10/14/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-010	SAIC01	3: 9-10	10/14/2008	NR	NR	43	0' to 0.5'	69	1315	11				
10/14/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-010	SAIC02	3: 9-10	10/14/2008	NR	NR	43	0.5' to 1'	66	1317	11				
10/14/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-010	SAIC03	3: 9-10	10/14/2008	NR	NR	43	1' to 2'	68	1319	11				
10/14/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-010	SAIC04	3: 9-10	10/14/2008	NR	NR	43	2' to 4'	73	1319	11				
10/8/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-011	SAIC01	1: p28-29	10/8/2008	NR	NR	58	0' to 0.5'	64	1307	8	Bedrock refusal at 3' BGS, thus, soil sample from 2-4' BGS interval was collected between 2' to 3' BGS.			
10/8/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-011	SAIC02	1: p28-29	10/8/2008	NR	NR	58	0.5' to 1'	58	1313	8				
10/8/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-011	SAIC03	1: p28-29	10/8/2008	NR	NR	58	1' to 2'	72	1315	8				
10/8/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-011	SAIC04	1: p28-29	10/8/2008	NR	NR	58	2' to 4'	78	1317	8				
10/11/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-012	SAIC01	1: p77-78	10/11/2008	NR	NR	53	0' to 0.5'	63	0923	10				
10/11/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-012	SAIC02	1: p77-78	10/11/2008	NR	NR	53	0.5' to 1'	65	0927	10				
10/11/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-012	SAIC03	1: p77-78	10/11/2008	NR	NR	53	1' to 2'	74	0930	10				
10/11/2008	Category 2 – Immediately Inside DU Impact Area	JP-SC2-012	SAIC04	1: p77-78	10/11/2008	NR	NR	53	2' to 4'	59	0934	10				
10/8/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-001	SAIC01	1: p25-27	10/8/2008	NR	NR	75	0' to 0.5'	67	1037	11				
10/8/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-001	SAIC02	1: p25-27	10/8/2008	NR	NR	75	0.5' to 1'	67	1140	11				
10/8/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-001	SAIC03	1: p25-27	10/8/2008	NR	NR	75	1' to 2'	77	1143	11				

Summary of Soil Sampling Field Records

COC Listing Date	Soil Type Grouping	Site ID	Field Sample Number	Logbook Reference	Logbook Date	Northing	Easting	BK (cpm)	Depth	Count	Collection Time	Dose Rate	Comments	Penetrator ID	Kd Study Soil Bags ID	Leachability Soil Bags ID
10/9/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-001	SAIC04	1: p25-27	10/8/2008	NR	NR	75	2' to 4'	58	1145	11				
10/9/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-001	SAIC05	1: p25-27	10/8/2008	NR	NR	75	4' to 6'	81	1147	11				
10/9/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-002	SAIC01	1: p53-55	10/9/2008	NR	NR	52	0' to 0.5'	51	1707	12				
10/9/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-002	SAIC02	1: p53-55	10/9/2008	NR	NR	52	0.5' to 1'	77	1709	12				
10/9/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-002	SAIC03	1: p53-55	10/9/2008	NR	NR	52	1' to 2'	66	1711	12				
10/9/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-002	SAIC04	1: p53-55	10/9/2008	NR	NR	52	2' to 4'	56	1721	12				
10/9/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-002	SAIC05	1: p53-55	10/9/2008	NR	NR	52	4' to 6'	66	1714	12				
10/12/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-003	SAIC01	2: p3-5	10/12/2008	4306051.73	636938.36	40	0' to 0.5'	53	1304	10				
10/12/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-003	SAIC02	2: p3-5	10/12/2008	4306051.73	636938.36	40	0.5' to 1'	70	1306	10				
10/12/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-003	SAIC03	2: p3-5	10/12/2008	4306051.73	636938.36	40	1' to 2'	64	1309	10				
10/12/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-003	SAIC04	2: p3-5	10/12/2008	4306051.73	636938.36	40	2' to 4'	48	1313	10				
10/12/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-003	SAIC05	2: p3-5	10/12/2008	4306051.73	636938.36	40	4' to 6'	57	1323	10				
10/7/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-004	SAIC01	1: p13-15	10/7/2008	NR	NR	63	0' to 0.5'	77	1533	8				
10/7/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-004	SAIC02	1: p13-15	10/7/2008	NR	NR	63	0.5' to 1'	77	1534	8				
10/7/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-004	SAIC03	1: p13-15	10/7/2008	NR	NR	63	1' to 2'	60	1538	8				
10/7/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-004	SAIC04	1: p13-15	10/7/2008	NR	NR	63	2' to 4'	64	1540	8				
10/7/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-004	SAIC05	1: p13-15	10/7/2008	NR	NR	63	4' to 6'	60	1544	8				
10/8/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-005	SAIC01	1: p36-38	10/8/2008	NR	NR	64	0' to 0.5'	99	1658	10				
10/8/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-005	SAIC02	1: p36-38	10/8/2008	NR	NR	64	0.5' to 1'	62	1700	10				
10/8/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-005	SAIC03	1: p36-38	10/8/2008	NR	NR	64	1' to 2'	58	1702	10				
10/8/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-005	SAIC04	1: p36-38	10/8/2008	NR	NR	64	2' to 4'	60	1705	10				
10/8/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-005	SAIC05	1: p36-38	10/8/2008	NR	NR	64	4' to 6'	68	1708	10				
10/20/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-006	SAIC01	2: p50-52	10/20/2008	NR	NR	45	0' to 0.5'	59	1332	9				
10/20/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-006	SAIC02	2: p50-52	10/20/2008	NR	NR	45	0.5' to 1'	42	1336	9				
10/20/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-006	SAIC03	2: p50-52	10/20/2008	NR	NR	45	1' to 2'	63	1339	9				
10/20/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-006	SAIC04	2: p50-52	10/20/2008	NR	NR	45	2' to 4'	73	1343	9				
10/20/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-006	SAIC05	2: p50-52	10/20/2008	NR	NR	45	4' to 6'	54	1348	9				
10/13/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-007	SAIC01	2: p26-28	10/13/2008	NR	NR	49	0' to 0.5'	47	1152	10				
10/13/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-007	SAIC02	2: p26-28	10/13/2008	NR	NR	49	0.5' to 1'	56	1154	10				
10/13/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-007	SAIC03	2: p26-28	10/13/2008	NR	NR	49	1' to 2'	73	1200	10				
10/13/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-007	SAIC04	2: p26-28	10/13/2008	NR	NR	49	2' to 4'	57	1203	10				
10/13/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-007	SAIC05	2: p26-28	10/13/2008	NR	NR	49	4' to 6'	43	1206	10				
10/13/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-008	SAIC01	2: p18-20	10/13/2008	NR	NR	49	0' to 0.5'	46	0835	9				
10/13/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-008	SAIC02	2: p18-20	10/13/2008	NR	NR	49	0.5' to 1'	45	0840	9				
10/13/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-008	SAIC03	2: p18-20	10/13/2008	NR	NR	49	1' to 2'	49	0844	9				
10/13/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-008	SAIC04	2: p18-20	10/13/2008	NR	NR	49	2' to 4'	57	0849	9				
10/13/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-008	SAIC05	2: p18-20	10/13/2008	NR	NR	49	4' to 6'	66	0852	9				
10/20/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-009	SAIC01	2: p42-44	10/20/2008	NR	NR	44	0' to 0.5'	71	0930	10	No sample collection time written for 4-6' BGS sample in soil logbook 2, but time shown on COC is used (in parenthesis).			
10/20/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-009	SAIC02	2: p42-44	10/20/2008	NR	NR	44	0.5' to 1'	46	0932	10				
10/20/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-009	SAIC03	2: p42-44	10/20/2008	NR	NR	44	1' to 2'	69	0935	10				
10/20/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-009	SAIC04	2: p42-44	10/20/2008	NR	NR	44	2' to 4'	76	0938	10				
10/20/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-009	SAIC05	2: p42-44	10/20/2008	NR	NR	44	4' to 6'	66	NR (941)	10				
10/20/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-010	SAIC01	2: p57-58	10/20/2008	NR	NR	53	0' to 0.5'	56	1639	10	Bedrock refusal at 3.5' BGS, thus, no soil sample from 4-6' BGS interval.			
10/20/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-010	SAIC02	2: p57-58	10/20/2008	NR	NR	53	0.5' to 1'	65	1641	10				
10/20/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-010	SAIC03	2: p57-58	10/20/2008	NR	NR	53	1' to 2'	70	1652	10				
10/20/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-010	SAIC04	2: p57-58	10/20/2008	NR	NR	53	2' to 4'	69	1700	10				
10/20/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-010	SAIC05	2: p57-58	10/20/2008	NR	NR	53	4' to 6'	NA	NA	NA				
10/13/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-011	SAIC01	2: p33-34	10/13/2008	NR	NR	47	0' to 0.5'	64	1502	11	Bedrock refusal at 3.75' BGS, thus, no soil sample from 4-6' BGS interval.			
10/13/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-011	SAIC02	2: p33-34	10/13/2008	NR	NR	47	0.5' to 1'	68	1504	11				
10/13/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-011	SAIC03	2: p33-34	10/13/2008	NR	NR	47	1' to 2'	62	1505	11				
10/13/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-011	SAIC04	2: p33-34	10/13/2008	NR	NR	47	2' to 4'	48	1507	11				
10/13/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-011	SAIC05	2: p33-34	10/13/2008	NR	NR	47	4' to 6'	NA	NA	NA				
10/10/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-012	SAIC01	1: p72-74	10/10/2008	NR	NR	63	0' to 0.5'	80	1655	11	Station ID is written incorrectly in soil logbook 1 as "JP-SC4-012". It should be "JP-SC3-012" after checking COC. RAD background screen and dose rate not written in soil logbook 1 for 2-4' BGS and 4-6' BGS intervals (but included in parenthesis).			
10/10/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-012	SAIC02	1: p72-74	10/10/2008	NR	NR	63	0.5' to 1'	73	1657	11				
10/10/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-012	SAIC03	1: p72-74	10/10/2008	NR	NR	63	1' to 2'	53	1659	11				
10/10/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-012	SAIC04	1: p72-74	10/10/2008	NR	NR	63	2' to 4'	72	1701	NR (11)				
10/10/2008	Category 3 – Midway to DU Impact Area Trenches	JP-SC3-012	SAIC05	1: p72-74	10/10/2008	NR	NR	63	4' to 6'	69	1703	NR (11)				
10/11/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-001	SAIC01	1: p91-93	10/11/2008	NR	NR	53	0' to 0.5'	63	1635	9				
10/11/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-001	SAIC02	1: p91-93	10/11/2008	NR	NR	53	0.5' to 1'	52	1637	9				
10/11/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-001	SAIC03	1: p91-93	10/11/2008	NR	NR	53	1' to 2'	41	1639	9				
10/11/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-001	SAIC04	1: p91-93	10/11/2008	NR	NR	53	2' to 4'	49	1641	9				

Summary of Soil Sampling Field Records

COC Listing Date	Soil Type Grouping	Site ID	Field Sample Number	Logbook Reference	Logbook Date	Northing	Easting	BK (cpm)	Depth	Count	Collection Time	Dose Rate	Comments	Penetrator ID	Kd Study Soil Bags ID	Leachability Soil Bags ID
10/11/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-001	SAIC05	1: p91-93	10/11/2008	NR	NR	53	4' to 6'	56	1648	9	Bedrock refusal at 3.5' BGS, thus, no soil sample from 4-6' BGS interval.			
10/13/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-002	SAIC01	2: p37-39	10/13/2008	NR	NR	46	0' to 0.5'	63	1731	10				
10/13/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-002	SAIC02	2: p37-39	10/13/2008	NR	NR	46	0.5' to 1'	59	1733	10				
10/13/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-002	SAIC03	2: p37-39	10/13/2008	NR	NR	46	1' to 2'	57	1735	10				
10/13/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-002	SAIC04	2: p37-39	10/13/2008	NR	NR	46	2' to 4'	62	1756	10				
10/13/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-002	SAIC05	2: p37-39	10/13/2008	NR	NR	46	4' to 6'	NA	NA	NA				
10/10/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-003	SAIC01	1: p62-64	10/10/2008	NR	NR	56	0' to 0.5'	80	1158	12				
10/10/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-003	SAIC02	1: p62-64	10/10/2008	NR	NR	56	0.5' to 1'	87	1200	12				
10/10/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-003	SAIC03	1: p62-64	10/10/2008	NR	NR	56	1' to 2'	82	1202	12				
10/10/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-003	SAIC04	1: p62-64	10/10/2008	NR	NR	56	2' to 4'	69	1204	12				
10/10/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-003	SAIC05	1: p62-64	10/10/2008	NR	NR	56	4' to 6'	73	1206	12				
10/7/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-004	SAIC01	1:p11-13, 16	10/7/2008	NR	NR	79	0' to 0.5'	60	1504	8				
10/7/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-004	SAIC02	1:p11-13, 16	10/7/2008	NR	NR	79	0.5' to 1'	65	1506	8				
10/7/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-004	SAIC03	1:p11-13, 16	10/7/2008	NR	NR	79	1' to 2'	58	1508	8				
10/7/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-004	SAIC04	1:p11-13, 16	10/7/2008	NR	NR	79	2' to 4'	68	1510	8				
10/7/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-004	SAIC05	1:p11-13, 16	10/7/2008	NR	NR	79	4' to 6'	65	1516	8				
10/10/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-005	SAIC01	1: p68-70	10/10/2008	NR	NR	53	0' to 0.5'	64	1521	9				
10/10/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-005	SAIC02	1: p68-70	10/10/2008	NR	NR	53	0.5' to 1'	68	1525	9				
10/10/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-005	SAIC03	1: p68-70	10/10/2008	NR	NR	53	1' to 2'	67	1529	9				
10/10/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-005	SAIC04	1: p68-70	10/10/2008	NR	NR	53	2' to 4'	66	1535	9				
10/10/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-005	SAIC05	1: p68-70	10/10/2008	NR	NR	53	4' to 6'	58	1540	9				
10/8/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-006	SAIC01	1: 38-40	10/8/2008	NR	NR	51	0' to 0.5'	57	1721	8				
10/8/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-006	SAIC02	1: 38-40	10/8/2008	NR	NR	51	0.5' to 1'	62	1723	8				
10/8/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-006	SAIC03	1: 38-40	10/8/2008	NR	NR	51	1' to 2'	51	1725	8				
10/8/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-006	SAIC04	1: 38-40	10/8/2008	NR	NR	51	2' to 4'	63	1730	8				
10/8/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-006	SAIC05	1: 38-40	10/8/2008	NR	NR	51	4' to 6'	83	1732	8				
10/14/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-007	SAIC01	3: p13-15	10/14/2008	NR	NR	59	0' to 0.5'	69	1600	12				
10/14/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-007	SAIC02	3: p13-15	10/14/2008	NR	NR	59	0.5' to 1'	58	1601	12				
10/14/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-007	SAIC03	3: p13-15	10/14/2008	NR	NR	59	1' to 2'	66	1603	12				
10/14/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-007	SAIC04	3: p13-15	10/14/2008	NR	NR	59	2' to 4'	83	1608	12				
10/14/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-007	SAIC05	3: p13-15	10/14/2008	NR	NR	59	4' to 6'	76	1612	12				
10/13/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-008	SAIC01	2: p35-37	10/13/2008	4307623.67	637118.97	47	0' to 0.5'	53	1614	10				
10/13/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-008	SAIC02	2: p35-37	10/13/2008	4307623.67	637118.97	47	0.5' to 1'	52	1618	10				
10/13/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-008	SAIC03	2: p35-37	10/13/2008	4307623.67	637118.97	47	1' to 2'	53	1622	10				
10/13/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-008	SAIC04	2: p35-37	10/13/2008	4307623.67	637118.97	47	2' to 4'	68	1626	10				
10/13/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-008	SAIC05	2: p35-37	10/13/2008	4307623.67	637118.97	47	4' to 6'	56	1630	10				
10/12/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-009	SAIC01	2: p11-13	10/12/2008	NR	NR	51	0' to 0.5'	49	1625	10				
10/12/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-009	SAIC02	2: p11-13	10/12/2008	NR	NR	51	0.5' to 1'	57	1629	10				
10/12/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-009	SAIC03	2: p11-13	10/12/2008	NR	NR	51	1' to 2'	57	1632	10				
10/12/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-009	SAIC04	2: p11-13	10/12/2008	NR	NR	51	2' to 4'	54	1636	10				
10/12/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-009	SAIC05	2: p11-13	10/12/2008	NR	NR	51	4' to 6'	63	1641	10				
10/11/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-010	SAIC01	1: p79-81	10/11/2008	NR	NR	40	0' to 0.5'	69	1033	11				
10/11/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-010	SAIC02	1: p79-81	10/11/2008	NR	NR	40	0.5' to 1'	68	1036	11				

Summary of Soil Sampling Field Records

COC Listing Date	Soil Type Grouping	Site ID	Field Sample Number	Logbook Reference	Logbook Date	Northing	Easting	BK (cpm)	Depth	Count	Collection Time	Dose Rate	Comments	Penetrator ID	Kd Study Soil Bags ID	Leachability Soil Bags ID
10/11/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-010	SAIC03	1: p79-81	10/11/2008	NR	NR	40	1' to 2'	61	1038	11				
10/11/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-010	SAIC04	1: p79-81	10/11/2008	NR	NR	40	2' to 4'	72	1041	11				
10/11/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-010	SAIC05	1: p79-81	10/11/2008	NR	NR	40	4' to 6'	83	1047	11				
													Soil data from 4-6' BGS is missing in soil logbook 1 at "JP-SC4-011". Also, no soil sample from this depth interval was collected and shown in COC. No bedrock refusal problems noted, thus it is assumed data was missed and not captured in the field.			
10/8/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-011	SAIC01	1: p23-25	10/8/2008	NR	NR	63	0' to 0.5'	57	1113	8				
10/8/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-011	SAIC02	1: p23-25	10/8/2008	NR	NR	63	0.5' to 1'	77	1115	8				
10/8/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-011	SAIC03	1: p23-25	10/8/2008	NR	NR	63	1' to 2'	64	1121	8				
10/8/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-011	SAIC04	1: p23-25	10/8/2008	NR	NR	63	2' to 4'	68	1122	8				
10/8/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-011	SAIC05	1: p23-25	10/8/2008	NR	NR	63	4' to 6'	NC	NC	NC				
													Station ID is written incorrectly as "JP-SC4-012" on page 72 of soil logbook 1. The correct data for "JP-SC4-012" is found on pages 21-23 in soil logbook 1.			
10/8/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-012	SAIC01	1: p21-23	10/8/2008	NR	NR	44	0' to 0.5'	57	0943	9				
10/8/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-012	SAIC02	1: p21-23	10/8/2008	NR	NR	44	0.5' to 1'	41	0946	9				
10/8/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-012	SAIC03	1: p21-23	10/8/2008	NR	NR	44	1' to 2'	60	0950	9				
10/8/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-012	SAIC04	1: p21-23	10/8/2008	NR	NR	44	2' to 4'	56	0954	9				
10/8/2008	Category 4 – Immediately Outside DU Impact Area Trenches	JP-SC4-012	SAIC05	1: p21-23	10/8/2008	NR	NR	44	4' to 6'	51	1000	9				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-001	SAIC01	1: p47-48	10/9/2008	4304615.45	638099.40	42	0' to 0.5'	57	1457	11				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-001	SAIC02	1: p47-48	10/9/2008	4304615.45	638099.40	42	0.5' to 1'	59	1459	11				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-001	SAIC03	1: p47-48	10/9/2008	4304615.45	638099.40	42	1' to 2'	53	1502	11				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-001	SAIC04	1: p47-48	10/9/2008	4304615.45	638099.40	42	2' to 4'	63	1504	11				
													Station ID is written incorrectly as "JP-SC5-008" on page 88-89 of soil logbook 1. It should be "JP-SC5-002" after checking COC. No sample collection time written for 2-4' BGS sample in soil logbook 1, but time shown on COC is used (in parenthesis).			
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-002	SAIC01	1: p87-89	10/11/2008	NR	NR	45	0' to 0.5'	65	1455	10.5				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-002	SAIC02	1: p87-89	10/11/2008	NR	NR	45	0.5' to 1'	65	1459	11				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-002	SAIC03	1: p87-89	10/11/2008	NR	NR	45	1' to 2'	54	1500	11				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-002	SAIC04	1: p87-89	10/11/2008	NR	NR	45	2' to 4'	60	NR (1503)	11				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-003	SAIC01	2: p1-2	10/12/2008	NR	NR	54	0' to 0.5'	48	1239	7				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-003	SAIC02	2: p1-2	10/12/2008	NR	NR	54	0.5' to 1'	54	1240	7				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-003	SAIC03	2: p1-2	10/12/2008	NR	NR	54	1' to 2'	48	1242	7				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-003	SAIC04	2: p1-2	10/12/2008	NR	NR	54	2' to 4'	47	1245	7				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-004	SAIC01	3: p11-12	10/14/2008	NR	NR	49	0' to 0.5'	62	1348	10				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-004	SAIC02	3: p11-12	10/14/2008	NR	NR	49	0.5' to 1'	53	1350	10				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-004	SAIC03	3: p11-12	10/14/2008	NR	NR	49	1' to 2'	55	1352	10				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-004	SAIC04	3: p11-12	10/14/2008	NR	NR	49	2' to 4'	57	1354	10				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-005	SAIC01	3: p5-6	10/14/2008	NR	NR	55	0' to 0.5'	72	1039	11				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-005	SAIC02	3: p5-6	10/14/2008	NR	NR	55	0.5' to 1'	65	1040	11				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-005	SAIC03	3: p5-6	10/14/2008	NR	NR	55	1' to 2'	57	1042	11				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-005	SAIC04	3: p5-6	10/14/2008	NR	NR	55	2' to 4'	74	1044	11				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-006	SAIC01	3: p1-2	10/14/2008	4308870.92	637982.69	52	0' to 0.5'	76	0917	10				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-006	SAIC02	3: p1-2	10/14/2008	4308870.92	637982.69	52	0.5' to 1'	65	0919	10				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-006	SAIC03	3: p1-2	10/14/2008	4308870.92	637982.69	52	1' to 2'	79	0921	10				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-006	SAIC04	3: p1-2	10/14/2008	4308870.92	637982.69	52	2' to 4'	65	0923	10				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-007	SAIC01	3: p3-4	10/14/2008	NR	NR	50	0' to 0.5'	60	1006	10				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-007	SAIC02	3: p3-4	10/14/2008	NR	NR	50	0.5' to 1'	54	1007	10				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-007	SAIC03	3: p3-4	10/14/2008	NR	NR	50	1' to 2'	65	1009	10				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-007	SAIC04	3: p3-4	10/14/2008	NR	NR	50	2' to 4'	67	1012	10				

Summary of Soil Sampling Field Records

COC Listing Date	Soil Type Grouping	Site ID	Field Sample Number	Logbook Reference	Logbook Date	Northing	Easting	BK (cpm)	Depth	Count	Collection Time	Dose Rate	Comments	Penetrator ID	Kd Study Soil Bags ID	Leachability Soil Bags ID
													Station ID is written incorrectly as "JP-SC5-008" on pages 88-89 of soil logbook 1. The correct data for "JP-SC5-008" is found on pages 85-87 in soil logbook 1. No sample collection time written for 2-4' BGS sample in soil logbook 1, but time shown on COC is used (in parenthesis).			
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-008	SAIC01	1: p85-87	10/11/2008	NR	NR	50	0' to 0.5'	68	1354	12.5				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-008	SAIC02	1: p85-87	10/11/2008	NR	NR	50	0.5' to 1'	62	1356	12.5				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-008	SAIC03	1: p85-87	10/11/2008	NR	NR	50	1' to 2'	51	1358	12.5				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-008	SAIC04	1: p85-87	10/11/2008	NR	NR	50	2' to 4'	59	NR (1404)	12.5				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-009	SAIC01	1: p49-50	10/9/2008	NR	NR	45	0' to 0.5'	51	1415	11				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-009	SAIC02	1: p49-50	10/9/2008	NR	NR	45	0.5' to 1'	61	1417	11				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-009	SAIC03	1: p49-50	10/9/2008	NR	NR	45	1' to 2'	71	1421	11				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-009	SAIC04	1: p49-50	10/9/2008	NR	NR	45	2' to 4'	42	1423	11				
10/10/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-010	SAIC01	1: p66-67	10/10/2008	NR	NR	60	0' to 0.5'	83	1403	11				
10/10/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-010	SAIC02	1: p66-67	10/10/2008	NR	NR	60	0.5' to 1'	79	1406	11				
10/10/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-010	SAIC03	1: p66-67	10/10/2008	NR	NR	60	1' to 2'	72	1408	11				
10/10/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-010	SAIC04	1: p66-67	10/10/2008	NR	NR	60	2' to 4'	77	1410	11				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-011	SAIC01	1: p94-95	10/12/2008	NR	NR	68	0' to 0.5'	70	0839	10				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-011	SAIC02	1: p94-95	10/12/2008	NR	NR	68	0.5' to 1'	61	0841	10				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-011	SAIC03	1: p94-95	10/12/2008	NR	NR	68	1' to 2'	60	0845	10				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-011	SAIC04	1: p94-95	10/12/2008	NR	NR	68	2' to 4'	88	0851	10				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-012	SAIC01	2: p7-9	10/12/2008	NR	NR	52	0' to 0.5'	65	1516	10				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-012	SAIC02	2: p7-9	10/12/2008	NR	NR	52	0.5' to 1'	68	1518	10				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-012	SAIC03	2: p7-9	10/12/2008	NR	NR	52	1' to 2'	57	1520	NR				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-012	SAIC04	2: p7-9	10/12/2008	NR	NR	52	2' to 4'	58	1523	10				
													No sample collection time written for 1-2' BGS sample in soil logbook 2, but time shown on COC is used (in parenthesis).			
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-013	SAIC01	2: p44-46	10/20/2008	NR	NR	63	0' to 0.5'	71	1043	10				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-013	SAIC02	2: p44-46	10/20/2008	NR	NR	63	0.5' to 1'	63	1045	10				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-013	SAIC03	2: p44-46	10/20/2008	NR	NR	63	1' to 2'	68	NR (1047)	10				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-013	SAIC04	2: p44-46	10/20/2008	NR	NR	63	2' to 4'	69	1050	10				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-014	SAIC01	1: p81-83	10/11/2008	NR	NR	39	0' to 0.5'	58	1116	11				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-014	SAIC02	1: p81-83	10/11/2008	NR	NR	39	0.5' to 1'	58	1118	11				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-014	SAIC03	1: p81-83	10/11/2008	NR	NR	39	1' to 2'	58	1121	11				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-014	SAIC04	1: p81-83	10/11/2008	NR	NR	39	2' to 4'	60	1128	11				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-015	SAIC01	1: p75-76	10/11/2008	NR	NR	55	0' to 0.5'	39	0822	10				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-015	SAIC02	1: p75-76	10/11/2008	NR	NR	55	0.5' to 1'	52	0824	10				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-015	SAIC03	1: p75-76	10/11/2008	NR	NR	55	1' to 2'	53	0826	10				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-015	SAIC04	1: p75-76	10/11/2008	NR	NR	55	2' to 4'	60	0829	10				
10/10/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-016	SAIC01	1: p70-72	10/10/2008	NR	NR	43	0' to 0.5'	78	1635	9				
10/10/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-016	SAIC02	1: p70-72	10/10/2008	NR	NR	43	0.5' to 1'	62	1638	9				
10/10/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-016	SAIC03	1: p70-72	10/10/2008	NR	NR	43	1' to 2'	77	1639	9				
10/10/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-016	SAIC04	1: p70-72	10/10/2008	NR	NR	43	2' to 4'	77	1641	9				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-017	SAIC01	2: p53-54	10/20/2008	NR	NR	46	0' to 0.5'	62	1531	11				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-017	SAIC02	2: p53-54	10/20/2008	NR	NR	46	0.5' to 1'	58	1533	11				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-017	SAIC03	2: p53-54	10/20/2008	NR	NR	46	1' to 2'	53	1535	11				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-017	SAIC04	2: p53-54	10/20/2008	NR	NR	46	2' to 4'	61	1536	11				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-018	SAIC01	3: 17-19	10/14/2008	NR	NR	71	0' to 0.5'	69	1634	11				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-018	SAIC02	3: 17-19	10/14/2008	NR	NR	71	0.5' to 1'	72	1636	11				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-018	SAIC03	3: 17-19	10/14/2008	NR	NR	71	1' to 2'	61	1638	11				
10/14/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-018	SAIC04	3: 17-19	10/14/2008	NR	NR	71	2' to 4'	75	1640	11				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-019	SAIC01	2: p48-50	10/20/2008	NR	NR	47	0' to 0.5'	65	1309	9				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-019	SAIC02	2: p48-50	10/20/2008	NR	NR	47	0.5' to 1'	65	1311	9				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-019	SAIC03	2: p48-50	10/20/2008	NR	NR	47	1' to 2'	61	1313	9				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-019	SAIC04	2: p48-50	10/20/2008	NR	NR	47	2' to 4'	66	1314	9				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-020	SAIC01	2: p46-48	10/20/2008	NR	NR	54	0' to 0.5'	66	1230	8				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-020	SAIC02	2: p46-48	10/20/2008	NR	NR	54	0.5' to 1'	65	1232	8				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-020	SAIC03	2: p46-48	10/20/2008	NR	NR	54	1' to 2'	79	1234	8				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-020	SAIC04	2: p46-48	10/20/2008	NR	NR	54	2' to 4'	71	1235	8				
10/13/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-021	SAIC01	2: p31-32	10/13/2008	NR	NR	49	0' to 0.5'	47	1356	10				
10/13/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-021	SAIC02	2: p31-32	10/13/2008	NR	NR	49	0.5' to 1'	54	1358	10				
10/13/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-021	SAIC03	2: p31-32	10/13/2008	NR	NR	49	1' to 2'	49	1359	10				
10/13/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-021	SAIC04	2: p31-32	10/13/2008	NR	NR	49	2' to 4'	55	1402	10				
													No sample collection time written for 0.5-1' BGS sample in soil logbook 2, but time shown on COC is used (in parenthesis).			
10/13/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-022	SAIC01	2: p29-30	10/13/2008	NR	NR	53	0' to 0.5'	46	1226	10				
10/13/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-022	SAIC02	2: p29-30	10/13/2008	NR	NR	53	0.5' to 1'	70	NR (1228)	10				
10/13/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-022	SAIC03	2: p29-30	10/13/2008	NR	NR	53	1' to 2'	58	1230	10				
10/13/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-022	SAIC04	2: p29-30	10/13/2008	NR	NR	53	2' to 4'	55	1232	10				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-023	SAIC01	2: p14-15	10/12/2008	NR	NR	41	0' to 0.5'	51	1709	8				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-023	SAIC02	2: p14-15	10/12/2008	NR	NR	41	0.5' to 1'	56	1711	8				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-023	SAIC03	2: p14-15	10/12/2008	NR	NR	41	1' to 2'	43	1715	8				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-023	SAIC04	2: p14-15	10/12/2008	NR	NR	41	2' to 4'	60	1723	8				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-024	SAIC01	2: p40-41	10/20/2008	43079197.20	637932.51	63	0' to 0.5'	72	1010	12				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-024	SAIC02	2: p40-41	10/20/2008	43079197.20	637932.51	63	0.5' to 1'	70	1012	12				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-024	SAIC03	2: p40-41	10/20/2008	43079197.20	637932.51	63	1' to 2'	59	1014	12				

Summary of Soil Sampling Field Records

COC Listing Date	Soil Type Grouping	Site ID	Field Sample Number	Logbook Reference	Logbook Date	Northing	Easting	BK (cpm)	Depth	Count	Collection Time	Dose Rate	Comments	Penetrator ID	Kd Study Soil Bags ID	Leachability Soil Bags ID
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-024	SAIC04	2: p40-41	10/20/2008	43079197.20	637932.51	63	2' to 4'	67	1016	12				
10/10/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-025	SAIC01	1: p60-61	10/10/2008	NR	NR	56	0' to 0.5'	78	1114	13				
10/10/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-025	SAIC02	1: p60-61	10/10/2008	NR	NR	56	0.5' to 1'	65	1116	13				
10/10/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-025	SAIC03	1: p60-61	10/10/2008	NR	NR	56	1' to 2'	68	1119	13				
10/10/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-025	SAIC04	1: p60-61	10/10/2008	NR	NR	56	2' to 4'	82	1122	13				
													Soil data from 2-4' BGS is deleted in soil logbook 1 because of bedrock refusal at 2' BGS (thus no soil sample from 2-4' BGS interval).			
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-026	SAIC01	1: p98-99	10/12/2008	NR	NR	49	0' to 0.5'	42	1113	11				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-026	SAIC02	1: p98-99	10/12/2008	NR	NR	49	0.5' to 1'	60	1116	11				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-026	SAIC03	1: p98-99	10/12/2008	NR	NR	49	1' to 2'	58	1121	11				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-026	SAIC04	1: p98-99	10/12/2008	NR	NR	49	2' to 4'	NA	NA	NA				
													Dose rates not written in soil logbook 1 for 2-4' BGS and 4-6' BGS intervals (but included in parenthesis and brackets). Also, soil data for 4-6' BGS interval was extraneously collected by accident (in parenthesis) and no soil sample was collected at this interval.			
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-027	SAIC01	1: p51-53	10/9/2008	4504946.80	637816.60	42	0' to 0.5'	56	1545	10				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-027	SAIC02	1: p51-53	10/9/2008	4504946.80	637816.60	42	0.5' to 1'	60	1547	10				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-027	SAIC03	1: p51-53	10/9/2008	4504946.80	637816.60	42	1' to 2'	52	1550	NR				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-027	SAIC04	1: p51-53	10/9/2008	4504946.80	637816.60	42	2' to 4'	56	1553	NR (10)				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-027	SAIC01	1: p51-53	10/9/2008	4504946.80	637816.60	42	4' to 6'	45	NA	101				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-028	SAIC01	1: p89-91	10/11/2008	NR	NR	43	0' to 0.5'	49	1550	9				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-028	SAIC02	1: p89-91	10/11/2008	NR	NR	43	0.5' to 1'	69	1555	9				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-028	SAIC03	1: p89-91	10/11/2008	NR	NR	43	1' to 2'	53	1600	9				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-028	SAIC04	1: p89-91	10/11/2008	NR	NR	43	2' to 4'	58	1603	9				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-029	SAIC01	2: p55-56	10/20/2008	4306294.80	6378575.34	56	0' to 0.5'	55	1612	10				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-029	SAIC02	2: p55-56	10/20/2008	4306294.80	6378575.34	56	0.5' to 1'	64	1613	10				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-029	SAIC03	2: p55-56	10/20/2008	4306294.80	6378575.34	56	1' to 2'	75	1615	10				
10/20/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-029	SAIC04	2: p55-56	10/20/2008	4306294.80	6378575.34	56	2' to 4'	64	1617	10				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-030	SAIC01	2: p9-11	10/12/2008	NR	NR	48	0' to 0.5'	43	1548	8				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-030	SAIC02	2: p9-11	10/12/2008	NR	NR	48	0.5' to 1'	48	1551	8				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-030	SAIC03	2: p9-11	10/12/2008	NR	NR	48	1' to 2'	55	1553	8				
10/12/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-030	SAIC04	2: p9-11	10/12/2008	NR	NR	48	2' to 4'	43	1554	8				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-031	SAIC01	1: p83-85	10/11/2008	4305313.5	637319.90	58	0' to 0.5'	53	1245	10				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-031	SAIC02	1: p83-85	10/11/2008	4305313.5	637319.90	58	0.5' to 1'	53	1249	10				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-031	SAIC03	1: p83-85	10/11/2008	4305313.5	637319.90	58	1' to 2'	58	1254	10				
10/11/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-031	SAIC04	1: p83-85	10/11/2008	4305313.5	637319.90	58	2' to 4'	50	1300	10				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-032	SAIC01	1: p41-42	10/9/2008	NR	NR	42	0' to 0.5'	39	0939	8				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-032	SAIC02	1: p41-42	10/9/2008	NR	NR	42	0.5' to 1'	55	0943	8				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-032	SAIC03	1: p41-42	10/9/2008	NR	NR	42	1' to 2'	45	0947	8				
10/9/2008	Category 5 – Other Nature and Extent Samples	JP-SC5-032	SAIC04	1: p41-42	10/9/2008	NR	NR	42	2' to 4'	52	1000	8				
													Station ID is written incorrectly as "JP-SC6-001" on pages 16-18 of soil logbook 1. The correct data for "JP-SC6-001" is found on pages 41-43 in soil logbook 3.			
10/25/2008	Category 6 – Trench Locations	JP-SC6-001	SAIC01	3: p41-43	10/25/2008	4303273.75	637660.06	50	0' to 0.5'	84	0900	9				
10/25/2008	Category 6 – Trench Locations	JP-SC6-001	SAIC02	3: p41-43	10/25/2008	4303273.75	637660.06	50	0.5' to 1'	65	0906	9				
10/25/2008	Category 6 – Trench Locations	JP-SC6-001	SAIC03	3: p41-43	10/25/2008	4303273.75	637660.06	50	1' to 2'	58	0911	9				
10/25/2008	Category 6 – Trench Locations	JP-SC6-001	SAIC04	3: p41-43	10/25/2008	4303273.75	637660.06	50	2' to 4'	55	0916	9				
10/25/2008	Category 6 – Trench Locations	JP-SC6-001	SAIC05	3: p41-43	10/25/2008	4303273.75	637660.06	50	4' to 6'	52	0920	9				
													Station ID is written incorrectly on page 11 of soil logbook 1 as "JP-SC2-006" for 4-6' BGS interval. It should be "JP-SC6-002" after checking COC. Sample ID is written incorrectly as SAIC06 and it should be SAIC05 for 4-6' BGS interval.			
10/7/2008	Category 6 – Trench Locations	JP-SC6-002	SAIC01	1: p9-11	10/7/2008	NR	NR	66	0' to 0.5'	66	1359	10				
10/7/2008	Category 6 – Trench Locations	JP-SC6-002	SAIC02	1: p9-11	10/7/2008	NR	NR	66	0.5' to 1'	77	1403	10				
10/7/2008	Category 6 – Trench Locations	JP-SC6-002	SAIC03	1: p9-11	10/7/2008	NR	NR	66	1' to 2'	68	1409	10				
10/7/2008	Category 6 – Trench Locations	JP-SC6-002	SAIC04	1: p9-11	10/7/2008	NR	NR	66	2' to 4'	76	1416	10				
10/7/2008	Category 6 – Trench Locations	JP-SC6-002	SAIC05	1: p9-11	10/7/2008	NR	NR	66	4' to 6'	57	1438	10				
10/25/2008	Category 6 – Trench Locations	JP-SC6-003	SAIC01	4: p6-8	10/25/2008	NR	NR	77	0' to 0.5'	143	1135	35 (general area - waist high) / 60 (contact area)				
10/25/2008	Category 6 – Trench Locations	JP-SC6-003	SAIC02	4: p6-8	10/25/2008	NR	NR	77	0.5' to 1'	144	1140	35 (general area - waist high) / 60 (contact area)				
10/25/2008	Category 6 – Trench Locations	JP-SC6-003	SAIC03	4: p6-8	10/25/2008	NR	NR	77	1' to 2'	112	1150	35 (general area - waist high) / 60 (contact area)				
10/25/2008	Category 6 – Trench Locations	JP-SC6-003	SAIC04	4: p6-8	10/25/2008	NR	NR	77	2' to 4'	73	1215	35 (general area - waist high) / 60 (contact area)				

Summary of Soil Sampling Field Records

COC Listing Date	Soil Type Grouping	Site ID	Field Sample Number	Logbook Reference	Logbook Date	Northing	Easting	BK (cpm)	Depth	Count	Collection Time	Dose Rate	Comments	Penetrator ID	Kd Study Soil Bags ID	Leachability Soil Bags ID
10/25/2008	Category 6 – Trench Locations	JP-SC6-003	SAIC05	4; p6-8	10/25/2008	NR	NR	77	4' to 6'	63	1304	35 (general area - waist high) / 60 (contact area)	Station ID is written incorrectly on page 46 of soil logbook 3 as "JP-SC6-001" for 4-6' BGS interval. It should be "JP-SC6-004" after checking COC.			
10/25/2008	Category 6 – Trench Locations	JP-SC6-004	SAIC01	3; p44-46	10/25/2008	4303586.26	637659.54	70	0' to 0.5'	75	1014	12				
10/25/2008	Category 6 – Trench Locations	JP-SC6-004	SAIC02	3; p44-46	10/25/2008	4303586.26	637659.54	70	0.5' to 1'	74	1018	12				
10/25/2008	Category 6 – Trench Locations	JP-SC6-004	SAIC03	3; p44-46	10/25/2008	4303586.26	637659.54	70	1' to 2'	51	1021	12				
10/25/2008	Category 6 – Trench Locations	JP-SC6-004	SAIC04	3; p44-46	10/25/2008	4303586.26	637659.54	70	2' to 4'	93	1024	12				
10/25/2008	Category 6 – Trench Locations	JP-SC6-004	SAIC05	3; p44-46	10/25/2008	4303586.26	637659.54	70	4' to 6'	44	1028	12				
10/25/2008	Category 6 – Trench Locations	JP-SC6-005	SAIC01	4; p1-3	10/25/2008	NR	NR	56	0' to 0.5'	57	0847	9				
10/25/2008	Category 6 – Trench Locations	JP-SC6-005	SAIC02	4; p1-3	10/25/2008	NR	NR	56	0.5' to 1'	51	0850	9				
10/25/2008	Category 6 – Trench Locations	JP-SC6-005	SAIC03	4; p1-3	10/25/2008	NR	NR	56	1' to 2'	65	0853	9				
10/25/2008	Category 6 – Trench Locations	JP-SC6-005	SAIC04	4; p1-3	10/25/2008	NR	NR	56	2' to 4'	72	0900	9				
10/25/2008	Category 6 – Trench Locations	JP-SC6-005	SAIC05	4; p1-3	10/25/2008	NR	NR	56	4' to 6'	69	0907	9				
10/24/2008	Category 6 – Trench Locations	JP-SC6-006	SAIC01	3; p34-36	10/24/2008	NR	NR	64	0' to 0.5'	49	1111	11				
10/24/2008	Category 6 – Trench Locations	JP-SC6-006	SAIC02	3; p34-36	10/24/2008	NR	NR	64	0.5' to 1'	58	1113	11				
10/24/2008	Category 6 – Trench Locations	JP-SC6-006	SAIC03	3; p34-36	10/24/2008	NR	NR	64	1' to 2'	67	1116	11				
10/24/2008	Category 6 – Trench Locations	JP-SC6-006	SAIC04	3; p34-36	10/24/2008	NR	NR	64	2' to 4'	51	1118	11				
10/24/2008	Category 6 – Trench Locations	JP-SC6-006	SAIC05	3; p34-36	10/24/2008	NR	NR	64	4' to 6'	55	1120	11				
10/25/2008	Category 6 – Trench Locations	JP-SC6-007	SAIC01	3; p46-48	10/25/2008	4304084.85	637656.02	96	0' to 0.5'	154	1232	20				
10/25/2008	Category 6 – Trench Locations	JP-SC6-007	SAIC02	3; p46-48	10/25/2008	4304084.85	637656.02	96	0.5' to 1'	93	1242	20				
10/25/2008	Category 6 – Trench Locations	JP-SC6-007	SAIC03	3; p46-48	10/25/2008	4304084.85	637656.02	96	1' to 2'	79	1244	20				
10/25/2008	Category 6 – Trench Locations	JP-SC6-007	SAIC04	3; p46-48	10/25/2008	4304084.85	637656.02	96	2' to 4'	74	1250	20				
10/25/2008	Category 6 – Trench Locations	JP-SC6-007	SAIC05	3; p46-48	10/25/2008	4304084.85	637656.02	96	4' to 6'	65	1258	20				
10/25/2008	Category 6 – Trench Locations	JP-SC6-008	SAIC01	4; p3-5	10/25/2008	NR	NR	59	0' to 0.5'	86	1029	11				
10/25/2008	Category 6 – Trench Locations	JP-SC6-008	SAIC02	4; p3-5	10/25/2008	NR	NR	59	0.5' to 1'	75	1033	11				
10/25/2008	Category 6 – Trench Locations	JP-SC6-008	SAIC03	4; p3-5	10/25/2008	NR	NR	59	1' to 2'	64	1036	11				
10/25/2008	Category 6 – Trench Locations	JP-SC6-008	SAIC04	4; p3-5	10/25/2008	NR	NR	59	2' to 4'	77	1042	11				
10/25/2008	Category 6 – Trench Locations	JP-SC6-008	SAIC05	4; p3-5	10/25/2008	NR	NR	59	4' to 6'	69	1051	11				
10/24/2008	Category 6 – Trench Locations	JP-SC6-009	SAIC01	3; p31-33	10/24/2008	NR	NR	127	0' to 0.5'	61	0940	13				
10/24/2008	Category 6 – Trench Locations	JP-SC6-009	SAIC02	3; p31-33	10/24/2008	NR	NR	127	0.5' to 1'	77	0942	13				
10/24/2008	Category 6 – Trench Locations	JP-SC6-009	SAIC03	3; p31-33	10/24/2008	NR	NR	127	1' to 2'	79	0950	13				
10/24/2008	Category 6 – Trench Locations	JP-SC6-009	SAIC04	3; p31-33	10/24/2008	NR	NR	127	2' to 4'	58	0953	13				
10/24/2008	Category 6 – Trench Locations	JP-SC6-009	SAIC05	3; p31-33	10/24/2008	NR	NR	127	4' to 6'	64	0956	13				
10/24/2008	Category 6 – Trench Locations	JP-SC6-010	SAIC01	3; p36-38	10/24/2008	NR	NR	85	0' to 0.5'	52	1244	12				
10/24/2008	Category 6 – Trench Locations	JP-SC6-010	SAIC02	3; p36-38	10/24/2008	NR	NR	85	0.5' to 1'	61	1246	12				
10/24/2008	Category 6 – Trench Locations	JP-SC6-010	SAIC03	3; p36-38	10/24/2008	NR	NR	85	1' to 2'	53	1247	12				
10/24/2008	Category 6 – Trench Locations	JP-SC6-010	SAIC04	3; p36-38	10/24/2008	NR	NR	85	2' to 4'	69	1253	12				
10/24/2008	Category 6 – Trench Locations	JP-SC6-010	SAIC05	3; p36-38	10/24/2008	NR	NR	85	4' to 6'	79	1256	12				
10/25/2008	Category 6 – Trench Locations	JP-SC6-011	SAIC01	3; p49-51	10/25/2008	NR	NR	53	0' to 0.5'	71	1442	10				
10/25/2008	Category 6 – Trench Locations	JP-SC6-011	SAIC02	3; p49-51	10/25/2008	NR	NR	53	0.5' to 1'	69	1447	10				
10/25/2008	Category 6 – Trench Locations	JP-SC6-011	SAIC03	3; p49-51	10/25/2008	NR	NR	53	1' to 2'	51	1453	10				
10/25/2008	Category 6 – Trench Locations	JP-SC6-011	SAIC04	3; p49-51	10/25/2008	NR	NR	53	2' to 4'	53	1458	10				
10/25/2008	Category 6 – Trench Locations	JP-SC6-011	SAIC05	3; p49-51	10/25/2008	NR	NR	53	4' to 6'	54	1500	10				
10/24/2008	Category 6 – Trench Locations	JP-SC6-012	SAIC01	3; p39-40	10/24/2008	NR	NR	93	0' to 0.5'	51	1300	12	Bedrock refusal at 3.5' BGS, thus, no soil sample from 4-6' BGS interval.			
10/24/2008	Category 6 – Trench Locations	JP-SC6-012	SAIC02	3; p39-40	10/24/2008	NR	NR	93	0.5' to 1'	68	1303	12				
10/24/2008	Category 6 – Trench Locations	JP-SC6-012	SAIC03	3; p39-40	10/24/2008	NR	NR	93	1' to 2'	88	1305	12				
10/24/2008	Category 6 – Trench Locations	JP-SC6-012	SAIC04	3; p39-40	10/24/2008	NR	NR	93	2' to 4'	70	1311	12				
10/24/2008	Category 6 – Trench Locations	JP-SC6-012	SAIC05	3; p39-40	10/24/2008	NR	NR	93	4' to 6'	NA	NA	NA				
10/27/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-001	SAIC01	4; p16-18	10/27/2008	4303939.34	637645.69	59	0' to 0.5'	18,228	1143	70uR (waist high-general area) / 850uR (contact point)		JP-PAC-001	JP-KAC-001	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-001	SAIC02	4; p16-18	10/27/2008	4303939.34	637645.69	59	0.5' to 1'	5,125	1156	70uR (waist high-general area) / 850uR (contact point)		JP-PAC-001	JP-KAC-001	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-001	SAIC03	4; p16-18	10/27/2008	4303939.34	637645.69	59	1' to 2'	329	1202	70uR (waist high-general area) / 850uR (contact point)		JP-PAC-001	JP-KAC-001	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-001	SAIC04	4; p16-18	10/27/2008	4303939.34	637645.69	59	2' to 4'	334	1210	70uR (waist high-general area) / 850uR (contact point)		JP-PAC-001	JP-KAC-001	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-002	SAIC01	4; p18-20	10/27/2008	4303930.07	637648.64	94	0' to 0.5'	8,988	1239	60uR (waist high-general area) / 600uR (contact point)		JP-PAC-002	JP-KAC-002	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-002	SAIC02	4; p18-20	10/27/2008	4303930.07	637648.64	94	0.5' to 1'	1,674	1249	60uR (waist high-general area) / 600uR (contact point)		JP-PAC-002	JP-KAC-002	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-002	SAIC03	4; p18-20	10/27/2008	4303930.07	637648.64	94	1' to 2'	171	1301	60uR (waist high-general area) / 600uR (contact point)		JP-PAC-002	JP-KAC-002	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-002	SAIC04	4; p18-20	10/27/2008	4303930.07	637648.64	94	2' to 4'	141	1309	60uR (waist high-general area) / 600uR (contact point)		JP-PAC-002	JP-KAC-002	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-003	SAIC01	4; p23-24	10/27/2008	4303995.44	637644.76	85	0' to 0.5'	14,854	1714	60uR (waist high-general area) / 700uR (contact point)		JP-PAC-003	JP-KAC-003	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-003	SAIC02	4; p23-24	10/27/2008	4303995.44	637644.76	85	0.5' to 1'	2,183	1721	60uR (waist high-general area) / 700uR (contact point)		JP-PAC-003	JP-KAC-003	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-003	SAIC03	4; p23-24	10/27/2008	4303995.44	637644.76	85	1' to 2'	359	1728	60uR (waist high-general area) / 700uR (contact point)		JP-PAC-003	JP-KAC-003	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-003	SAIC04	4; p23-24	10/27/2008	4303995.44	637644.76	85	2' to 4'	119	1733	60uR (waist high-general area) / 700uR (contact point)		JP-PAC-003	JP-KAC-003	
10/28/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-004	SAIC01	4; p27-29	10/28/2008	4304002.36	637631.17	43	0' to 0.5'	10,424	1028	65uR (waist high-general area) / 900uR (contact point)		JP-PAC-004	JP-KAC-004	
10/28/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-004	SAIC02	4; p27-29	10/28/2008	4304002.36	637631.17	43	0.5' to 1'	1,799	1032	65uR (waist high-general area) / 900uR (contact point)		JP-PAC-004	JP-KAC-004	
10/28/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-004	SAIC03	4; p27-29	10/28/2008	4304002.36	637631.17	43	1' to 2'	235	1037	65uR (waist high-general area) / 900uR (contact point)		JP-PAC-004	JP-KAC-004	
10/28/2008	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-004	SAIC04	4; p27-29	10/28/2008	4304002.36	637631.17	43	2' to 4'	175	1044	65uR (waist high-general area) / 900uR (contact point)		JP-PAC-004	JP-KAC-004	

Summary of Soil Sampling Field Records

COC Listing Date	Soil Type Grouping	Site ID	Field Sample Number	Logbook Reference	Logbook Date	Northing	Easting	BK (cpm)	Depth	Count	Collection Time	Dose Rate	Comments	Penetrator ID	Kd Study Soil Bags ID	Leachability Soil Bags ID
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-005	SAIC01	4: p34-36	10/28/2008	4304221.02	637628.76	78	0' to 0.5'	646	1519	100uR (at 18 inches from location) / 40uR (at 3 feet from location) / 1mR (contact point)		JP-PAC-005	JP-KAC-005	
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-005	SAIC02	4: p34-36	10/28/2008	4304221.02	637628.76	78	0.5' to 1'	387	1524	100uR (at 18 inches from location) / 40uR (at 3 feet from location) / 1mR (contact point)		JP-PAC-005	JP-KAC-005	
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-005	SAIC03	4: p34-36	10/28/2008	4304221.02	637628.76	78	1' to 2'	99	1533	100uR (at 18 inches from location) / 40uR (at 3 feet from location) / 1mR (contact point)		JP-PAC-005	JP-KAC-005	
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-005	SAIC04	4: p34-36	10/28/2008	4304221.02	637628.76	78	2' to 4'	62	1539	100uR (at 18 inches from location) / 40uR (at 3 feet from location) / 1mR (contact point)		JP-PAC-005	JP-KAC-005	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-006	SAIC05	4: p20-22	10/27/2008	4303865.54	637641.32	66	0' to 0.15'	15,098	1546	70uR (waist high-general area) / 600uR (contact point)	Penetrator at 2" BLS	JP-PAC-006		
10/27/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-006	SAIC01	4: p20-22	10/27/2008	4303865.54	637641.32	66	0.15' to 0.5'	7,431	1554	70uR (waist high-general area) / 600uR (contact point)		JP-PAC-006	JP-KAC-006	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-006	SAIC02	4: p20-22	10/27/2008	4303865.54	637641.32	66	0.5' to 1'	856	1602	70uR (waist high-general area) / 600uR (contact point)		JP-PAC-006	JP-KAC-006	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-006	SAIC03	4: p20-22	10/27/2008	4303865.54	637641.32	66	1' to 2'	144	1609	70uR (waist high-general area) / 600uR (contact point)		JP-PAC-006	JP-KAC-006	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-006	SAIC04	4: p20-22	10/27/2008	4303865.54	637641.32	66	2' to 4'	122	1615	70uR (waist high-general area) / 600uR (contact point)		JP-PAC-006	JP-KAC-006	
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-007	SAIC05	4: p25-27	10/28/2008	4304012.87	637630.77	80	0' to 0.35'	3,775	0902	60uR (waist high-general area) / 800uR (contact point)	Penetrator at 0.35' BLS	JP-PAC-007		
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-007	SAIC01	4: p25-27	10/28/2008	4304012.87	637630.77	80	0.35' to 0.5'	22,986	0913	60uR (waist high-general area) / 800uR (contact point)		JP-PAC-007	JP-KAC-007	
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-007	SAIC02	4: p25-27	10/28/2008	4304012.87	637630.77	80	0.5' to 1'	1,390	0922	60uR (waist high-general area) / 800uR (contact point)		JP-PAC-007	JP-KAC-007	
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-007	SAIC03	4: p25-27	10/28/2008	4304012.87	637630.77	80	1' to 2'	200	0926	60uR (waist high-general area) / 800uR (contact point)		JP-PAC-007	JP-KAC-007	
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-007	SAIC04	4: p25-27	10/28/2008	4304012.87	637630.77	80	2' to 4'	99	0933	60uR (waist high-general area) / 800uR (contact point)		JP-PAC-007	JP-KAC-007	
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-008	SAIC05	4: p32-34	10/28/2008	4304197.96	637640.18	156	0' to 0.25'	9,433	1421	100uR (at 18 inches from location) / 25uR (at 3 feet from location) / 800uR (contact point)	Penetrator at 0.25' BLS	JP-PAC-008		
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-008	SAIC01	4: p32-34	10/28/2008	4304197.96	637640.18	156	0.25' to 0.5'	6,064	1429	100uR (at 18 inches from location) / 25uR (at 3 feet from location) / 800uR (contact point)		JP-PAC-008	JP-KAC-008	
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-008	SAIC02	4: p32-34	10/28/2008	4304197.96	637640.18	156	0.5' to 1'	1,197	1436	100uR (at 18 inches from location) / 25uR (at 3 feet from location) / 800uR (contact point)		JP-PAC-008	JP-KAC-008	
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-008	SAIC03	4: p32-34	10/28/2008	4304197.96	637640.18	156	1' to 2'	88	1441	100uR (at 18 inches from location) / 25uR (at 3 feet from location) / 800uR (contact point)		JP-PAC-008	JP-KAC-008	
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-008	SAIC04	4: p32-34	10/28/2008	4304197.96	637640.18	156	2' to 4'	74	1445	100uR (at 18 inches from location) / 25uR (at 3 feet from location) / 800uR (contact point)		JP-PAC-008	JP-KAC-008	
10/27/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-009	SAIC05	4: p14-16	10/27/2008	4303956.89	637647.69	62	0' to 0.3'	5,366	1009	50uR (waist high) / 450uR (contact point)	Total depth = 2.0' BLS; total depth at other end of penetrator = 4.5' BLS (bottom sample from 2.5 to 4.5')	JP-PAC-009		
10/27/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-009	SAIC01	4: p14-16	10/27/2008	4303956.89	637647.69	62	0.5' to 1'	1,713	1020	50uR (waist high) / 450uR (contact point)		JP-PAC-009		
10/27/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-009	SAIC02	4: p14-16	10/27/2008	4303956.89	637647.69	62	1' to 1.5'	144	1028	50uR (waist high) / 450uR (contact point)		JP-PAC-009		
10/27/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-009	SAIC03	4: p14-16	10/27/2008	4303956.89	637647.69	62	1.5' to 2.5'	132	1040	50uR (waist high) / 450uR (contact point)		JP-PAC-009		
10/27/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-009	SAIC04	4: p14-16	10/27/2008	4303956.89	637647.69	62	2.5' to 4.5'	162	1051	50uR (waist high) / 450uR (contact point)		JP-PAC-009		
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-010	SAIC05	4: p29-31	10/28/2008	4303986.14	637668.96	64	0' to 0.15'	2,938	1142	188uR (at 18 inches from location) / 35uR (at 3 feet from location) / 1.2mR (contact point)	Penetrator at 1.5" BLS	JP-PAC-010		
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-010	SAIC01	4: p29-31	10/28/2008	4303986.14	637668.96	64	0.15' to 0.5'	2,715	1150	188uR (at 18 inches from location) / 35uR (at 3 feet from location) / 1.2mR (contact point)		JP-PAC-010		
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-010	SAIC02	4: p29-31	10/28/2008	4303986.14	637668.96	64	0.5' to 1'	196	1154	188uR (at 18 inches from location) / 35uR (at 3 feet from location) / 1.2mR (contact point)		JP-PAC-010		
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-010	SAIC03	4: p29-31	10/28/2008	4303986.14	637668.96	64	1' to 2'	323	1159	188uR (at 18 inches from location) / 35uR (at 3 feet from location) / 1.2mR (contact point)		JP-PAC-010		
10/28/2008	Soil Under Penetrators – Avonburg and Cobbfork	JP-PNAC-010	SAIC04	4: p29-31	10/28/2008	4303986.14	637668.96	64	2' to 4'	124	1204	188uR (at 18 inches from location) / 35uR (at 3 feet from location) / 1.2mR (contact point)		JP-PAC-010		

Summary of Soil Sampling Field Records

COC Listing Date	Soil Type Grouping	Site ID	Field Sample Number	Logbook Reference	Logbook Date	Northing	Easting	BK (cpm)	Depth	Count	Collection Time	Dose Rate	Comments	Penetrator ID	Kd Study Soil Bags ID	Leachability Soil Bags ID
10/26/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-001	SAIC01	3, p51-53	10/26/2008	4305351.53	638136.06	55	0' to 0.5'	88,873	1212	42			JP-KCR-001	
10/26/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-001	SAIC02	3, p51-53	10/26/2008	4305351.53	638136.06	55	0.5' to 1'	3,956	1247	42			JP-KCR-001	
10/26/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-001	SAIC03	3, p51-53	10/26/2008	4305351.53	638136.06	55	1' to 2'	2,409	1303	42			JP-KCR-001	
10/26/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-001	SAIC04	3, p51-53	10/26/2008	4305351.53	638136.06	55	2' to 4'	312	1325	42			JP-KCR-001	
10/27/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-002	SAIC01	3, 55-57	10/27/2008	4305120.94	637661.30	172	0' to 0.5'	41,385	0940	22	Bedrock refusal at 2.5' BGS.		JP-KCR-002	
10/27/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-002	SAIC02	3, 55-57	10/27/2008	4305120.94	637661.30	172	0.5' to 1'	4,674	1001	22			JP-KCR-002	
10/27/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-002	SAIC03	3, 55-57	10/27/2008	4305120.94	637661.30	172	1' to 2'	192	1013	22			JP-KCR-002	
10/27/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-002	SAIC04	3, 55-57	10/27/2008	4305120.94	637661.30	172	2' to 2.5'	312	1025	22			JP-KCR-002	
													Bedrock refusal at 1.75' BGS, thus, no soil sample from 2-4' BGS interval.		JP-KCR-003	
10/27/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-003	SAIC01	3, p57-58	10/27/2008	4305093.81	637653.25	44	0' to 0.5'	29,381	1154	22			JP-KCR-003	
10/27/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-003	SAIC02	3, p57-58	10/27/2008	4305093.81	637653.25	44	0.5' to 1'	4,950	1157	22			JP-KCR-003	
10/27/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-003	SAIC03	3, p57-58	10/27/2008	4305093.81	637653.25	44	1' to 2'	756	1208	22			JP-KCR-003	
													Bedrock refusal at 1.5' BGS, thus, no soil sample from 2-4' BGS interval.		JP-KCR-004	
10/27/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-004	SAIC01	3, 64-66	10/27/2008	4305125.41	637644.98	68	0' to 0.5'	13,766	1554	32			JP-KCR-004	
10/27/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-004	SAIC02	3, 64-66	10/27/2008	4305125.41	637644.98	68	0.5' to 1'	1,499	1615	32			JP-KCR-004	
10/27/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-004	SAIC03	3, 64-66	10/27/2008	4305125.41	637644.98	68	1' to 2'	1,396	1625	32			JP-KCR-004	
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-005	SAIC01	3, p67-68	10/28/2008	4305104.64	637716.22	98	0' to 0.5'	7,623	1135	41	Bedrock refusal at 2'		JP-KCR-005	
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-005	SAIC02	3, p67-68	10/28/2008	4305104.64	637716.22	98	0.5' to 1'	537	1140	41			JP-KCR-005	
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-005	SAIC03	3, p67-68	10/28/2008	4305104.64	637716.22	98	1' to 2'	130	1150	41			JP-KCR-005	
10/27/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-006	SAIC01	3, p59-61	10/27/2008	4305095.22	637654.33	68	0' to 0.125'	25,801	1335	24			JP-KCR-006	
10/27/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-006	SAIC02	3, p59-61	10/27/2008	4305095.22	637654.33	68	0.125' to 0.625'	18,448	1349	24			JP-KCR-006	
10/27/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-006	SAIC03	3, p59-61	10/27/2008	4305095.22	637654.33	68	0.625' to 1.125'	1,949	1407	24			JP-KCR-006	
10/27/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-006	SAIC04	3, p59-61	10/27/2008	4305095.22	637654.33	68	1.125' to 2.125'	1,480	1410	24			JP-KCR-006	
10/27/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-006	SAIC05	3, p59-61	10/27/2008	4305095.22	637654.33	68	2.125' to 4.125'	860	1420	24			JP-KCR-006	
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-007	SAIC01	3, p66-67	10/28/2008	4305103.08	637661.74	69	0' to 0.25'	3,217	0906	18	Bedrock refusal at 1'		JP-KCR-007	
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-007	SAIC02	3, p66-67	10/28/2008	4305103.08	637661.74	69	0.25' to 0.75'	11,523	0917	18			JP-KCR-007	
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-007	SAIC03	3, p66-67	10/28/2008	4305103.08	637661.74	69	0.75' to 1.0'	504	0932	18			JP-KCR-007	
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-008	SAIC01	3, p62-63	10/28/2008	4305102.99	637691.65	65	0' to 0.25'	14,574	1015	36	Bedrock refusal at 1.75'		JP-KCR-008	
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-008	SAIC02	3, p62-63	10/28/2008	4305102.99	637691.65	65	0.25' to 0.75'	7,006	1025	36			JP-KCR-008	
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-008	SAIC03	3, p62-63	10/28/2008	4305102.99	637691.65	65	0.75' to 1.25'	687	1036	36			JP-KCR-008	
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-008	SAIC04	3, p62-63	10/28/2008	4305102.99	637691.65	65	1.25' to 2.25'	189	1043	36			JP-KCR-008	
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-009	SAIC01	3, p69-70	10/28/2008	4305114.71	637564.86	75	0' to 0.5'	23,744	1430	32	Bedrock refusal at 1.25'			
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-009	SAIC02	3, p69-70	10/28/2008	4305114.71	637564.86	75	0.5' to 1'	1,198	1439	32				
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-009	SAIC03	3, p69-70	10/28/2008	4305114.71	637564.86	75	1' to 1.25'	2,611	1444	32				
													Bedrock refusal at 2.8' BGS.			
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-010	SAIC01	3, p69-71	10/28/2008	4305079.95	637644.26	74	0' to 0.5'	6,992	1522	40				
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-010	SAIC02	3, p69-71	10/28/2008	4305079.95	637644.26	74	0.5' to 1'	623	1526	40				
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-010	SAIC03	3, p69-71	10/28/2008	4305079.95	637644.26	74	1' to 2'	1,524	1532	40				
10/28/2008	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-010	SAIC04	3, p69-71	10/28/2008	4305079.95	637644.26	74	2' to 2.8'	607	1537	40				
10/26/2008	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-001	SAIC01	4, p8-10	10/26/2008	4305256.36	637603.36	39 (7 ft from location)	0' to 0.5'	3,604	1200		12uR (waist high) / 1.25mR (contact point)	Bedrock refusal at 2.5' BGS.	JP-PGR-001	JP-KGR-001
10/26/2008	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-001	SAIC02	4, p8-10	10/26/2008	4305256.36	637603.36	39 (7 ft from location)	0.5' to 1'	209	1231		12uR (waist high) / 1.25mR (contact point)		JP-PGR-001	JP-KGR-001
10/26/2008	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-001	SAIC03	4, p8-10	10/26/2008	4305256.36	637603.36	39 (7 ft from location)	1' to 2'	92	1247		12uR (waist high) / 1.25mR (contact point)		JP-PGR-001	JP-KGR-001
10/26/2008	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-001	SAIC04	4, p8-10	10/26/2008	4305256.36	637603.36	39 (7 ft from location)	2' to 2.5'	87	1303		12uR (waist high) / 1.25mR (contact point)		JP-PGR-001	JP-KGR-001
													50uR (general area-waist high) / 600uR (contact point)	Bedrock refusal at 2' BGS, thus, no soil sample from 2-4' BGS interval.	JP-PGR-002	JP-KGR-002
10/26/2008	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-002	SAIC01	4, p10-11	10/26/2008	4305150.91	637533.42	61	0' to 0.5'	7,013	1507		50uR (general area) / 600uR (contact point)		JP-PGR-002	JP-KGR-002
10/26/2008	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-002	SAIC02	4, p10-11	10/26/2008	4305150.91	637533.42	61	0.5' to 1'	352	1526		50uR (general area) / 600uR (contact point)		JP-PGR-002	JP-KGR-002
10/26/2008	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-002	SAIC03	4, p10-11	10/26/2008	4305150.91	637533.42	61	1' to 2'	124	1544		50uR (general area) / 600uR (contact point)		JP-PGR-002	JP-KGR-002
10/26/2008	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-003	SAIC01	3, p53-55	10/26/2008	4305198.59	637655.04	57	0' to 0.5'	4,803	1612	20	Bedrock refusal at 2.5' BGS.			
10/26/2008	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-003	SAIC02	3, p53-55	10/26/2008	4305198.59	637655.04	57	0.5' to 1'	444	1625	20				
10/26/2008	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-003	SAIC03	3, p53-55	10/26/2008	4305198.59	637655.04	57	1' to 2'	868	1635	20				
10/26/2008	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-003	SAIC04	3, p53-55	10/26/2008	4305198.59	637655.04	57	2' to 2.5'	426	1647	20				
10/26/2008	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-004	SAIC04	4, p12-13	10/26/2008	4305398.54	637713.13	50	0' to 0.5'	9,730	1643		30uR (general area-waist high) / 1mR (contact point)	Bedrock refusal at 2.5' BGS.	JP-PGR-004	
10/26/2008	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-004	SAIC01	4, p12-13	10/26/2008	4305398.54	637713.13	50	0.5' to 1'	4,497	1652		30uR (general area-waist high) / 1mR (contact point)		JP-PGR-004	
10/26/2008	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-004	SAIC02	4, p12-13	10/26/2008	4305398.54	637713.13	50	1' to 1.5'	2,184	1657		30uR (general area-waist high) / 1mR (contact point)		JP-PGR-004	
10/26/2008	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-004	SAIC03	4, p12-13	10/26/2008	4305398.54	637713.13	50	1.5' to 2.5'	1,325	1715		30uR (general area-waist high) / 1mR (contact point)		JP-PGR-004	
03/29/2012	Background – Avonburg and Cobbsfork	JP-SAC-001	SAIC05						0' to 4'							
03/29/2012	Background – Avonburg and Cobbsfork	JP-SAC-002	SAIC05						0' to 4'							
03/27/2012	Background – Avonburg and Cobbsfork	JP-SAC-003	SAIC05						0' to 4'							
03/29/2012	Background – Avonburg and Cobbsfork	JP-SAC-004	SAIC05						0' to 4'							
03/28/2012	Background – Avonburg and Cobbsfork	JP-SAC-005	SAIC05						0' to 4'							
03/28/2012	Background – Avonburg and Cobbsfork	JP-SAC-005	SAIC05D						0' to 4'							
03/27/2012	Background – Avonburg and Cobbsfork	JP-SAC-006	SAIC05						0' to 4'							
03/27/2012	Background – Avonburg and Cobbsfork	JP-SAC-007	SAIC05						0' to 4'							
03/27/2012	Background – Avonburg and Cobbsfork	JP-SAC-008	SAIC05						0' to 4'							
03/27/2012	Background – Avonburg and Cobbsfork	JP-SAC-009	SAIC05						0' to 4'							
03/29/2012	Background – Cincinnati and Rossmoyne	JP-SCR-001	SAIC05						0' to 3.3'							
03/29/2012	Background – Cincinnati and Rossmoyne	JP-SCR-002	SAIC05						0' to 3'							
03/29/2012	Background – Cincinnati and Rossmoyne	JP-SCR-003	SAIC05						0' to 4'							
03/28/2012	Background – Cincinnati and Rossmoyne	JP-SCR-004	SAIC05						0' to 4'							
03/29/2012	Background – Cincinnati and Rossmoyne	JP-SCR-005	SAIC05						0' to 4'							
03/28/2012	Background – Cincinnati and Rossmoyne	JP-SCR-006	SAIC05						0' to 4'							

Summary of Soil Sampling Field Records

COC Listing Date	Soil Type Grouping	Site ID	Field Sample Number	Logbook Reference	Logbook Date	Northing	Easting	BK (cpm)	Depth	Count	Collection Time	Dose Rate	Comments	Penetrator ID	Kd Study Soil Bags ID	Leachability Soil Bags ID
03/28/2012	Background – Cincinnati and Rossmoyne	JP-SCR-007	SAIC05						0' to 4'							
03/28/2012	Background – Cincinnati and Rossmoyne	JP-SCR-008	SAIC05						0' to 4'							
03/28/2012	Background – Cincinnati and Rossmoyne	JP-SCR-008	SAIC05D						0' to 4'							
03/28/2012	Background – Cincinnati and Rossmoyne	JP-SCR-009	SAIC05						0' to 4'							
03/30/2012	Background – Grayford and Ryker	JP-SGR-001	SAIC05						0' to 4'							
03/30/2012	Background – Grayford and Ryker	JP-SGR-002	SAIC05						0' to 4'							
03/29/2012	Background – Grayford and Ryker	JP-SGR-003	SAIC05						0' to 2'							
03/30/2012	Soil Under Penetrators – Avonburg and Cobbsfork	JP-PNAC-001	SAIC05						0' to 4'							
03/30/2012	Soil Under Penetrators – Cincinnati and Rossmoyne	JP-PNCR-001	SAIC05						0' to 4'							
03/30/2012	Soil Under Penetrators – Grayford and Ryker	JP-PNGR-001	SAIC05						0' to 4'							

NA = Not applicable

NR = Not recorded in soil logbook

NC = Data not collected (see notes for possible explanation)

E = Extraneous data (i.e., data not required but was captured nonetheless)

Total and Isotopic Uranium Results for Soil and Sediment Samples

Total and Isotopic Uranium Results for GCL and Sediment Samples											
Field Sample		Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)					DU Presence	
Sample ID	Number				U-234	U-235	U-238	Total Uranium	U-238/U-234 Ratio	Weight Percent U-235	
Background – Avonsburg and Cobbsfork											
JP-SAC-001	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.72 +/- 0.18		0.040 +/- 0.027	J	0.69 +/- 0.17	1.5 +/- 0.33	0.95 +/- 0.33
JP-SAC-001	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.79 +/- 0.20	J	0.046 +/- 0.030	J	0.70 +/- 0.18	1.5 +/- 0.35	0.89 +/- 0.32
JP-SAC-001	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.80 +/- 0.20		0.048 +/- 0.030	J	0.85 +/- 0.21	1.7 +/- 0.38	1.1 +/- 0.37
JP-SAC-001	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.71 +/- 0.18		0.046 +/- 0.029	J	0.77 +/- 0.19	1.5 +/- 0.34	1.1 +/- 0.38
JP-SAC-001	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0066	U	0.0052	J	0.77	0.77	ND
JP-SAC-002	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.63 +/- 0.16		0.027 +/- 0.022	J	0.67 +/- 0.17	1.3 +/- 0.30	1.1 +/- 0.38
JP-SAC-002	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.69 +/- 0.17		0.036 +/- 0.025	J	0.74 +/- 0.18	1.5 +/- 0.33	1.1 +/- 0.37
JP-SAC-002	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.81 +/- 0.20		0.032 +/- 0.025	J	0.74 +/- 0.19	1.6 +/- 0.36	0.91 +/- 0.32
JP-SAC-002	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.61 +/- 0.16		0.045 +/- 0.028	J	0.64 +/- 0.16	1.3 +/- 0.29	1.0 +/- 0.37
JP-SAC-002	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0067	U	0.0028	J	0.42	0.43	ND
JP-SAC-003	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.73 +/- 0.18		0.042 +/- 0.028	J	0.73 +/- 0.18	1.5 +/- 0.34	1.00 +/- 0.35
JP-SAC-003	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.72 +/- 0.18		0.048 +/- 0.031	J	0.71 +/- 0.18	1.5 +/- 0.34	1.00 +/- 0.36
JP-SAC-003	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.73 +/- 0.18		0.0080 +/- 0.011	U	0.72 +/- 0.18	1.5 +/- 0.33	0.98 +/- 0.35
JP-SAC-003	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.67 +/- 0.17		0.029 +/- 0.024	J	0.68 +/- 0.18	1.4 +/- 0.32	1.0 +/- 0.37
JP-SAC-003	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0062	U	0.0037	J	0.50	0.51	ND
JP-SAC-004	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.62 +/- 0.16		0.024 +/- 0.021	J	0.65 +/- 0.17	1.3 +/- 0.30	1.0 +/- 0.37
JP-SAC-004	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.65 +/- 0.17		0.036 +/- 0.026	J	0.68 +/- 0.17	1.4 +/- 0.31	1.0 +/- 0.37
JP-SAC-004	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.58 +/- 0.15	J	0.024 +/- 0.021	J	0.64 +/- 0.16	1.3 +/- 0.29	1.1 +/- 0.40
JP-SAC-004	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.70 +/- 0.18		0.025 +/- 0.020	J	0.64 +/- 0.16	1.4 +/- 0.31	0.91 +/- 0.32
JP-SAC-004	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0060	U	0.0042	J	0.55	0.55	ND
JP-SAC-005	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.86 +/- 0.21		0.060 +/- 0.037	J	0.86 +/- 0.21	1.8 +/- 0.40	1.0 +/- 0.35
JP-SAC-005	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.74 +/- 0.19		0.041 +/- 0.028	J	0.81 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.38
JP-SAC-005	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.84 +/- 0.21		0.027 +/- 0.022	J	0.90 +/- 0.22	1.8 +/- 0.40	1.1 +/- 0.37
JP-SAC-005	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.65 +/- 0.16		0.048 +/- 0.030	J	0.74 +/- 0.18	1.4 +/- 0.32	1.1 +/- 0.40
JP-SAC-005	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0063	U	0.0048	BN	0.67	0.68	ND
JP-SAC-005	SAIC05D	0' to 4'	ICP-MS	mg/kg	0.0063	U	0.0057	BN	0.79	0.79	ND
JP-SAC-005	SAIC05C	0' to 4'	ICP-MS	mg/kg	0.0063	U	0.0053	BN	0.73	0.74	ND
JP-SAC-006	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.69 +/- 0.18		0.036 +/- 0.026	J	0.69 +/- 0.18	1.4 +/- 0.32	1.0 +/- 0.36
JP-SAC-006	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.78 +/- 0.19		0.048 +/- 0.032	J	0.81 +/- 0.20	1.6 +/- 0.37	1.0 +/- 0.36
JP-SAC-006	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.71 +/- 0.18		0.028 +/- 0.023	J	0.83 +/- 0.20	1.6 +/- 0.35	1.2 +/- 0.41
JP-SAC-006	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.84 +/- 0.21		0.039 +/- 0.028	J	0.76 +/- 0.19	1.6 +/- 0.37	0.90 +/- 0.32
JP-SAC-006	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0063	U	0.0036	J	0.52	0.52	ND
JP-SAC-007	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.56 +/- 0.15		0.023 +/- 0.020	J	0.77 +/- 0.19	1.4 +/- 0.31	1.4 +/- 0.50
JP-SAC-007	SAIC01D	0' to 0.5'	Alpha Spec.	pCi/g	0.61 +/- 0.15		0.014 +/- 0.014	J	0.65 +/- 0.16	1.3 +/- 0.29	1.1 +/- 0.38
JP-SAC-007	SAIC01C	0' to 0.5'	Alpha Spec.	pCi/g	0.58 +/- 0.11		0.017 +/- 0.011	J	0.70 +/- 0.12	1.3 +/- 0.21	1.2 +/- 0.30
JP-SAC-007	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.67 +/- 0.17		0.033 +/- 0.025	J	0.79 +/- 0.20	1.5 +/- 0.34	1.2 +/- 0.43
JP-SAC-007	SAIC02D	0.5' to 1'	Alpha Spec.	pCi/g	0.65 +/- 0.17		0.027 +/- 0.022	J	0.73 +/- 0.18	1.4 +/- 0.32	1.1 +/- 0.40
JP-SAC-007	SAIC02C	0.5' to 1'	Alpha Spec.	pCi/g	0.66 +/- 0.12		0.030 +/- 0.016	J	0.76 +/- 0.13	1.4 +/- 0.23	1.1 +/- 0.29
JP-SAC-007	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.70 +/- 0.18		0.030 +/- 0.024	J	0.87 +/- 0.22	1.6 +/- 0.36	1.2 +/- 0.45
JP-SAC-007	SAIC03D	1' to 2'	Alpha Spec.	pCi/g	0.73 +/- 0.18		0.037 +/- 0.026	J	0.83 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.40
JP-SAC-007	SAIC03C	1' to 2'	Alpha Spec.	pCi/g	0.71 +/- 0.13		0.033 +/- 0.018	J	0.85 +/- 0.15	1.6 +/- 0.26	1.2 +/- 0.30
JP-SAC-007	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.81 +/- 0.20		0.039 +/- 0.027	J	0.79 +/- 0.20	1.6 +/- 0.37	0.98 +/- 0.35
JP-SAC-007	SAIC04D	2' to 4'	Alpha Spec.	pCi/g	0.78 +/- 0.19		0.025 +/- 0.021	J	0.84 +/- 0.21	1.6 +/- 0.37	1.1 +/- 0.38
JP-SAC-007	SAIC04C	2' to 4'	Alpha Spec.	pCi/g	0.79 +/- 0.14		0.030 +/- 0.017	J	0.82 +/- 0.14	1.6 +/- 0.26	1.0 +/- 0.26
JP-SAC-007	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0066	U	0.0040	J	0.53	0.54	ND
JP-SAC-008	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.73 +/- 0.19		0.054 +/- 0.035	J	0.81 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.40
JP-SAC-008	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.71 +/- 0.18		0.034 +/- 0.026	J	0.75 +/- 0.19	1.5 +/- 0.34	1.0 +/- 0.38
JP-SAC-008	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.77 +/- 0.19		0.014 +/- 0.017	U	0.93 +/- 0.23	1.7 +/- 0.39	1.2 +/- 0.42
JP-SAC-008	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.90 +/- 0.22		0.060 +/- 0.036	J	0.88 +/- 0.21	1.8 +/- 0.41	0.97 +/- 0.34
JP-SAC-008	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0065	U	0.0066		0.85	0.85	ND
JP-SAC-009	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.74 +/- 0.18		0.021 +/- 0.018	J	0.79 +/- 0.19	1.6 +/- 0.35	1.1 +/- 0.37
JP-SAC-009	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.66 +/- 0.17		0.045 +/- 0.029	J	0.82 +/- 0.20	1.5 +/- 0.34	1.2 +/- 0.44
JP-SAC-009	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.72 +/- 0.18		0.041 +/- 0.029	J	0.81 +/- 0.20	1.6 +/- 0.35	1.1 +/- 0.40

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)					DU Presence	
					U-234	U-235	U-238	Total Uranium		U-238/U-234 Ratio	Weight Percent U-235
JP-SAC-009	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.97 +/- 0.24	0.044 +/- 0.030	J	0.83 +/- 0.20	1.8 +/- 0.41		0.85 +/- 0.29
JP-SAC-009	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0061	U	0.0050	J	0.70	0.70	ND
Background – Cincinnati and Rossmoyne											
JP-SCR-001	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.035 +/- 0.026	J	0.77 +/- 0.19	1.6 +/- 0.35		1.0 +/- 0.36
JP-SCR-001	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.75 +/- 0.19	0.034 +/- 0.025	J	0.69 +/- 0.18	1.5 +/- 0.34		0.92 +/- 0.33
JP-SCR-001	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.67 +/- 0.17	0.027 +/- 0.022	J	0.74 +/- 0.19	1.4 +/- 0.33		1.1 +/- 0.40
JP-SCR-001	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.85 +/- 0.21	0.041 +/- 0.030	J	1.0 +/- 0.25	1.9 +/- 0.43		1.2 +/- 0.41
JP-SCR-001	SAIC05	0' to 3.3'	ICP-MS	mg/kg	0.0062	U	0.0079	J	1.1	1.1	ND
JP-SCR-002	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.51 +/- 0.13	0.029 +/- 0.023	J	0.54 +/- 0.14	1.1 +/- 0.25		1.1 +/- 0.40
JP-SCR-002	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.72 +/- 0.18	0.010 +/- 0.012	J	0.75 +/- 0.18	1.5 +/- 0.33		1.0 +/- 0.36
JP-SCR-002	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.87 +/- 0.21	0.068 +/- 0.039	J	1.0 +/- 0.25	2.0 +/- 0.44		1.2 +/- 0.41
JP-SCR-002	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.91 +/- 0.23	0.035 +/- 0.028	J	0.77 +/- 0.20	1.7 +/- 0.39		0.85 +/- 0.31
JP-SCR-002	SAIC05	0' to 3'	ICP-MS	mg/kg	0.0061	U	0.019	J	2.8	2.8	ND
JP-SCR-003	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.81 +/- 0.20	0.025 +/- 0.020	J	0.80 +/- 0.20	1.6 +/- 0.37		0.99 +/- 0.34
JP-SCR-003	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.68 +/- 0.17	0.019 +/- 0.018	J	0.69 +/- 0.18	1.4 +/- 0.32		1.0 +/- 0.36
JP-SCR-003	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.73 +/- 0.19	0.035 +/- 0.027	J	0.66 +/- 0.17	1.4 +/- 0.33		0.91 +/- 0.34
JP-SCR-003	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.48 +/- 0.13	0.019 +/- 0.019	J	0.53 +/- 0.14	1.0 +/- 0.24		1.1 +/- 0.42
JP-SCR-003	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0062	U	0.0031	J	0.44	0.44	ND
JP-SCR-004	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.80 +/- 0.20	0.044 +/- 0.031	J	0.71 +/- 0.18	1.6 +/- 0.35		0.89 +/- 0.32
JP-SCR-004	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.87 +/- 0.21	0.046 +/- 0.030	J	0.96 +/- 0.23	1.9 +/- 0.42		1.1 +/- 0.38
JP-SCR-004	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.97 +/- 0.24	0.052 +/- 0.034	J	0.84 +/- 0.21	1.9 +/- 0.42		0.86 +/- 0.30
JP-SCR-004	SAIC04	2' to 4'	Alpha Spec.	pCi/g	1.1 +/- 0.26	0.034 +/- 0.025	J	1.00 +/- 0.24	2.1 +/- 0.47		0.91 +/- 0.31
JP-SCR-004	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0061	U	0.0055	BN	0.79	0.80	ND
JP-SCR-005	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.78 +/- 0.20	0.041 +/- 0.029	J	0.86 +/- 0.21	1.7 +/- 0.38		1.1 +/- 0.39
JP-SCR-005	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.77 +/- 0.20	0.036 +/- 0.027	J	0.75 +/- 0.19	1.6 +/- 0.35		0.98 +/- 0.35
JP-SCR-005	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.70 +/- 0.17	0.041 +/- 0.028	J	0.74 +/- 0.18	1.5 +/- 0.33		1.1 +/- 0.37
JP-SCR-005	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.93 +/- 0.23	0.034 +/- 0.026	J	0.86 +/- 0.21	1.8 +/- 0.41		0.92 +/- 0.32
JP-SCR-005	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0065	U	0.0070	J	0.98	0.99	ND
JP-SCR-006	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.74 +/- 0.19	0.030 +/- 0.023	J	0.84 +/- 0.21	1.6 +/- 0.36		1.1 +/- 0.40
JP-SCR-006	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.83 +/- 0.20	0.022 +/- 0.019	J	0.84 +/- 0.21	1.7 +/- 0.38		1.0 +/- 0.35
JP-SCR-006	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.82 +/- 0.20	0.052 +/- 0.031	J	0.94 +/- 0.23	J	1.8 +/- 0.40	1.1 +/- 0.39
JP-SCR-006	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.88 +/- 0.21	0.026 +/- 0.020	J	0.88 +/- 0.21	1.8 +/- 0.39		1.00 +/- 0.34
JP-SCR-006	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0062	U	0.0058	BN	0.81	0.82	ND
JP-SCR-007	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.83 +/- 0.20	0.046 +/- 0.030	J	0.93 +/- 0.23	1.8 +/- 0.40		1.1 +/- 0.39
JP-SCR-007	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.93 +/- 0.23	0.039 +/- 0.027	J	0.93 +/- 0.23	1.9 +/- 0.42		1.00 +/- 0.34
JP-SCR-007	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.93 +/- 0.23	0.042 +/- 0.029	J	1.0 +/- 0.25	2.0 +/- 0.45		1.1 +/- 0.38
JP-SCR-007	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.035 +/- 0.026	J	0.83 +/- 0.21	1.6 +/- 0.35		1.2 +/- 0.42
JP-SCR-007	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0068	U	0.0081	N	1.1	1.1	ND
JP-SCR-008	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.70 +/- 0.17	0.051 +/- 0.031	J	0.79 +/- 0.19	1.5 +/- 0.34		1.1 +/- 0.39
JP-SCR-008	SAIC01D	0' to 0.5'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.012 +/- 0.014	U	0.72 +/- 0.18	J	1.4 +/- 0.32	1.0 +/- 0.35
JP-SCR-008	SAIC01C	0' to 0.5'	Alpha Spec.	pCi/g	0.70 +/- 0.12	0.019 +/- 0.013	U	0.75 +/- 0.13	J	1.5 +/- 0.24	1.1 +/- 0.26
JP-SCR-008	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.72 +/- 0.18	0.038 +/- 0.025	J	0.72 +/- 0.18	J	1.5 +/- 0.33	1.0 +/- 0.34
JP-SCR-008	SAIC02D	0.5' to 1'	Alpha Spec.	pCi/g	0.77 +/- 0.19	0.046 +/- 0.030	J	0.82 +/- 0.20		1.6 +/- 0.37	1.1 +/- 0.37
JP-SCR-008	SAIC02C	0.5' to 1'	Alpha Spec.	pCi/g	0.75 +/- 0.13	0.041 +/- 0.019	J	0.76 +/- 0.13		1.6 +/- 0.25	1.0 +/- 0.25
JP-SCR-008	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.81 +/- 0.20	0.029 +/- 0.022	J	0.70 +/- 0.18		1.5 +/- 0.35	0.87 +/- 0.30
JP-SCR-008	SAIC03D	1' to 2'	Alpha Spec.	pCi/g	0.61 +/- 0.16	0.032 +/- 0.024	J	0.75 +/- 0.19		1.4 +/- 0.31	1.2 +/- 0.43
JP-SCR-008	SAIC03C	1' to 2'	Alpha Spec.	pCi/g	0.69 +/- 0.12	0.030 +/- 0.016	J	0.72 +/- 0.13		1.5 +/- 0.23	1.1 +/- 0.26
JP-SCR-008	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.047 +/- 0.030	J	0.75 +/- 0.19		1.5 +/- 0.34	1.1 +/- 0.37
JP-SCR-008	SAIC04D	2' to 4'	Alpha Spec.	pCi/g	0.63 +/- 0.16	0.026 +/- 0.021	J	0.78 +/- 0.19		1.4 +/- 0.33	1.2 +/- 0.44
JP-SCR-008	SAIC04C	2' to 4'	Alpha Spec.	pCi/g	0.66 +/- 0.12	0.033 +/- 0.017	J	0.76 +/- 0.13		1.5 +/- 0.23	1.1 +/- 0.29
JP-SCR-008	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0062	U	0.0066	N	0.88	0.88	ND
JP-SCR-008	SAIC05D	0' to 4'	ICP-MS	mg/kg	0.0062	U	0.0070	N	0.91	0.92	ND
JP-SCR-008	SAIC05C	0' to 4'	ICP-MS	mg/kg	0.0062	U	0.0068	N	0.90	0.90	ND
JP-SCR-009	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.84 +/- 0.21	0.042 +/- 0.029	J	0.91 +/- 0.22	1.8 +/- 0.40		1.1 +/- 0.38

Total and Isotopic Uranium Results for Soil and Sediment Samples

Total and Isotopic Uranium Results for GRI and Sediment Samples											
Field Sample		Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)					DU Presence U-238/U-234 Ratio	
Sample ID	Sample Number				U-234	U-235	U-238	Total Uranium	Weight Percent U-235		
JP-SCR-009	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.84 +/- 0.20		0.030 +/- 0.023 J	1.0 +/- 0.24	1.9 +/- 0.42	1.2 +/- 0.41	
JP-SCR-009	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.96 +/- 0.23		0.055 +/- 0.033 J	1.0 +/- 0.24	2.0 +/- 0.45	1.0 +/- 0.36	
JP-SCR-009	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.93 +/- 0.23		0.038 +/- 0.027 J	0.88 +/- 0.21	1.9 +/- 0.41	0.94 +/- 0.32	
JP-SCR-009	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0065 U		0.0061 BN	0.84	0.84	ND	
Background – Grayford and Ryker											
JP-SGR-001	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.52 +/- 0.14		0.036 +/- 0.026 J	0.60 +/- 0.15	1.2 +/- 0.27	1.2 +/- 0.43	
JP-SGR-001	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.59 +/- 0.15		0.015 +/- 0.016 J	0.68 +/- 0.17	1.3 +/- 0.29	1.2 +/- 0.42	
JP-SGR-001	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.65 +/- 0.17		0.030 +/- 0.025 J	0.74 +/- 0.19	1.4 +/- 0.32	1.1 +/- 0.41	
JP-SGR-001	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.95 +/- 0.23		0.039 +/- 0.027 J	0.90 +/- 0.22	1.9 +/- 0.42	0.95 +/- 0.33	
JP-SGR-001	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0064 U		0.0037 J	0.56 E	0.56	ND	
JP-SGR-002	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.76 +/- 0.19		0.050 +/- 0.031 J	0.75 +/- 0.19	1.6 +/- 0.35	0.99 +/- 0.35	
JP-SGR-002	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	1.1 +/- 0.26		0.047 +/- 0.030 J	1.0 +/- 0.24	2.2 +/- 0.47	0.94 +/- 0.31	
JP-SGR-002	SAIC03	1' to 2'	Alpha Spec.	pCi/g	1.8 +/- 0.42		0.059 +/- 0.035 J	1.9 +/- 0.43	3.8 +/- 0.81	1.0 +/- 0.33	
JP-SGR-002	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0061 U		0.0050 J	0.75 E	0.75	ND	
JP-SGR-003	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.71 +/- 0.17	J	0.029 +/- 0.022 J	0.74 +/- 0.18 J	1.5 +/- 0.33	1.0 +/- 0.36	
JP-SGR-003	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.77 +/- 0.19		0.034 +/- 0.025 J	0.92 +/- 0.23	1.7 +/- 0.39	1.2 +/- 0.42	
JP-SGR-003	SAIC03	1' to 2'	Alpha Spec.	pCi/g	1.0 +/- 0.25		0.045 +/- 0.030 J	0.97 +/- 0.24	2.0 +/- 0.45	0.95 +/- 0.33	
JP-SGR-003	SAIC05	0' to 2'	ICP-MS	mg/kg	0.0064 U		0.0084	1.2	1.2	ND	
JP-SGR-004	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.62 +/- 0.16	J	0.025 +/- 0.020 J	0.68 +/- 0.17 J	1.3 +/- 0.30	1.1 +/- 0.39	
JP-SGR-004	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.96 +/- 0.24		0.030 +/- 0.024 J	1.1 +/- 0.26	2.0 +/- 0.46	1.1 +/- 0.38	
JP-SGR-004	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.74 +/- 0.19		0.042 +/- 0.029 J	0.85 +/- 0.21	1.6 +/- 0.37	1.2 +/- 0.41	
JP-SGR-004	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.67 +/- 0.17		0.028 +/- 0.022 J	0.78 +/- 0.20	1.5 +/- 0.34	1.2 +/- 0.42	
JP-SGR-005	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.76 +/- 0.19		0.055 +/- 0.033 J	0.93 +/- 0.22	1.7 +/- 0.39	1.2 +/- 0.42	
JP-SGR-005	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.97 +/- 0.24		0.046 +/- 0.030 J	0.92 +/- 0.22	1.9 +/- 0.43	0.94 +/- 0.32	
JP-SGR-005	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.93 +/- 0.23		0.051 +/- 0.032 J	1.1 +/- 0.26	2.1 +/- 0.46	1.2 +/- 0.40	
JP-SGR-005	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.85 +/- 0.21		0.025 +/- 0.021 J	1.0 +/- 0.24	1.9 +/- 0.42	1.2 +/- 0.41	
JP-SGR-006	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.74 +/- 0.19		0.016 +/- 0.016 J	0.84 +/- 0.21	1.6 +/- 0.36	1.1 +/- 0.40	
JP-SGR-006	SAIC01D	0' to 0.5'	Alpha Spec.	pCi/g	1.1 +/- 0.25		0.036 +/- 0.027 J	0.93 +/- 0.23	2.0 +/- 0.45	0.89 +/- 0.31	
JP-SGR-006	SAIC01C	0' to 0.5'	Alpha Spec.	pCi/g	0.85 +/- 0.15		0.021 +/- 0.014 J	0.88 +/- 0.15	1.8 +/- 0.28	1.0 +/- 0.26	
JP-SGR-006	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.90 +/- 0.22		0.043 +/- 0.028 J	0.93 +/- 0.22	1.9 +/- 0.41	1.0 +/- 0.35	
JP-SGR-006	SAIC02D	0.5' to 1'	Alpha Spec.	pCi/g	0.80 +/- 0.20		0.028 +/- 0.022 J	0.95 +/- 0.23	1.8 +/- 0.40	1.2 +/- 0.41	
JP-SGR-006	SAIC02C	0.5' to 1'	Alpha Spec.	pCi/g	0.85 +/- 0.15		0.034 +/- 0.017 J	0.94 +/- 0.16	1.8 +/- 0.29	1.1 +/- 0.27	
JP-SGR-006	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.87 +/- 0.21		0.039 +/- 0.028 J	0.96 +/- 0.23	1.9 +/- 0.41	1.1 +/- 0.38	
JP-SGR-006	SAIC03D	1' to 2'	Alpha Spec.	pCi/g	0.82 +/- 0.20		0.060 +/- 0.035 J	0.96 +/- 0.23	1.8 +/- 0.41	1.2 +/- 0.40	
JP-SGR-006	SAIC03C	1' to 2'	Alpha Spec.	pCi/g	0.84 +/- 0.15		0.047 +/- 0.022 J	0.96 +/- 0.16	1.8 +/- 0.29	1.1 +/- 0.28	
JP-SGR-006	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.64 +/- 0.16		0.054 +/- 0.033 J	0.75 +/- 0.19	1.4 +/- 0.33	1.2 +/- 0.42	
JP-SGR-006	SAIC04D	2' to 4'	Alpha Spec.	pCi/g	0.67 +/- 0.17		0.040 +/- 0.027 J	0.73 +/- 0.18	1.5 +/- 0.33	1.1 +/- 0.39	
JP-SGR-006	SAIC04C	2' to 4'	Alpha Spec.	pCi/g	0.65 +/- 0.12		0.046 +/- 0.021 J	0.74 +/- 0.13	1.4 +/- 0.23	1.1 +/- 0.29	
JP-SGR-007	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.93 +/- 0.22		0.046 +/- 0.030 J	0.94 +/- 0.23	1.9 +/- 0.42	1.0 +/- 0.35	
JP-SGR-007	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.97 +/- 0.23		0.045 +/- 0.029 J	0.97 +/- 0.23	2.0 +/- 0.44	1.0 +/- 0.34	
JP-SGR-007	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.95 +/- 0.23		0.048 +/- 0.030 J	1.1 +/- 0.26	2.1 +/- 0.46	1.1 +/- 0.39	
JP-SGR-007	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.93 +/- 0.23		0.046 +/- 0.030 J	0.96 +/- 0.23	1.9 +/- 0.43	1.0 +/- 0.35	
JP-SGR-008	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.65 +/- 0.17		0.020 +/- 0.019 J	0.72 +/- 0.18	1.4 +/- 0.31	1.1 +/- 0.39	
JP-SGR-008	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.77 +/- 0.19		0.037 +/- 0.026 J	0.86 +/- 0.21	1.7 +/- 0.37	1.1 +/- 0.39	
JP-SGR-008	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.70 +/- 0.18	J	0.038 +/- 0.026 J	0.89 +/- 0.22 J	1.6 +/- 0.37	1.3 +/- 0.44	
JP-SGR-008	SAIC04	2' to 4'	Alpha Spec.	pCi/g	1.1 +/- 0.26		0.076 +/- 0.041 J	0.99 +/- 0.24	2.2 +/- 0.48	0.91 +/- 0.31	
JP-SGR-009	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.79 +/- 0.19		0.053 +/- 0.032 J	0.76 +/- 0.19	1.6 +/- 0.36	0.96 +/- 0.33	
JP-SGR-009	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.86 +/- 0.21		0.053 +/- 0.033 J	0.96 +/- 0.24	1.9 +/- 0.42	1.1 +/- 0.39	
JP-SGR-009	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.79 +/- 0.20		0.049 +/- 0.031 J	0.84 +/- 0.21	1.7 +/- 0.38	1.1 +/- 0.37	
JP-SGR-009	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.75 +/- 0.19		0.030 +/- 0.023 J	0.82 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.38	
Category 1 – Outside DU Impact Area Perimeter											
JP-SC1-001	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.68 +/- 0.17		0.032 +/- 0.024 J	0.86 +/- 0.21	1.6 +/- 0.35	1.3 +/- 0.45	
JP-SC1-001	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.74 +/- 0.19		0.034 +/- 0.025 J	0.79 +/- 0.20	1.6 +/- 0.35	1.1 +/- 0.37	
JP-SC1-001	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.62 +/- 0.16		0.035 +/- 0.026 J	0.85 +/- 0.21	1.5 +/- 0.34	1.4 +/- 0.49	

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				Total Uranium	DU Presence U-238/U-234 Ratio Weight Percent U-235	
					U-234	U-235	J	U-238			
JP-SC1-001	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.74 +/- 0.19	0.057 +/- 0.035	J	0.81 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.39	
JP-SC1-002	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.72 +/- 0.18	0.045 +/- 0.029	J	0.84 +/- 0.20	1.6 +/- 0.36	1.2 +/- 0.41	
JP-SC1-002	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.82 +/- 0.20	0.059 +/- 0.035	J	0.79 +/- 0.19	1.7 +/- 0.37	0.96 +/- 0.33	
JP-SC1-002	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.91 +/- 0.22	0.040 +/- 0.027	J	0.86 +/- 0.21	1.8 +/- 0.40	0.94 +/- 0.32	
JP-SC1-002	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.66 +/- 0.17	0.033 +/- 0.024	J	0.74 +/- 0.18	1.4 +/- 0.32	1.1 +/- 0.40	
JP-SC1-003	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.59 +/- 0.15	0.030 +/- 0.023	J	0.62 +/- 0.16	1.3 +/- 0.29	1.1 +/- 0.38	
JP-SC1-003	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.64 +/- 0.16	0.023 +/- 0.021	J	0.68 +/- 0.17	1.3 +/- 0.30	1.1 +/- 0.38	
JP-SC1-003	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.62 +/- 0.16	0.033 +/- 0.024	J	0.66 +/- 0.17	1.3 +/- 0.30	1.1 +/- 0.38	
JP-SC1-003	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.87 +/- 0.21	0.037 +/- 0.026	J	0.83 +/- 0.20	1.7 +/- 0.39	0.96 +/- 0.33	
JP-SC1-004	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.60 +/- 0.16	0.024 +/- 0.021	J	0.81 +/- 0.20	1.4 +/- 0.33	1.3 +/- 0.47	
JP-SC1-004	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.65 +/- 0.17	0.032 +/- 0.024	J	0.75 +/- 0.19	1.4 +/- 0.33	1.1 +/- 0.41	
JP-SC1-004	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.80 +/- 0.20	0.034 +/- 0.025	J	0.80 +/- 0.20	1.6 +/- 0.37	1.00 +/- 0.35	
JP-SC1-004	SAIC04	2' to 4'	Alpha Spec.	pCi/g	1.0 +/- 0.24	0.015 +/- 0.016	J	1.0 +/- 0.24	2.0 +/- 0.45	0.99 +/- 0.34	
JP-SC1-005	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.85 +/- 0.21	0.045 +/- 0.030	J	0.80 +/- 0.20	1.7 +/- 0.38	0.94 +/- 0.33	
JP-SC1-005	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.75 +/- 0.18	0.034 +/- 0.024	J	0.82 +/- 0.20	1.6 +/- 0.35	1.1 +/- 0.38	
JP-SC1-006	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.65 +/- 0.17	0.039 +/- 0.028	J	0.70 +/- 0.18	1.4 +/- 0.32	1.1 +/- 0.39	
JP-SC1-006	SAIC01D	0' to 0.5'	Alpha Spec.	pCi/g	0.74 +/- 0.19	0.057 +/- 0.035	J	0.71 +/- 0.18	1.5 +/- 0.34	0.97 +/- 0.34	
JP-SC1-006	SAIC01C	0' to 0.5'	Alpha Spec.	pCi/g	0.69 +/- 0.12	0.046 +/- 0.022	J	0.71 +/- 0.13	1.4 +/- 0.23	1.0 +/- 0.26	
JP-SC1-006	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.68 +/- 0.18	0.043 +/- 0.029	J	0.67 +/- 0.17	1.4 +/- 0.32	0.98 +/- 0.36	
JP-SC1-006	SAIC02D	0.5' to 1'	Alpha Spec.	pCi/g	0.60 +/- 0.16	0.041 +/- 0.029	J	0.69 +/- 0.18	1.3 +/- 0.31	1.2 +/- 0.43	
JP-SC1-006	SAIC02C	0.5' to 1'	Alpha Spec.	pCi/g	0.63 +/- 0.12	0.042 +/- 0.021	J	0.68 +/- 0.12	1.4 +/- 0.22	1.1 +/- 0.28	
JP-SC1-006	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.79 +/- 0.20	0.028 +/- 0.023	J	0.71 +/- 0.18	1.5 +/- 0.35	0.90 +/- 0.32	
JP-SC1-006	SAIC03D	1' to 2'	Alpha Spec.	pCi/g	0.72 +/- 0.18	0.044 +/- 0.030	J	0.77 +/- 0.19	1.5 +/- 0.35	1.1 +/- 0.38	
JP-SC1-006	SAIC03C	1' to 2'	Alpha Spec.	pCi/g	0.75 +/- 0.13	0.034 +/- 0.018	J	0.74 +/- 0.13	1.5 +/- 0.25	0.98 +/- 0.25	
JP-SC1-006	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.72 +/- 0.18	0.029 +/- 0.023	J	0.71 +/- 0.18	1.5 +/- 0.33	0.98 +/- 0.35	
JP-SC1-006	SAIC04D	2' to 4'	Alpha Spec.	pCi/g	0.74 +/- 0.19	0.032 +/- 0.024	J	0.80 +/- 0.20	1.6 +/- 0.35	1.1 +/- 0.38	
JP-SC1-006	SAIC04C	2' to 4'	Alpha Spec.	pCi/g	0.73 +/- 0.13	0.030 +/- 0.017	J	0.75 +/- 0.13	1.5 +/- 0.24	1.0 +/- 0.25	
JP-SC1-007	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.66 +/- 0.17	0.048 +/- 0.031	J	0.75 +/- 0.19	1.5 +/- 0.33	1.1 +/- 0.40	
JP-SC1-007	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.017 +/- 0.017	J	0.82 +/- 0.20	1.6 +/- 0.35	1.1 +/- 0.41	
JP-SC1-007	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.75 +/- 0.19	0.040 +/- 0.028	J	0.79 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.37	
JP-SC1-007	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.77 +/- 0.20	0.073 +/- 0.042	J	0.76 +/- 0.19	1.6 +/- 0.36	0.99 +/- 0.36	
JP-SC1-008	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.64 +/- 0.16	0.036 +/- 0.026	J	0.78 +/- 0.20	1.5 +/- 0.33	1.2 +/- 0.43	
JP-SC1-008	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.035 +/- 0.025	J	0.85 +/- 0.21	1.6 +/- 0.36	1.2 +/- 0.42	
JP-SC1-008	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.066 +/- 0.039	J	0.91 +/- 0.22	1.7 +/- 0.39	1.2 +/- 0.42	
JP-SC1-008	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.040 +/- 0.028	J	0.80 +/- 0.20	1.6 +/- 0.35	1.1 +/- 0.40	
JP-SC1-009	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.81 +/- 0.20	0.025 +/- 0.021	J	0.88 +/- 0.21	1.7 +/- 0.38	1.1 +/- 0.38	
JP-SC1-009	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.79 +/- 0.19	0.031 +/- 0.023	J	0.76 +/- 0.19	1.6 +/- 0.35	0.96 +/- 0.33	
JP-SC1-009	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.96 +/- 0.23	0.053 +/- 0.034	J	0.99 +/- 0.24	2.0 +/- 0.45	1.0 +/- 0.35	
JP-SC1-009	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.90 +/- 0.22	0.025 +/- 0.020	J	0.86 +/- 0.21	1.8 +/- 0.40	0.95 +/- 0.32	
JP-SC1-010	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.85 +/- 0.21	0.062 +/- 0.037	J	1.0 +/- 0.24	1.9 +/- 0.43	1.2 +/- 0.41	
JP-SC1-010	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.75 +/- 0.19	0.028 +/- 0.023	J	0.90 +/- 0.22	1.7 +/- 0.38	1.2 +/- 0.42	
JP-SC1-010	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.75 +/- 0.19	0.040 +/- 0.028	J	0.82 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.39	
JP-SC1-010	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.75 +/- 0.19	0.040 +/- 0.027	J	0.81 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.38	
JP-SC1-011	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.054 +/- 0.032	J	0.87 +/- 0.21	1.7 +/- 0.38	1.1 +/- 0.40	
JP-SC1-011	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.90 +/- 0.22	0.052 +/- 0.032	J	0.78 +/- 0.19	1.7 +/- 0.38	0.87 +/- 0.30	
JP-SC1-011	SAIC03	1' to 2'	Alpha Spec.	pCi/g	1.0 +/- 0.25	0.065 +/- 0.038	J	1.0 +/- 0.24	2.1 +/- 0.47	0.97 +/- 0.33	
JP-SC1-011	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.74 +/- 0.18	0.045 +/- 0.029	J	0.81 +/- 0.20	1.6 +/- 0.35	1.1 +/- 0.38	
JP-SC1-012	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.62 +/- 0.16	0.063 +/- 0.036	J	0.72 +/- 0.18	1.4 +/- 0.32	1.1 +/- 0.41	
JP-SC1-012	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.68 +/- 0.17	0.027 +/- 0.021	J	0.71 +/- 0.18	1.4 +/- 0.32	1.1 +/- 0.37	
JP-SC1-012	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.024 +/- 0.020	J	0.76 +/- 0.19	1.5 +/- 0.33	1.1 +/- 0.37	
Category 2 – Immediately Inside DU Impact Area											
JP-SC2-001	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.022 +/- 0.019	J	0.80 +/- 0.20	1.5 +/- 0.34	1.1 +/- 0.40	
JP-SC2-001	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.72 +/- 0.18	0.030 +/- 0.022	J	0.84 +/- 0.20	1.6 +/- 0.35	1.2 +/- 0.41	
JP-SC2-001	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.83 +/- 0.20	0.032 +/- 0.024	J	0.90 +/- 0.22	1.8 +/- 0.39	1.1 +/- 0.37	

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				Total Uranium	DU Presence U-238/U-234 Ratio Weight Percent U-235	
					U-234	U-235	J	U-238			
JP-SC2-001	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.90 +/- 0.22	0.048 +/- 0.032	J	0.93 +/- 0.23	1.9 +/- 0.42	1.0 +/- 0.36	
JP-SC2-002	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.86 +/- 0.21	0.018 +/- 0.017	J	0.94 +/- 0.23	1.8 +/- 0.40	1.1 +/- 0.37	
JP-SC2-002	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.92 +/- 0.23	0.047 +/- 0.030	J	1.0 +/- 0.25	2.0 +/- 0.44	1.1 +/- 0.38	
JP-SC2-002	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.025 +/- 0.021	J	0.92 +/- 0.23	1.7 +/- 0.39	1.2 +/- 0.43	
JP-SC2-002	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.83 +/- 0.20	0.042 +/- 0.028	J	0.84 +/- 0.21	1.7 +/- 0.38	1.0 +/- 0.35	
JP-SC2-003	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.64 +/- 0.16	0.039 +/- 0.026	J	0.57 +/- 0.15	1.3 +/- 0.28	0.88 +/- 0.32	
JP-SC2-003	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.50 +/- 0.13	0.027 +/- 0.022	J	0.62 +/- 0.16	1.1 +/- 0.27	1.2 +/- 0.46	
JP-SC2-003	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.47 +/- 0.13	0.011 +/- 0.013	J	0.52 +/- 0.14	1.00 +/- 0.23	1.1 +/- 0.41	
JP-SC2-003	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.44 +/- 0.12	0.014 +/- 0.014	J	0.60 +/- 0.15	1.1 +/- 0.24	1.4 +/- 0.50	
JP-SC2-004	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.89 +/- 0.21	0.031 +/- 0.023	J	0.74 +/- 0.18	1.7 +/- 0.37	0.83 +/- 0.29	
JP-SC2-004	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.036 +/- 0.024	J	0.77 +/- 0.19	1.5 +/- 0.34	1.1 +/- 0.37	
JP-SC2-004	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.78 +/- 0.19	0.044 +/- 0.028	J	0.78 +/- 0.19	1.6 +/- 0.36	1.0 +/- 0.35	
JP-SC2-004	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.021 +/- 0.019	J	0.86 +/- 0.21	1.6 +/- 0.35	1.2 +/- 0.42	
JP-SC2-005	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.63 +/- 0.16	0.027 +/- 0.022	J	0.72 +/- 0.18	1.4 +/- 0.31	1.1 +/- 0.41	
JP-SC2-005	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.59 +/- 0.15	0.032 +/- 0.025	J	0.65 +/- 0.17	1.3 +/- 0.29	1.1 +/- 0.40	
JP-SC2-005	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.77 +/- 0.19	0.033 +/- 0.025	J	0.77 +/- 0.19	1.6 +/- 0.35	1.00 +/- 0.35	
JP-SC2-005	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.94 +/- 0.23	0.037 +/- 0.027	J	0.92 +/- 0.23	1.9 +/- 0.42	0.98 +/- 0.34	
JP-SC2-006	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.74 +/- 0.18	0.021 +/- 0.019	J	0.73 +/- 0.18	1.5 +/- 0.34	0.99 +/- 0.35	
JP-SC2-006	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.73 +/- 0.18	0.035 +/- 0.025	J	0.83 +/- 0.20	1.6 +/- 0.35	1.1 +/- 0.39	
JP-SC2-006	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.043 +/- 0.029	J	0.86 +/- 0.21	1.6 +/- 0.36	1.2 +/- 0.43	
JP-SC2-006	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.92 +/- 0.23	0.038 +/- 0.027	J	1.0 +/- 0.25	2.0 +/- 0.44	1.1 +/- 0.38	
JP-SC2-007	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.79 +/- 0.20	0.030 +/- 0.025	J	1.1 +/- 0.25	1.9 +/- 0.42	1.3 +/- 0.46	
JP-SC2-007	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.73 +/- 0.19	0.073 +/- 0.042	J	0.84 +/- 0.21	1.6 +/- 0.37	1.2 +/- 0.41	
JP-SC2-007	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.77 +/- 0.19	0.033 +/- 0.025	J	0.87 +/- 0.21	1.7 +/- 0.38	1.1 +/- 0.40	
JP-SC2-007	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.73 +/- 0.19	0.049 +/- 0.032	J	1.0 +/- 0.25	1.8 +/- 0.40	1.4 +/- 0.49	
JP-SC2-008	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.75 +/- 0.19	0.051 +/- 0.033	J	0.91 +/- 0.22	1.7 +/- 0.39	1.2 +/- 0.42	
JP-SC2-008	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	1.0 +/- 0.24	0.031 +/- 0.023	J	0.95 +/- 0.23	2.0 +/- 0.44	0.94 +/- 0.32	
JP-SC2-008	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.78 +/- 0.19	0.049 +/- 0.032	J	0.88 +/- 0.21	1.7 +/- 0.38	1.1 +/- 0.39	
JP-SC2-008	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.79 +/- 0.20	0.043 +/- 0.029	J	0.88 +/- 0.22	1.7 +/- 0.39	1.1 +/- 0.39	
JP-SC2-009	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.67 +/- 0.17	0.020 +/- 0.019	J	0.74 +/- 0.19	1.4 +/- 0.33	1.1 +/- 0.39	
JP-SC2-009	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.52 +/- 0.14	0.024 +/- 0.021	J	0.66 +/- 0.17	1.2 +/- 0.28	1.3 +/- 0.47	
JP-SC2-009	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.61 +/- 0.16	0.044 +/- 0.031	J	0.84 +/- 0.21	1.5 +/- 0.34	1.4 +/- 0.50	
JP-SC2-009	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.67 +/- 0.17	0.036 +/- 0.025	J	0.70 +/- 0.17	1.4 +/- 0.32	1.0 +/- 0.37	
JP-SC2-010	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.029 +/- 0.024	J	0.76 +/- 0.19	1.6 +/- 0.35	1.0 +/- 0.36	
JP-SC2-010	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.81 +/- 0.20	0.051 +/- 0.032	J	0.78 +/- 0.19	1.6 +/- 0.37	0.96 +/- 0.34	
JP-SC2-010	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.78 +/- 0.20	0.038 +/- 0.027	J	0.68 +/- 0.17	1.5 +/- 0.34	0.87 +/- 0.31	
JP-SC2-010	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.72 +/- 0.18	0.024 +/- 0.021	J	0.84 +/- 0.21	1.6 +/- 0.35	1.2 +/- 0.41	
JP-SC2-011	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.83 +/- 0.20	0.029 +/- 0.023	J	0.82 +/- 0.20	1.7 +/- 0.37	0.99 +/- 0.34	
JP-SC2-011	SAIC01D	0' to 0.5'	Alpha Spec.	pCi/g	0.75 +/- 0.19	0.019 +/- 0.018	J	0.79 +/- 0.19	1.6 +/- 0.35	1.1 +/- 0.36	
JP-SC2-011	SAIC01C	0' to 0.5'	Alpha Spec.	pCi/g	0.79 +/- 0.14	0.023 +/- 0.014	J	0.80 +/- 0.14	1.6 +/- 0.26	1.0 +/- 0.25	
JP-SC2-011	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.80 +/- 0.20	0.046 +/- 0.029	J	0.86 +/- 0.21	1.7 +/- 0.38	1.1 +/- 0.37	
JP-SC2-011	SAIC02D	0.5' to 1'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.033 +/- 0.024	J	0.80 +/- 0.19	1.6 +/- 0.35	1.1 +/- 0.36	
JP-SC2-011	SAIC02C	0.5' to 1'	Alpha Spec.	pCi/g	0.78 +/- 0.13	0.038 +/- 0.018	J	0.82 +/- 0.14	1.6 +/- 0.26	1.1 +/- 0.26	
JP-SC2-011	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.85 +/- 0.20	0.027 +/- 0.021	J	0.88 +/- 0.21	1.8 +/- 0.39	1.0 +/- 0.35	
JP-SC2-011	SAIC03D	1' to 2'	Alpha Spec.	pCi/g	0.82 +/- 0.20	0.040 +/- 0.027	J	0.81 +/- 0.20	1.7 +/- 0.37	0.99 +/- 0.34	
JP-SC2-011	SAIC03C	1' to 2'	Alpha Spec.	pCi/g	0.83 +/- 0.14	0.032 +/- 0.017	J	0.84 +/- 0.15	1.7 +/- 0.27	1.0 +/- 0.25	
JP-SC2-011	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.94 +/- 0.23	0.023 +/- 0.020	J	0.86 +/- 0.21	1.8 +/- 0.41	0.92 +/- 0.32	
JP-SC2-011	SAIC04D	2' to 4'	Alpha Spec.	pCi/g	0.84 +/- 0.21	0.025 +/- 0.022	J	0.88 +/- 0.21	1.7 +/- 0.39	1.1 +/- 0.36	
JP-SC2-011	SAIC04C	2' to 4'	Alpha Spec.	pCi/g	0.88 +/- 0.15	0.024 +/- 0.015	J	0.87 +/- 0.15	1.8 +/- 0.28	0.99 +/- 0.24	
JP-SC2-012	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.82 +/- 0.20	0.036 +/- 0.026	J	0.88 +/- 0.21	1.7 +/- 0.39	1.1 +/- 0.37	
JP-SC2-012	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	1.1 +/- 0.27	0.056 +/- 0.036	J	1.1 +/- 0.27	2.3 +/- 0.51	1.0 +/- 0.35	
JP-SC2-012	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.91 +/- 0.22	0.041 +/- 0.028	J	1.0 +/- 0.25	2.0 +/- 0.44	1.1 +/- 0.38	
JP-SC2-012	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.75 +/- 0.19	0.034 +/- 0.025	J	0.69 +/- 0.17	1.5 +/- 0.33	0.91 +/- 0.32	

Total and Isotopic Uranium Results for Soil and Sediment Samples

Year 10: Isotope Gamma Results for Soil and Sediment Samples											
Field		Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)					DU Presence	
Sample ID	Sample Number				U-234	U-235	U-238	Total Uranium	U-238/U-234 Ratio	Weight Percent U-235	
Category 3 – Midway to DU Impact Area Trenches											
JP-SC3-001	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.84 +/- 0.21	0.042 +/- 0.028	J	0.95 +/- 0.23	1.8 +/- 0.41	1.1 +/- 0.39	
JP-SC3-001	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.87 +/- 0.21	0.042 +/- 0.028	J	0.90 +/- 0.22	1.8 +/- 0.40	1.0 +/- 0.35	
JP-SC3-001	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.92 +/- 0.22	0.014 +/- 0.015	J	0.91 +/- 0.22	1.8 +/- 0.41	0.98 +/- 0.33	
JP-SC3-001	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.89 +/- 0.21	0.063 +/- 0.035	J	1.0 +/- 0.24	2.0 +/- 0.43	1.1 +/- 0.38	
JP-SC3-001	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.83 +/- 0.20	0.046 +/- 0.029	J	0.83 +/- 0.20	1.7 +/- 0.38	1.00 +/- 0.34	
JP-SC3-002	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.027 +/- 0.023	J	0.90 +/- 0.23	1.6 +/- 0.37	1.3 +/- 0.46	
JP-SC3-002	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.82 +/- 0.20	0.033 +/- 0.024	J	0.78 +/- 0.19	1.6 +/- 0.36	0.95 +/- 0.33	
JP-SC3-002	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.89 +/- 0.22	0.022 +/- 0.019	J	0.90 +/- 0.22	1.8 +/- 0.40	1.0 +/- 0.35	
JP-SC3-002	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.88 +/- 0.22	0.046 +/- 0.030	J	0.75 +/- 0.19	1.7 +/- 0.38	0.85 +/- 0.30	
JP-SC3-002	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.55 +/- 0.15	0.018 +/- 0.018	J	0.63 +/- 0.17	1.2 +/- 0.28	1.1 +/- 0.43	
JP-SC3-003	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.027 +/- 0.022	J	0.75 +/- 0.19	1.5 +/- 0.34	1.1 +/- 0.38	
JP-SC3-003	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.73 +/- 0.18	0.032 +/- 0.024	J	0.71 +/- 0.18	1.5 +/- 0.33	0.97 +/- 0.34	
JP-SC3-003	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.75 +/- 0.19	0.053 +/- 0.033	J	0.74 +/- 0.19	1.6 +/- 0.35	0.98 +/- 0.35	
JP-SC3-003	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.69 +/- 0.18	0.022 +/- 0.019	J	0.73 +/- 0.18	1.5 +/- 0.33	1.1 +/- 0.38	
JP-SC3-003	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.69 +/- 0.17	0.011 +/- 0.015	U	0.68 +/- 0.17	1.4 +/- 0.31	0.98 +/- 0.34	
JP-SC3-004	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.69 +/- 0.18	0.040 +/- 0.028	J	0.64 +/- 0.17	1.4 +/- 0.31	0.93 +/- 0.34	
JP-SC3-004	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.60 +/- 0.15	0.040 +/- 0.027	J	0.76 +/- 0.19	1.4 +/- 0.32	1.3 +/- 0.45	
JP-SC3-004	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.72 +/- 0.18	0.047 +/- 0.030	J	0.71 +/- 0.18	1.5 +/- 0.33	0.98 +/- 0.34	
JP-SC3-004	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.68 +/- 0.17	0.035 +/- 0.025	J	0.61 +/- 0.16	1.3 +/- 0.30	0.90 +/- 0.32	
JP-SC3-004	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.68 +/- 0.17	0.024 +/- 0.021	J	0.81 +/- 0.20	1.5 +/- 0.34	1.2 +/- 0.42	
JP-SC3-005	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	2.3 +/- 0.54	0.19 +/- 0.092		14 +/- 3.1	16 +/- 3.5	6.0 +/- 2.0	
JP-SC3-005	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	2.7	0.24 +/- 0.18		16 +/- 5.4	19 +/- 5.4	5.9	
JP-SC3-005	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.060 +/- 0.034	J	1.2 +/- 0.28	2.0 +/- 0.44	1.6 +/- 0.53	
JP-SC3-005	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.86 +/- 0.21	0.025 +/- 0.021	J	1.1 +/- 0.25	2.0 +/- 0.43	1.2 +/- 0.42	
JP-SC3-005	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.75 +/- 0.19	0.033 +/- 0.024	J	0.85 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.39	
JP-SC3-005	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.041 +/- 0.028	J	0.94 +/- 0.23	1.7 +/- 0.39	1.2 +/- 0.43	
JP-SC3-006	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.63 +/- 0.16	0.010 +/- 0.014	U	0.66 +/- 0.17	1.3 +/- 0.30	1.1 +/- 0.38	
JP-SC3-006	SAIC01D	0' to 0.5'	Alpha Spec.	pCi/g	0.62 +/- 0.16	0.045 +/- 0.031	J	0.76 +/- 0.19	1.4 +/- 0.33	1.2 +/- 0.45	
JP-SC3-006	SAIC01C	0' to 0.5'	Alpha Spec.	pCi/g	0.62 +/- 0.11	0.016 +/- 0.013	J	0.70 +/- 0.13	1.4 +/- 0.22	1.1 +/- 0.29	
JP-SC3-006	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.65 +/- 0.17	0.049 +/- 0.032	J	0.68 +/- 0.17	1.4 +/- 0.32	1.0 +/- 0.38	
JP-SC3-006	SAIC02D	0.5' to 1'	Alpha Spec.	pCi/g	0.64 +/- 0.17	0.036 +/- 0.026	J	0.70 +/- 0.18	1.4 +/- 0.31	1.1 +/- 0.39	
JP-SC3-006	SAIC02C	0.5' to 1'	Alpha Spec.	pCi/g	0.65 +/- 0.12	0.041 +/- 0.020	J	0.69 +/- 0.12	1.4 +/- 0.22	1.1 +/- 0.27	
JP-SC3-006	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.050 +/- 0.032	J	0.74 +/- 0.19	1.5 +/- 0.34	1.0 +/- 0.38	
JP-SC3-006	SAIC03D	1' to 2'	Alpha Spec.	pCi/g	0.65 +/- 0.17	0.034 +/- 0.025	J	0.78 +/- 0.19	1.5 +/- 0.33	1.2 +/- 0.43	
JP-SC3-006	SAIC03C	1' to 2'	Alpha Spec.	pCi/g	0.67 +/- 0.12	0.040 +/- 0.020	J	0.76 +/- 0.13	1.5 +/- 0.24	1.1 +/- 0.28	
JP-SC3-006	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.89 +/- 0.22	0.030 +/- 0.025	J	0.89 +/- 0.22	1.8 +/- 0.41	1.0 +/- 0.35	
JP-SC3-006	SAIC04D	2' to 4'	Alpha Spec.	pCi/g	0.82 +/- 0.20	0.031 +/- 0.024	J	0.87 +/- 0.21	1.7 +/- 0.38	1.1 +/- 0.37	
JP-SC3-006	SAIC04C	2' to 4'	Alpha Spec.	pCi/g	0.85 +/- 0.15	0.031 +/- 0.017	J	0.88 +/- 0.15	1.8 +/- 0.28	1.0 +/- 0.25	
JP-SC3-006	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.78 +/- 0.20	0.041 +/- 0.029	J	0.87 +/- 0.21	1.7 +/- 0.38	1.1 +/- 0.39	
JP-SC3-006	SAIC05D	4' to 6'	Alpha Spec.	pCi/g	0.94 +/- 0.23	0.040 +/- 0.029	J	0.85 +/- 0.21	1.8 +/- 0.41	0.90 +/- 0.32	
JP-SC3-006	SAIC05C	4' to 6'	Alpha Spec.	pCi/g	0.85 +/- 0.15	0.041 +/- 0.021	J	0.86 +/- 0.15	1.8 +/- 0.28	1.0 +/- 0.25	
JP-SC3-007	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.62 +/- 0.16	0.023 +/- 0.020	J	0.60 +/- 0.16	1.3 +/- 0.29	0.96 +/- 0.35	
JP-SC3-007	SAIC01D	0' to 0.5'	Alpha Spec.	pCi/g	0.60 +/- 0.16	0.017 +/- 0.018	U	0.65 +/- 0.17	1.3 +/- 0.29	1.1 +/- 0.39	
JP-SC3-007	SAIC01C	0' to 0.5'	Alpha Spec.	pCi/g	0.61 +/- 0.11	0.020 +/- 0.013	U	0.62 +/- 0.11	1.3 +/- 0.20	1.0 +/- 0.26	
JP-SC3-007	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.81 +/- 0.20	0.021 +/- 0.020	J	0.73 +/- 0.19	1.6 +/- 0.35	0.91 +/- 0.32	
JP-SC3-007	SAIC02D	0.5' to 1'	Alpha Spec.	pCi/g	0.72 +/- 0.18	0.024 +/- 0.021	J	0.86 +/- 0.21	1.6 +/- 0.36	1.2 +/- 0.42	
JP-SC3-007	SAIC02C	0.5' to 1'	Alpha Spec.	pCi/g	0.76 +/- 0.14	0.022 +/- 0.014	J	0.79 +/- 0.14	1.6 +/- 0.25	1.0 +/- 0.26	
JP-SC3-007	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.80 +/- 0.20	0.025 +/- 0.022	J	0.87 +/- 0.22	1.7 +/- 0.38	1.1 +/- 0.38	
JP-SC3-007	SAIC03D	1' to 2'	Alpha Spec.	pCi/g	0.72 +/- 0.18	0.019 +/- 0.018	J	0.71 +/- 0.18	1.5 +/- 0.33	0.99 +/- 0.35	
JP-SC3-007	SAIC03C	1' to 2'	Alpha Spec.	pCi/g	0.76 +/- 0.13	0.021 +/- 0.014	J	0.77 +/- 0.14	1.6 +/- 0.25	1.0 +/- 0.26	
JP-SC3-007	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.73 +/- 0.18	0.026 +/- 0.021	J	0.80 +/- 0.20	1.6 +/- 0.35	1.1 +/- 0.38	
JP-SC3-007	SAIC04D	2' to 4'	Alpha Spec.	pCi/g	0.69 +/- 0.17	0.028 +/- 0.022	J	0.75 +/- 0.19	1.5 +/- 0.33	1.1 +/- 0.38	
JP-SC3-007	SAIC04C	2' to 4'	Alpha Spec.	pCi/g	0.71 +/- 0.13	0.027 +/- 0.015	J	0.77 +/- 0.14	1.5 +/- 0.24	1.1 +/- 0.27	

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				Total Uranium	DU Presence U-238/U-234 Ratio Weight Percent U-235	
					U-234	U-235	U-238				
JP-SC3-007	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.78 +/- 0.19	0.034 +/- 0.025	J	0.80 +/- 0.20	1.6 +/- 0.36	1.0 +/- 0.36	
JP-SC3-007	SAIC05D	4' to 6'	Alpha Spec.	pCi/g	0.82 +/- 0.21	0.061 +/- 0.038	J	0.93 +/- 0.23	1.8 +/- 0.41	1.1 +/- 0.41	
JP-SC3-007	SAIC05C	4' to 6'	Alpha Spec.	pCi/g	0.80 +/- 0.14	0.042 +/- 0.021	J	0.86 +/- 0.15	1.7 +/- 0.27	1.1 +/- 0.27	
JP-SC3-008	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.62 +/- 0.16	0.031 +/- 0.024	J	0.69 +/- 0.18	1.3 +/- 0.31	1.1 +/- 0.41	
JP-SC3-008	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.61 +/- 0.16	0.056 +/- 0.035	J	0.69 +/- 0.18	1.4 +/- 0.31	1.1 +/- 0.41	
JP-SC3-008	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.69 +/- 0.18	0.020 +/- 0.019	J	0.82 +/- 0.20	1.5 +/- 0.35	1.2 +/- 0.42	
JP-SC3-008	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.79 +/- 0.20	0.051 +/- 0.032	J	0.77 +/- 0.19	1.6 +/- 0.36	0.97 +/- 0.34	
JP-SC3-008	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.64 +/- 0.17	0.043 +/- 0.030	J	0.76 +/- 0.19	1.4 +/- 0.33	1.2 +/- 0.43	
JP-SC3-009	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.65 +/- 0.17	0.024 +/- 0.021	J	0.74 +/- 0.19	1.4 +/- 0.33	1.1 +/- 0.41	
JP-SC3-009	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.77 +/- 0.20	0.031 +/- 0.026	J	0.86 +/- 0.21	1.7 +/- 0.38	1.1 +/- 0.39	
JP-SC3-009	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.63 +/- 0.17	0.022 +/- 0.021	J	0.89 +/- 0.23	1.5 +/- 0.36	1.4 +/- 0.52	
JP-SC3-009	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.84 +/- 0.21	0.028 +/- 0.024	J	0.84 +/- 0.21	1.7 +/- 0.39	0.99 +/- 0.35	
JP-SC3-009	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.72 +/- 0.18	0.016 +/- 0.017	J	0.74 +/- 0.19	1.5 +/- 0.34	1.0 +/- 0.37	
JP-SC3-010	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.75 +/- 0.19	0.033 +/- 0.026	J	0.91 +/- 0.22	1.7 +/- 0.38	1.2 +/- 0.42	
JP-SC3-010	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.83 +/- 0.21	0.036 +/- 0.027	J	0.68 +/- 0.18	1.6 +/- 0.35	0.82 +/- 0.29	
JP-SC3-010	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.90 +/- 0.22	0.039 +/- 0.028	J	0.81 +/- 0.20	1.8 +/- 0.39	0.89 +/- 0.31	
JP-SC3-010	SAIC04	2' to 4'	Alpha Spec.	pCi/g	1.1 +/- 0.27	0.024 +/- 0.022	J	0.92 +/- 0.23	2.0 +/- 0.46	0.84 +/- 0.29	
JP-SC3-011	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.72 +/- 0.18	0.043 +/- 0.029	J	0.71 +/- 0.18	1.5 +/- 0.33	0.98 +/- 0.35	
JP-SC3-011	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.63 +/- 0.16	0.012 +/- 0.014	J	0.52 +/- 0.14	1.2 +/- 0.27	0.83 +/- 0.31	
JP-SC3-011	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.57 +/- 0.15	0.031 +/- 0.024	J	0.62 +/- 0.16	1.2 +/- 0.28	1.1 +/- 0.40	
JP-SC3-011	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.78 +/- 0.19	0.043 +/- 0.029	J	0.60 +/- 0.16	1.4 +/- 0.32	0.78 +/- 0.28	
JP-SC3-012	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.92 +/- 0.22	0.066 +/- 0.038	J	0.99 +/- 0.24	2.0 +/- 0.44	1.1 +/- 0.37	
JP-SC3-012	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.95 +/- 0.23	0.048 +/- 0.030	J	0.96 +/- 0.23	2.0 +/- 0.43	1.0 +/- 0.34	
JP-SC3-012	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.66 +/- 0.16	0.024 +/- 0.019	J	0.75 +/- 0.18	1.4 +/- 0.32	1.1 +/- 0.40	
JP-SC3-012	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.039 +/- 0.026	J	0.61 +/- 0.15	1.4 +/- 0.30	0.86 +/- 0.31	
JP-SC3-012	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.62 +/- 0.16	0.047 +/- 0.030	J	0.66 +/- 0.17	1.3 +/- 0.30	1.1 +/- 0.38	
Category 4 – Immediately Outside DU Impact Area Trenches											
JP-SC4-001	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.66 +/- 0.17	0.046 +/- 0.031	J	0.75 +/- 0.19	1.5 +/- 0.33	1.1 +/- 0.41	
JP-SC4-001	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.59 +/- 0.15	0.029 +/- 0.023	J	0.65 +/- 0.17	1.3 +/- 0.29	1.1 +/- 0.40	
JP-SC4-001	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.69 +/- 0.17	0.033 +/- 0.024	J	0.71 +/- 0.18	1.4 +/- 0.33	1.0 +/- 0.36	
JP-SC4-001	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.023 +/- 0.020	J	0.70 +/- 0.18	1.4 +/- 0.32	1.0 +/- 0.35	
JP-SC4-001	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.83 +/- 0.21	0.049 +/- 0.032	J	0.89 +/- 0.22	1.8 +/- 0.40	1.1 +/- 0.38	
JP-SC4-002	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.64 +/- 0.16	0.037 +/- 0.026	J	0.70 +/- 0.18	1.4 +/- 0.31	1.1 +/- 0.39	
JP-SC4-002	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.63 +/- 0.16	0.045 +/- 0.031	J	0.76 +/- 0.19	1.4 +/- 0.33	1.2 +/- 0.44	
JP-SC4-002	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.65 +/- 0.17	0.032 +/- 0.025	J	0.62 +/- 0.16	1.3 +/- 0.30	0.95 +/- 0.35	
JP-SC4-002	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.034 +/- 0.026	J	0.66 +/- 0.17	1.4 +/- 0.32	0.94 +/- 0.34	
JP-SC4-003	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.97 +/- 0.23	0.045 +/- 0.029	J	0.83 +/- 0.20	1.9 +/- 0.41	0.86 +/- 0.29	
JP-SC4-003	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.031 +/- 0.024	J	1.0 +/- 0.24	1.7 +/- 0.39	1.4 +/- 0.50	
JP-SC4-003	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.88 +/- 0.21	0.045 +/- 0.029	J	0.93 +/- 0.23	1.9 +/- 0.41	1.1 +/- 0.37	
JP-SC4-003	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.59 +/- 0.15	0.031 +/- 0.023	J	0.71 +/- 0.18	1.3 +/- 0.30	1.2 +/- 0.43	
JP-SC4-003	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.66 +/- 0.17	0.038 +/- 0.028	J	0.91 +/- 0.23	1.6 +/- 0.36	1.4 +/- 0.49	
JP-SC4-004	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.57 +/- 0.15	0.027 +/- 0.022	J	0.79 +/- 0.20	1.4 +/- 0.31	1.4 +/- 0.50	
JP-SC4-004	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.77 +/- 0.19	0.048 +/- 0.031	J	0.78 +/- 0.19	1.6 +/- 0.36	1.0 +/- 0.35	
JP-SC4-004	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.82 +/- 0.21	0.030 +/- 0.024	J	0.93 +/- 0.23	1.8 +/- 0.40	1.1 +/- 0.40	
JP-SC4-004	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.80 +/- 0.20	0.074 +/- 0.041	J	0.77 +/- 0.19	1.6 +/- 0.37	0.96 +/- 0.34	
JP-SC4-004	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.77 +/- 0.19	0.036 +/- 0.026	J	0.81 +/- 0.20	1.6 +/- 0.36	1.0 +/- 0.37	
JP-SC4-005	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.66 +/- 0.17	0.035 +/- 0.026	J	0.70 +/- 0.18	1.4 +/- 0.32	1.1 +/- 0.38	
JP-SC4-005	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.78 +/- 0.20	0.016 +/- 0.017	J	0.79 +/- 0.20	1.6 +/- 0.36	1.0 +/- 0.36	
JP-SC4-005	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.60 +/- 0.15	0.048 +/- 0.030	J	0.74 +/- 0.19	1.4 +/- 0.31	1.2 +/- 0.45	
JP-SC4-005	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.65 +/- 0.17	0.035 +/- 0.025	J	0.66 +/- 0.17	1.4 +/- 0.31	1.0 +/- 0.37	
JP-SC4-005	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.036 +/- 0.025	J	0.80 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.37	
JP-SC4-006	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.030 +/- 0.023	J	0.87 +/- 0.21	1.7 +/- 0.37	1.1 +/- 0.40	
JP-SC4-006	SAIC01D	0' to 0.5'	Alpha Spec.	pCi/g	0.86 +/- 0.21	0.036 +/- 0.026	J	0.91 +/- 0.22	1.8 +/- 0.40	1.1 +/- 0.36	
JP-SC4-006	SAIC01C	0' to 0.5'	Alpha Spec.	pCi/g	0.80 +/- 0.14	0.033 +/- 0.017	J	0.89 +/- 0.15	1.7 +/- 0.27	1.1 +/- 0.27	

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				Total Uranium	DU Presence U-238/U-234 Ratio Weight Percent U-235	
					U-234	U-235	J	U-238			
JP-SC4-006	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.051 +/- 0.033	J	0.83 +/- 0.20	1.6 +/- 0.35	1.2 +/- 0.41	
JP-SC4-006	SAIC02D	0.5' to 1'	Alpha Spec.	pCi/g	0.79 +/- 0.20	0.028 +/- 0.023	J	0.78 +/- 0.20	1.6 +/- 0.36	1.00 +/- 0.36	
JP-SC4-006	SAIC02C	0.5' to 1'	Alpha Spec.	pCi/g	0.74 +/- 0.13	0.035 +/- 0.019	J	0.80 +/- 0.14	1.6 +/- 0.25	1.1 +/- 0.27	
JP-SC4-006	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.85 +/- 0.21	0.025 +/- 0.022	J	0.94 +/- 0.23	1.8 +/- 0.40	1.1 +/- 0.38	
JP-SC4-006	SAIC03D	1' to 2'	Alpha Spec.	pCi/g	0.78 +/- 0.19	0.059 +/- 0.035	J	0.88 +/- 0.21	1.7 +/- 0.38	1.1 +/- 0.39	
JP-SC4-006	SAIC03C	1' to 2'	Alpha Spec.	pCi/g	0.81 +/- 0.14	0.035 +/- 0.019	J	0.90 +/- 0.16	1.8 +/- 0.28	1.1 +/- 0.27	
JP-SC4-006	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.79 +/- 0.20	0.027 +/- 0.022	J	0.71 +/- 0.18	1.5 +/- 0.34	0.90 +/- 0.32	
JP-SC4-006	SAIC04D	2' to 4'	Alpha Spec.	pCi/g	0.80 +/- 0.20	0.034 +/- 0.025	J	0.83 +/- 0.20	1.7 +/- 0.37	1.0 +/- 0.36	
JP-SC4-006	SAIC04C	2' to 4'	Alpha Spec.	pCi/g	0.80 +/- 0.14	0.030 +/- 0.016	J	0.76 +/- 0.13	1.6 +/- 0.25	0.96 +/- 0.24	
JP-SC4-006	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.81 +/- 0.20	0.044 +/- 0.029	J	0.84 +/- 0.20	1.7 +/- 0.38	1.0 +/- 0.36	
JP-SC4-006	SAIC05D	4' to 6'	Alpha Spec.	pCi/g	0.75 +/- 0.18	0.039 +/- 0.026	J	0.75 +/- 0.18	1.6 +/- 0.34	1.0 +/- 0.34	
JP-SC4-006	SAIC05C	4' to 6'	Alpha Spec.	pCi/g	0.78 +/- 0.13	0.041 +/- 0.019	J	0.79 +/- 0.14	1.6 +/- 0.25	1.0 +/- 0.25	
JP-SC4-007	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.018 +/- 0.019	J	0.71 +/- 0.18	1.4 +/- 0.33	1.0 +/- 0.37	
JP-SC4-007	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.78 +/- 0.20	0.026 +/- 0.023	J	0.70 +/- 0.18	1.5 +/- 0.34	0.89 +/- 0.32	
JP-SC4-007	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.68 +/- 0.17	0.040 +/- 0.028	J	0.73 +/- 0.19	1.5 +/- 0.33	1.1 +/- 0.39	
JP-SC4-007	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.73 +/- 0.19	0.031 +/- 0.025	J	0.80 +/- 0.20	1.6 +/- 0.35	1.1 +/- 0.39	
JP-SC4-007	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.68 +/- 0.17	0.051 +/- 0.032	J	0.76 +/- 0.19	1.5 +/- 0.34	1.1 +/- 0.40	
JP-SC4-008	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.043 +/- 0.029	J	0.74 +/- 0.19	1.5 +/- 0.35	0.97 +/- 0.34	
JP-SC4-008	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.049 +/- 0.032	J	0.66 +/- 0.17	1.4 +/- 0.32	0.94 +/- 0.34	
JP-SC4-008	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.79 +/- 0.20	0.020 +/- 0.019	J	0.87 +/- 0.21	1.7 +/- 0.38	1.1 +/- 0.39	
JP-SC4-008	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.78 +/- 0.20	0.049 +/- 0.031	J	0.87 +/- 0.21	1.7 +/- 0.38	1.1 +/- 0.39	
JP-SC4-008	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.81 +/- 0.20	0.010 +/- 0.014	U	0.74 +/- 0.19	1.6 +/- 0.35	0.91 +/- 0.32	
JP-SC4-009	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.058 +/- 0.036	J	0.67 +/- 0.17	1.4 +/- 0.33	0.95 +/- 0.34	
JP-SC4-009	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.61 +/- 0.16	0.033 +/- 0.025	J	0.82 +/- 0.20	1.5 +/- 0.33	1.3 +/- 0.48	
JP-SC4-009	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.048 +/- 0.031	J	0.68 +/- 0.17	1.4 +/- 0.33	0.96 +/- 0.34	
JP-SC4-009	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.78 +/- 0.19	0.042 +/- 0.029	J	0.85 +/- 0.21	1.7 +/- 0.37	1.1 +/- 0.38	
JP-SC4-009	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.73 +/- 0.18	0.041 +/- 0.029	J	0.83 +/- 0.21	1.6 +/- 0.36	1.1 +/- 0.40	
JP-SC4-010	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.025 +/- 0.020	J	0.77 +/- 0.19	1.5 +/- 0.34	1.1 +/- 0.38	
JP-SC4-010	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.60 +/- 0.16	0.041 +/- 0.028	J	0.62 +/- 0.16	1.3 +/- 0.29	1.0 +/- 0.37	
JP-SC4-010	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.79 +/- 0.20	0.029 +/- 0.023	J	0.86 +/- 0.21	1.7 +/- 0.38	1.1 +/- 0.38	
JP-SC4-010	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.57 +/- 0.15	0.030 +/- 0.023	J	0.71 +/- 0.18	1.3 +/- 0.30	1.2 +/- 0.44	
JP-SC4-010	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.56 +/- 0.15	0.024 +/- 0.021	J	0.64 +/- 0.16	1.2 +/- 0.28	1.1 +/- 0.42	
JP-SC4-011	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.81 +/- 0.20	0.042 +/- 0.029	J	0.80 +/- 0.20	1.7 +/- 0.37	0.98 +/- 0.35	
JP-SC4-011	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.85 +/- 0.21	0.051 +/- 0.032	J	0.69 +/- 0.18	1.6 +/- 0.36	0.82 +/- 0.29	
JP-SC4-011	SAIC03	1' to 2'	Alpha Spec.	pCi/g	1.0 +/- 0.24	0.056 +/- 0.033	J	0.87 +/- 0.21	1.9 +/- 0.43	0.86 +/- 0.29	
JP-SC4-011	SAIC04	2' to 4'	Alpha Spec.	pCi/g	1.0 +/- 0.25	0.045 +/- 0.029	J	1.0 +/- 0.25	2.1 +/- 0.46	0.98 +/- 0.33	
JP-SC4-012	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.66 +/- 0.17	0.036 +/- 0.028	J	0.85 +/- 0.21	1.6 +/- 0.35	1.3 +/- 0.46	
JP-SC4-012	SAIC01D	0' to 0.5'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.030 +/- 0.023	J	0.77 +/- 0.19	1.5 +/- 0.34	1.1 +/- 0.39	
JP-SC4-012	SAIC01C	0' to 0.5'	Alpha Spec.	pCi/g	0.68 +/- 0.12	0.032 +/- 0.018	J	0.81 +/- 0.14	1.5 +/- 0.24	1.2 +/- 0.30	
JP-SC4-012	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.68 +/- 0.17	0.035 +/- 0.026	J	0.75 +/- 0.19	1.5 +/- 0.34	1.1 +/- 0.39	
JP-SC4-012	SAIC02D	0.5' to 1'	Alpha Spec.	pCi/g	0.69 +/- 0.18	0.046 +/- 0.030	J	0.70 +/- 0.18	1.4 +/- 0.33	1.0 +/- 0.36	
JP-SC4-012	SAIC02C	0.5' to 1'	Alpha Spec.	pCi/g	0.69 +/- 0.12	0.040 +/- 0.020	J	0.72 +/- 0.13	1.5 +/- 0.23	1.1 +/- 0.27	
JP-SC4-012	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.46 +/- 0.13	0.016 +/- 0.017	J	0.55 +/- 0.15	1.0 +/- 0.24	1.2 +/- 0.46	
JP-SC4-012	SAIC03D	1' to 2'	Alpha Spec.	pCi/g	0.60 +/- 0.15	0.014 +/- 0.015	J	0.56 +/- 0.14	1.2 +/- 0.27	0.92 +/- 0.33	
JP-SC4-012	SAIC03C	1' to 2'	Alpha Spec.	pCi/g	0.52 +/- 0.098	0.015 +/- 0.011	J	0.56 +/- 0.10	1.1 +/- 0.18	1.1 +/- 0.28	
JP-SC4-012	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.63 +/- 0.16	0.025 +/- 0.021	J	0.73 +/- 0.18	1.4 +/- 0.31	1.1 +/- 0.41	
JP-SC4-012	SAIC04D	2' to 4'	Alpha Spec.	pCi/g	0.70 +/- 0.17	0.038 +/- 0.026	J	0.67 +/- 0.17	1.4 +/- 0.32	0.96 +/- 0.34	
JP-SC4-012	SAIC04C	2' to 4'	Alpha Spec.	pCi/g	0.66 +/- 0.12	0.030 +/- 0.016	J	0.70 +/- 0.12	1.4 +/- 0.22	1.1 +/- 0.26	
JP-SC4-012	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.74 +/- 0.19	0.030 +/- 0.023	J	0.84 +/- 0.21	1.6 +/- 0.36	1.1 +/- 0.40	
JP-SC4-012	SAIC05D	4' to 6'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.035 +/- 0.027	J	0.82 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.38	
JP-SC4-012	SAIC05C	4' to 6'	Alpha Spec.	pCi/g	0.75 +/- 0.13	0.032 +/- 0.017	J	0.83 +/- 0.15	1.6 +/- 0.26	1.1 +/- 0.28	
Category 5 – Other Nature and Extent Samples											
JP-SC5-001	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.90 +/- 0.22	0.039 +/- 0.026	J	0.89 +/- 0.22	1.8 +/- 0.41	1.00 +/- 0.34	
JP-SC5-001	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.68 +/- 0.17	0.039 +/- 0.028	J	0.76 +/- 0.19	1.5 +/- 0.34	1.1 +/- 0.40	

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				Total Uranium	DU Presence U-238/U-234 Ratio Weight Percent U-235	
					U-234	U-235	J	U-238			
JP-SC5-001	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.74 +/- 0.19	0.037 +/- 0.026	J	0.87 +/- 0.21	1.7 +/- 0.37	1.2 +/- 0.41	
JP-SC5-001	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.86 +/- 0.21	0.016 +/- 0.017	J	0.84 +/- 0.21	1.7 +/- 0.39	0.97 +/- 0.34	
JP-SC5-002	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.035 +/- 0.025	J	0.81 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.37	
JP-SC5-002	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.68 +/- 0.17	0.029 +/- 0.023	J	0.73 +/- 0.18	1.4 +/- 0.33	1.1 +/- 0.38	
JP-SC5-002	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.79 +/- 0.19	0.032 +/- 0.023	J	0.81 +/- 0.20	1.6 +/- 0.36	1.0 +/- 0.36	
JP-SC5-002	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.039 +/- 0.027	J	0.73 +/- 0.18	1.5 +/- 0.34	0.97 +/- 0.34	
JP-SC5-003	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.57 +/- 0.15	0.038 +/- 0.027	J	0.72 +/- 0.18	1.3 +/- 0.30	1.3 +/- 0.46	
JP-SC5-003	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.64 +/- 0.16	0.011 +/- 0.013	J	0.75 +/- 0.19	1.4 +/- 0.32	1.2 +/- 0.42	
JP-SC5-003	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.65 +/- 0.16	0.034 +/- 0.025	J	0.73 +/- 0.18	1.4 +/- 0.32	1.1 +/- 0.40	
JP-SC5-003	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.74 +/- 0.19	0.032 +/- 0.025	J	0.74 +/- 0.19	1.5 +/- 0.34	1.0 +/- 0.36	
JP-SC5-004	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.68 +/- 0.17	0.026 +/- 0.021	J	0.66 +/- 0.17	1.4 +/- 0.31	0.97 +/- 0.35	
JP-SC5-004	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.54 +/- 0.14	0.042 +/- 0.028	J	0.59 +/- 0.15	1.2 +/- 0.27	1.1 +/- 0.40	
JP-SC5-004	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.78 +/- 0.20	0.031 +/- 0.024	J	0.74 +/- 0.19	1.6 +/- 0.35	0.95 +/- 0.34	
JP-SC5-004	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.95 +/- 0.23	0.016 +/- 0.017	J	0.85 +/- 0.21	1.8 +/- 0.41	0.90 +/- 0.31	
JP-SC5-005	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.033 +/- 0.025	J	0.60 +/- 0.15	1.3 +/- 0.30	0.85 +/- 0.30	
JP-SC5-005	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.65 +/- 0.17	0.020 +/- 0.019	J	0.70 +/- 0.18	1.4 +/- 0.31	1.1 +/- 0.38	
JP-SC5-005	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.74 +/- 0.19	0.057 +/- 0.034	J	0.73 +/- 0.18	1.5 +/- 0.34	0.98 +/- 0.35	
JP-SC5-005	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.75 +/- 0.19	0.052 +/- 0.033	J	0.90 +/- 0.22	1.7 +/- 0.39	1.2 +/- 0.43	
JP-SC5-006	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.73 +/- 0.19	0.036 +/- 0.027	J	0.86 +/- 0.21	1.6 +/- 0.37	1.2 +/- 0.42	
JP-SC5-006	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.78 +/- 0.20	0.023 +/- 0.022	J	0.81 +/- 0.20	1.6 +/- 0.37	1.0 +/- 0.37	
JP-SC5-006	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.016 +/- 0.017	J	0.83 +/- 0.21	1.6 +/- 0.35	1.2 +/- 0.41	
JP-SC5-006	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.73 +/- 0.18	0.045 +/- 0.030	J	0.77 +/- 0.19	1.6 +/- 0.35	1.1 +/- 0.37	
JP-SC5-007	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.67 +/- 0.17	0.034 +/- 0.025	J	0.78 +/- 0.19	1.5 +/- 0.34	1.2 +/- 0.42	
JP-SC5-007	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.84 +/- 0.21	0.041 +/- 0.028	J	0.84 +/- 0.21	1.7 +/- 0.39	0.99 +/- 0.35	
JP-SC5-007	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.77 +/- 0.19	0.022 +/- 0.019	J	0.81 +/- 0.20	1.6 +/- 0.36	1.0 +/- 0.36	
JP-SC5-007	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.62 +/- 0.16	0.057 +/- 0.034	J	0.82 +/- 0.20	1.5 +/- 0.34	1.3 +/- 0.47	
JP-SC5-008	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.74 +/- 0.18	0.030 +/- 0.023	J	0.88 +/- 0.21	1.7 +/- 0.37	1.2 +/- 0.41	
JP-SC5-008	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.78 +/- 0.20	0.047 +/- 0.031	J	0.76 +/- 0.19	1.6 +/- 0.36	0.98 +/- 0.34	
JP-SC5-008	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.66 +/- 0.17	0.027 +/- 0.022	J	0.76 +/- 0.19	1.5 +/- 0.33	1.1 +/- 0.40	
JP-SC5-008	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.72 +/- 0.18	0.033 +/- 0.026	J	0.79 +/- 0.20	1.6 +/- 0.35	1.1 +/- 0.39	
JP-SC5-009	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.77 +/- 0.19	0.030 +/- 0.022	J	1.4 +/- 0.33	2.2 +/- 0.48	1.8 +/- 0.62	
JP-SC5-009	SAIC01D	0' to 0.5'	Alpha Spec.	pCi/g	0.83 +/- 0.20	0.022 +/- 0.019	J	1.2 +/- 0.28	2.1 +/- 0.45	1.5 +/- 0.49	
JP-SC5-009	SAIC01C	0' to 0.5'	Alpha Spec.	pCi/g	0.79 +/- 0.14	0.025 +/- 0.014	J	1.3 +/- 0.21	2.1 +/- 0.33	1.6 +/- 0.39	
JP-SC5-009	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.96 +/- 0.23	0.041 +/- 0.027	J	0.98 +/- 0.23	2.0 +/- 0.44	1.0 +/- 0.35	
JP-SC5-009	SAIC02D	0.5' to 1'	Alpha Spec.	pCi/g	0.89 +/- 0.22	0.044 +/- 0.029	J	0.93 +/- 0.22	1.9 +/- 0.41	1.0 +/- 0.36	
JP-SC5-009	SAIC02C	0.5' to 1'	Alpha Spec.	pCi/g	0.92 +/- 0.16	0.042 +/- 0.020	J	0.95 +/- 0.16	1.9 +/- 0.30	1.0 +/- 0.25	
JP-SC5-009	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.98 +/- 0.24	0.033 +/- 0.026	J	1.0 +/- 0.25	2.0 +/- 0.45	1.0 +/- 0.36	
JP-SC5-009	SAIC03D	1' to 2'	Alpha Spec.	pCi/g	0.87 +/- 0.21	0.037 +/- 0.027	J	1.0 +/- 0.24	1.9 +/- 0.43	1.2 +/- 0.40	
JP-SC5-009	SAIC03C	1' to 2'	Alpha Spec.	pCi/g	0.92 +/- 0.16	0.035 +/- 0.019	J	1.0 +/- 0.17	2.0 +/- 0.31	1.1 +/- 0.27	
JP-SC5-009	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.87 +/- 0.21	0.046 +/- 0.029	J	0.92 +/- 0.22	1.8 +/- 0.40	1.1 +/- 0.36	
JP-SC5-009	SAIC04D	2' to 4'	Alpha Spec.	pCi/g	0.92 +/- 0.22	0.021 +/- 0.020	J	0.89 +/- 0.22	1.8 +/- 0.41	0.97 +/- 0.33	
JP-SC5-009	SAIC04C	2' to 4'	Alpha Spec.	pCi/g	0.89 +/- 0.15	0.029 +/- 0.016	J	0.90 +/- 0.15	1.8 +/- 0.29	1.0 +/- 0.25	
JP-SC5-010	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.75 +/- 0.18	0.046 +/- 0.029	J	0.81 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.37	
JP-SC5-010	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.93 +/- 0.23	0.035 +/- 0.026	J	0.92 +/- 0.23	1.9 +/- 0.42	0.99 +/- 0.34	
JP-SC5-010	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.65 +/- 0.17	0.023 +/- 0.020	J	0.69 +/- 0.17	1.4 +/- 0.31	1.1 +/- 0.38	
JP-SC5-010	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.58 +/- 0.15	0.019 +/- 0.018	J	0.69 +/- 0.17	1.3 +/- 0.29	1.2 +/- 0.43	
JP-SC5-011	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.68 +/- 0.17	0.036 +/- 0.026	J	0.92 +/- 0.23	1.6 +/- 0.37	1.4 +/- 0.48	
JP-SC5-011	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.66 +/- 0.17	0.042 +/- 0.027	J	0.77 +/- 0.19	1.5 +/- 0.33	1.2 +/- 0.41	
JP-SC5-011	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.68 +/- 0.17	0.036 +/- 0.025	J	0.77 +/- 0.19	1.5 +/- 0.33	1.1 +/- 0.39	
JP-SC5-011	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.80 +/- 0.20	0.058 +/- 0.033	J	0.92 +/- 0.22	1.8 +/- 0.39	1.1 +/- 0.39	
JP-SC5-012	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.95 +/- 0.23	0.070 +/- 0.039	J	0.97 +/- 0.23	2.0 +/- 0.44	1.0 +/- 0.35	
JP-SC5-012	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.93 +/- 0.23	0.041 +/- 0.028	J	0.89 +/- 0.22	1.9 +/- 0.41	0.96 +/- 0.33	
JP-SC5-012	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.75 +/- 0.19	0.062 +/- 0.036	J	0.82 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.38	
JP-SC5-012	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.018 +/- 0.017	J	0.71 +/- 0.18	1.4 +/- 0.33	1.0 +/- 0.35	

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				Total Uranium	DU Presence U-238/U-234 Ratio Weight Percent U-235	
					U-234	U-235	U-238				
JP-SC5-013	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.038 +/- 0.027	J	0.68 +/- 0.17	1.5 +/- 0.33	0.90 +/- 0.32	
JP-SC5-013	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.63 +/- 0.16	0.037 +/- 0.026	J	0.61 +/- 0.16	1.3 +/- 0.29	0.98 +/- 0.36	
JP-SC5-013	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.63 +/- 0.16	0.014 +/- 0.016	U	0.67 +/- 0.17	1.3 +/- 0.30	1.1 +/- 0.39	
JP-SC5-013	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.66 +/- 0.17	0.032 +/- 0.024	J	0.56 +/- 0.15	1.3 +/- 0.29	0.86 +/- 0.31	
JP-SC5-014	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.97 +/- 0.23	0.058 +/- 0.035	J	1.0 +/- 0.25	2.1 +/- 0.45	1.1 +/- 0.36	
JP-SC5-014	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.98 +/- 0.23	0.040 +/- 0.027	J	1.2 +/- 0.28	2.2 +/- 0.48	1.2 +/- 0.40	
JP-SC5-014	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.59 +/- 0.15	0.038 +/- 0.026	J	0.73 +/- 0.18	1.4 +/- 0.31	1.2 +/- 0.44	
JP-SC5-014	SAIC04	2' to 4'	Alpha Spec.	pCi/g	1.1 +/- 0.25	0.056 +/- 0.033	J	1.3 +/- 0.30	2.4 +/- 0.52	1.2 +/- 0.40	
JP-SC5-015	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.74 +/- 0.19	0.017 +/- 0.018	U	0.71 +/- 0.18	1.5 +/- 0.33	0.96 +/- 0.34	
JP-SC5-015	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.78 +/- 0.20	0.035 +/- 0.026	J	0.81 +/- 0.20	1.6 +/- 0.37	1.0 +/- 0.36	
JP-SC5-015	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.69 +/- 0.17	0.032 +/- 0.024	J	0.70 +/- 0.18	1.4 +/- 0.32	1.0 +/- 0.36	
JP-SC5-015	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.74 +/- 0.19	0.030 +/- 0.023	J	0.75 +/- 0.19	1.5 +/- 0.34	1.0 +/- 0.36	
JP-SC5-016	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.72 +/- 0.18	J 0.023 +/- 0.020	J	1.0 +/- 0.24	J 1.7 +/- 0.39	1.4 +/- 0.48	
JP-SC5-016	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.80 +/- 0.20	0.012 +/- 0.016	U	0.80 +/- 0.20	1.6 +/- 0.36	1.00 +/- 0.35	
JP-SC5-016	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.69 +/- 0.17	0.033 +/- 0.024	J	0.78 +/- 0.19	1.5 +/- 0.34	1.1 +/- 0.40	
JP-SC5-016	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.74 +/- 0.19	0.050 +/- 0.032	J	0.99 +/- 0.24	1.8 +/- 0.40	1.3 +/- 0.47	
JP-SC5-017	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.63 +/- 0.16	0.038 +/- 0.028	J	0.74 +/- 0.19	1.4 +/- 0.32	1.2 +/- 0.43	
JP-SC5-017	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.66 +/- 0.17	0.046 +/- 0.030	J	0.76 +/- 0.19	1.5 +/- 0.33	1.2 +/- 0.41	
JP-SC5-017	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.73 +/- 0.19	0.053 +/- 0.033	J	0.78 +/- 0.20	1.6 +/- 0.35	1.1 +/- 0.38	
JP-SC5-017	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.93 +/- 0.23	0.040 +/- 0.028	J	0.92 +/- 0.23	1.9 +/- 0.42	0.99 +/- 0.34	
JP-SC5-018	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.67 +/- 0.17	0.042 +/- 0.030	J	0.76 +/- 0.19	1.5 +/- 0.34	1.1 +/- 0.41	
JP-SC5-018	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.67 +/- 0.17	0.033 +/- 0.025	J	0.78 +/- 0.20	1.5 +/- 0.34	1.2 +/- 0.42	
JP-SC5-018	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.66 +/- 0.17	0.026 +/- 0.021	J	0.71 +/- 0.18	1.4 +/- 0.32	1.1 +/- 0.38	
JP-SC5-018	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.026 +/- 0.021	J	0.81 +/- 0.20	1.5 +/- 0.35	1.2 +/- 0.41	
JP-SC5-019	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.73 +/- 0.18	0.059 +/- 0.034	J	0.64 +/- 0.16	1.4 +/- 0.32	0.87 +/- 0.31	
JP-SC5-019	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.67 +/- 0.17	0.034 +/- 0.026	J	0.68 +/- 0.17	1.4 +/- 0.32	1.0 +/- 0.37	
JP-SC5-019	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.74 +/- 0.19	0.044 +/- 0.030	J	0.80 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.39	
JP-SC5-019	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.82 +/- 0.20	0.046 +/- 0.031	J	1.00 +/- 0.24	1.9 +/- 0.42	1.2 +/- 0.43	
JP-SC5-020	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.80 +/- 0.20	0.032 +/- 0.025	J	0.70 +/- 0.18	1.5 +/- 0.35	0.88 +/- 0.31	
JP-SC5-020	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.74 +/- 0.19	0.033 +/- 0.026	J	0.74 +/- 0.19	1.5 +/- 0.34	1.00 +/- 0.36	
JP-SC5-020	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.60 +/- 0.16	0.039 +/- 0.029	J	0.78 +/- 0.20	1.4 +/- 0.32	1.3 +/- 0.48	
JP-SC5-020	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.85 +/- 0.21	0.071 +/- 0.040	J	0.80 +/- 0.20	1.7 +/- 0.39	0.94 +/- 0.33	
JP-SC5-021	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.62 +/- 0.16	0.021 +/- 0.020	J	0.70 +/- 0.18	1.3 +/- 0.31	1.1 +/- 0.40	
JP-SC5-021	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.026 +/- 0.021	J	0.69 +/- 0.17	1.4 +/- 0.32	0.98 +/- 0.35	
JP-SC5-021	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.048 +/- 0.031	J	0.80 +/- 0.20	1.6 +/- 0.35	1.1 +/- 0.40	
JP-SC5-021	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.84 +/- 0.21	0.025 +/- 0.022	J	0.78 +/- 0.19	1.6 +/- 0.37	0.93 +/- 0.33	
JP-SC5-022	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.89 +/- 0.22	0.041 +/- 0.030	J	0.81 +/- 0.20	1.7 +/- 0.39	0.91 +/- 0.32	
JP-SC5-022	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.65 +/- 0.17	0.021 +/- 0.020	J	0.85 +/- 0.21	1.5 +/- 0.35	1.3 +/- 0.48	
JP-SC5-022	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.032 +/- 0.024	J	0.69 +/- 0.18	1.4 +/- 0.32	0.98 +/- 0.35	
JP-SC5-022	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.78 +/- 0.19	0.041 +/- 0.028	J	0.85 +/- 0.21	1.7 +/- 0.37	1.1 +/- 0.38	
JP-SC5-023	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.61 +/- 0.16	0.022 +/- 0.021	J	0.63 +/- 0.16	1.3 +/- 0.29	1.0 +/- 0.37	
JP-SC5-023	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.61 +/- 0.16	0.032 +/- 0.024	J	0.67 +/- 0.17	1.3 +/- 0.30	1.1 +/- 0.39	
JP-SC5-023	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.61 +/- 0.16	0.045 +/- 0.030	J	0.67 +/- 0.17	1.3 +/- 0.30	1.1 +/- 0.39	
JP-SC5-023	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.61 +/- 0.16	0.038 +/- 0.027	J	0.73 +/- 0.18	1.4 +/- 0.31	1.2 +/- 0.43	
JP-SC5-024	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.72 +/- 0.18	0.032 +/- 0.024	J	0.74 +/- 0.19	1.5 +/- 0.34	1.0 +/- 0.37	
JP-SC5-024	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.90 +/- 0.22	0.024 +/- 0.021	J	0.75 +/- 0.19	1.7 +/- 0.38	0.83 +/- 0.29	
JP-SC5-024	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.027 +/- 0.022	J	0.81 +/- 0.20	1.5 +/- 0.35	1.1 +/- 0.41	
JP-SC5-024	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.86 +/- 0.21	0.039 +/- 0.027	J	0.91 +/- 0.22	1.8 +/- 0.40	1.1 +/- 0.37	
JP-SC5-025	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.81 +/- 0.20	0.065 +/- 0.037	J	0.85 +/- 0.21	1.7 +/- 0.39	1.0 +/- 0.37	
JP-SC5-025	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.84 +/- 0.21	0.037 +/- 0.026	J	0.93 +/- 0.23	1.8 +/- 0.40	1.1 +/- 0.38	
JP-SC5-025	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.89 +/- 0.22	0.027 +/- 0.022	J	0.91 +/- 0.22	1.8 +/- 0.41	1.0 +/- 0.36	
JP-SC5-025	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.86 +/- 0.21	0.041 +/- 0.028	J	0.88 +/- 0.21	1.8 +/- 0.39	1.0 +/- 0.35	
JP-SC5-026	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.67 +/- 0.17	J 0.041 +/- 0.027	J	0.69 +/- 0.17	J 1.4 +/- 0.32	1.0 +/- 0.36	
JP-SC5-026	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.55 +/- 0.14	J 0.031 +/- 0.023	J	0.49 +/- 0.13	J 1.1 +/- 0.25	0.89 +/- 0.32	

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				Total Uranium	DU Presence U-238/U-234 Ratio Weight Percent U-235	
					U-234	U-235	U-238				
JP-SC5-026	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.50 +/- 0.13	0.019 +/- 0.019 U	0.52 +/- 0.14		1.0 +/- 0.24	1.0 +/- 0.38	
JP-SC5-027	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.84 +/- 0.21	0.029 +/- 0.022 J	0.86 +/- 0.21		1.7 +/- 0.39	1.0 +/- 0.36	
JP-SC5-027	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.80 +/- 0.19	0.028 +/- 0.023 J	0.87 +/- 0.21		1.7 +/- 0.38	1.1 +/- 0.37	
JP-SC5-027	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.94 +/- 0.23	0.045 +/- 0.030 J	1.0 +/- 0.25		2.0 +/- 0.44	1.1 +/- 0.37	
JP-SC5-027	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.85 +/- 0.21	0.042 +/- 0.029 J	0.78 +/- 0.20		1.7 +/- 0.38	0.92 +/- 0.32	
JP-SC5-028	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.64 +/- 0.16 J	0.034 +/- 0.024 J	0.70 +/- 0.17 J		1.4 +/- 0.31	1.1 +/- 0.39	
JP-SC5-028	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.64 +/- 0.16	0.034 +/- 0.024 J	0.85 +/- 0.20		1.5 +/- 0.34	1.3 +/- 0.46	
JP-SC5-028	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.74 +/- 0.18	0.031 +/- 0.024 J	0.76 +/- 0.19		1.5 +/- 0.34	1.0 +/- 0.36	
JP-SC5-028	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.72 +/- 0.18	0.042 +/- 0.028 J	0.75 +/- 0.19		1.5 +/- 0.34	1.0 +/- 0.37	
JP-SC5-029	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.78 +/- 0.20	0.052 +/- 0.033 J	0.95 +/- 0.23		1.8 +/- 0.40	1.2 +/- 0.43	
JP-SC5-029	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.86 +/- 0.21	0.027 +/- 0.022 J	1.7 +/- 0.39		2.6 +/- 0.57	2.0 +/- 0.66	
JP-SC5-029	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.86 +/- 0.21	0.057 +/- 0.034 J	0.85 +/- 0.21		1.8 +/- 0.39	0.99 +/- 0.34	
JP-SC5-029	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.70 +/- 0.17	0.051 +/- 0.031 J	0.78 +/- 0.19		1.5 +/- 0.34	1.1 +/- 0.39	
JP-SC5-030	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.67 +/- 0.17	0.014 +/- 0.015 J	0.75 +/- 0.18		1.4 +/- 0.32	1.1 +/- 0.39	
JP-SC5-030	SAIC01D	0' to 0.5'	Alpha Spec.	pCi/g	0.61 +/- 0.15	0.017 +/- 0.016 J	0.69 +/- 0.17		1.3 +/- 0.30	1.1 +/- 0.40	
JP-SC5-030	SAIC01C	0' to 0.5'	Alpha Spec.	pCi/g	0.63 +/- 0.11	0.015 +/- 0.011 J	0.72 +/- 0.12		1.4 +/- 0.22	1.1 +/- 0.28	
JP-SC5-030	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.69 +/- 0.17	0.024 +/- 0.021 J	0.74 +/- 0.18		1.5 +/- 0.33	1.1 +/- 0.38	
JP-SC5-030	SAIC02D	0.5' to 1'	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.030 +/- 0.023 J	0.81 +/- 0.20		1.6 +/- 0.36	1.1 +/- 0.38	
JP-SC5-030	SAIC02C	0.5' to 1'	Alpha Spec.	pCi/g	0.72 +/- 0.13	0.027 +/- 0.015 J	0.77 +/- 0.14		1.5 +/- 0.24	1.1 +/- 0.27	
JP-SC5-030	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.74 +/- 0.18	0.024 +/- 0.019 J	0.71 +/- 0.18		1.5 +/- 0.33	0.97 +/- 0.34	
JP-SC5-030	SAIC03D	1' to 2'	Alpha Spec.	pCi/g	0.78 +/- 0.19	0.053 +/- 0.032 J	0.81 +/- 0.20		1.6 +/- 0.36	1.0 +/- 0.36	
JP-SC5-030	SAIC03C	1' to 2'	Alpha Spec.	pCi/g	0.75 +/- 0.13	0.032 +/- 0.016 J	0.75 +/- 0.13		1.5 +/- 0.24	1.00 +/- 0.25	
JP-SC5-030	SAIC04	2' to 4'	Alpha Spec.	pCi/g	1.2 +/- 0.30 J	0.056 +/- 0.039 J	1.3 +/- 0.31 J		2.5 +/- 0.56	1.0 +/- 0.36	
JP-SC5-030	SAIC04D	2' to 4'	Alpha Spec.	pCi/g	0.82 +/- 0.20	0.040 +/- 0.027 J	0.88 +/- 0.21		1.7 +/- 0.39	1.1 +/- 0.37	
JP-SC5-030	SAIC04C	2' to 4'	Alpha Spec.	pCi/g	0.94 +/- 0.17	0.045 +/- 0.022 J	1.0 +/- 0.17		2.0 +/- 0.32	1.1 +/- 0.26	
JP-SC5-031	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.75 +/- 0.19 J	0.033 +/- 0.024 J	0.74 +/- 0.18 J		1.5 +/- 0.34	0.98 +/- 0.34	
JP-SC5-031	SAIC01D	0' to 0.5'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.027 +/- 0.022 J	0.70 +/- 0.17		1.4 +/- 0.32	0.98 +/- 0.34	
JP-SC5-031	SAIC01C	0' to 0.5'	Alpha Spec.	pCi/g	0.73 +/- 0.13	0.030 +/- 0.016 J	0.72 +/- 0.13		1.5 +/- 0.24	0.98 +/- 0.24	
JP-SC5-031	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.59 +/- 0.15	0.021 +/- 0.019 J	0.59 +/- 0.15		1.2 +/- 0.28	1.0 +/- 0.37	
JP-SC5-031	SAIC02D	0.5' to 1'	Alpha Spec.	pCi/g	0.53 +/- 0.14	0.052 +/- 0.032 J	0.59 +/- 0.15		1.2 +/- 0.27	1.1 +/- 0.41	
JP-SC5-031	SAIC02C	0.5' to 1'	Alpha Spec.	pCi/g	0.56 +/- 0.10	0.029 +/- 0.016 J	0.59 +/- 0.11		1.2 +/- 0.19	1.1 +/- 0.28	
JP-SC5-031	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.56 +/- 0.15	0.023 +/- 0.020 J	0.57 +/- 0.15		1.2 +/- 0.27	1.0 +/- 0.37	
JP-SC5-031	SAIC03D	1' to 2'	Alpha Spec.	pCi/g	0.51 +/- 0.13	0.029 +/- 0.022 J	0.58 +/- 0.15		1.1 +/- 0.26	1.1 +/- 0.42	
JP-SC5-031	SAIC03C	1' to 2'	Alpha Spec.	pCi/g	0.53 +/- 0.099	0.026 +/- 0.015 J	0.57 +/- 0.11		1.1 +/- 0.18	1.1 +/- 0.28	
JP-SC5-031	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.63 +/- 0.16	0.027 +/- 0.022 J	0.67 +/- 0.17		1.3 +/- 0.30	1.1 +/- 0.38	
JP-SC5-031	SAIC04D	2' to 4'	Alpha Spec.	pCi/g	0.65 +/- 0.16	0.033 +/- 0.024 J	0.62 +/- 0.16		1.3 +/- 0.30	0.96 +/- 0.34	
JP-SC5-031	SAIC04C	2' to 4'	Alpha Spec.	pCi/g	0.64 +/- 0.11	0.030 +/- 0.016 J	0.64 +/- 0.12		1.3 +/- 0.21	1.0 +/- 0.26	
JP-SC5-032	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.38 +/- 0.11	0.034 +/- 0.026 J	0.30 +/- 0.091		0.71 +/- 0.18	0.80 +/- 0.33	
JP-SC5-032	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.47 +/- 0.13	0.016 +/- 0.017 U	0.43 +/- 0.12		0.92 +/- 0.22	0.91 +/- 0.34	
JP-SC5-032	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.60 +/- 0.16	0.033 +/- 0.025 J	0.56 +/- 0.15		1.2 +/- 0.28	0.93 +/- 0.35	
JP-SC5-032	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.43 +/- 0.12	0.011 +/- 0.013 J	0.39 +/- 0.11		0.83 +/- 0.20	0.91 +/- 0.36	
Category 6 – Trench Locations											
JP-SC6-001	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.79 +/- 0.20	0.040 +/- 0.028 J	0.88 +/- 0.22		1.7 +/- 0.38	1.1 +/- 0.39	
JP-SC6-001	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	2.0	0.13 +/- 0.13 UJ	2.2 +/- 2.4 UJ		4.4 +/- 2.4	ND	
JP-SC6-001	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.85 +/- 0.21	0.032 +/- 0.026 J	1.0 +/- 0.25		1.9 +/- 0.43	1.2 +/- 0.41	
JP-SC6-001	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	0.89	-8.9E-04 +/- 0.14 UJ	1.1 +/- 0.49		2.0 +/- 0.51	1.2	
JP-SC6-001	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.87 +/- 0.21	0.059 +/- 0.036 J	0.97 +/- 0.23		1.9 +/- 0.42	1.1 +/- 0.38	
JP-SC6-001	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.83 +/- 0.21	0.032 +/- 0.026 J	0.93 +/- 0.23		1.8 +/- 0.40	1.1 +/- 0.39	
JP-SC6-001	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.57 +/- 0.15	0.024 +/- 0.021 J	0.73 +/- 0.18		1.3 +/- 0.30	1.3 +/- 0.47	
JP-SC6-002	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.77 +/- 0.19	0.049 +/- 0.032 J	1.2 +/- 0.28		2.0 +/- 0.45	1.6 +/- 0.53	
JP-SC6-002	SAIC01D	0' to 0.5'	Alpha Spec.	pCi/g	0.83 +/- 0.20	0.050 +/- 0.032 J	1.3 +/- 0.31		2.2 +/- 0.48	1.6 +/- 0.54	
JP-SC6-002	SAIC01C	0' to 0.5'	Alpha Spec.	pCi/g	0.79 +/- 0.14	0.050 +/- 0.023 J	1.2 +/- 0.21		2.1 +/- 0.33	1.6 +/- 0.38	
JP-SC6-002	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	0.76	0.019 +/- 0.15 UJ	1.2 +/- 0.59		2.0 +/- 0.61	1.6	
JP-SC6-002	SAIC01D	0' to 0.5'	Gamma Spec.	pCi/g	0.93	0.19 +/- 0.15	1.5 +/- 0.37		2.6 +/- 0.40	1.6	

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				DU Presence U-238/U-234 Ratio Weight Percent U-235
					U-234	U-235	U-238	Total Uranium	
JP-SC6-002	SAIC01C	0' to 0.5'	Gamma Spec.	pCi/g	0.85	0.11 +/- 0.11	1.4 +/- 0.31	2.4 +/- 0.33	1.7
JP-SC6-002	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.86 +/- 0.21	0.065 +/- 0.038 J	0.98 +/- 0.24	1.9 +/- 0.43	1.1 +/- 0.39
JP-SC6-002	SAIC02D	0.5' to 1'	Alpha Spec.	pCi/g	0.81 +/- 0.20	0.043 +/- 0.029 J	0.91 +/- 0.23	1.8 +/- 0.40	1.1 +/- 0.40
JP-SC6-002	SAIC02C	0.5' to 1'	Alpha Spec.	pCi/g	0.83 +/- 0.15	0.051 +/- 0.023 J	0.95 +/- 0.16	1.8 +/- 0.29	1.1 +/- 0.28
JP-SC6-002	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	1.7	-1.0E-02 +/- 0.18 UJ	1.9 +/- 0.64	3.5 +/- 0.66	1.1
JP-SC6-002	SAIC02D	0.5' to 1'	Gamma Spec.	pCi/g	-2.5E-01	0.12 +/- 0.16 UJ	-2.8E-01 +/- 2.8 UJ	-4.1E-01 +/- 2.8	ND
JP-SC6-002	SAIC02C	0.5' to 1'	Gamma Spec.	pCi/g	0.70	0.065 +/- 0.12 UJ	1.8 +/- 0.62 UJ	2.5 +/- 0.63	ND
JP-SC6-002	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.73 +/- 0.18	0.029 +/- 0.022 J	0.77 +/- 0.19	1.5 +/- 0.34	1.1 +/- 0.37
JP-SC6-002	SAIC03D	1' to 2'	Alpha Spec.	pCi/g	0.82 +/- 0.20	0.034 +/- 0.025 J	0.67 +/- 0.17	1.5 +/- 0.34	0.82 +/- 0.29
JP-SC6-002	SAIC03C	1' to 2'	Alpha Spec.	pCi/g	0.77 +/- 0.13	0.031 +/- 0.016 J	0.71 +/- 0.13	1.5 +/- 0.24	0.93 +/- 0.23
JP-SC6-002	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.77 +/- 0.19	0.023 +/- 0.020 J	0.71 +/- 0.18	1.5 +/- 0.34	0.92 +/- 0.33
JP-SC6-002	SAIC04D	2' to 4'	Alpha Spec.	pCi/g	0.86 +/- 0.21	0.047 +/- 0.030 J	0.86 +/- 0.21	1.8 +/- 0.39	1.00 +/- 0.34
JP-SC6-002	SAIC04C	2' to 4'	Alpha Spec.	pCi/g	0.81 +/- 0.14	0.030 +/- 0.017 J	0.77 +/- 0.14	1.6 +/- 0.26	0.95 +/- 0.24
JP-SC6-002	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.89 +/- 0.22	0.046 +/- 0.030 J	0.87 +/- 0.21	1.8 +/- 0.41	0.98 +/- 0.34
JP-SC6-002	SAIC05D	4' to 6'	Alpha Spec.	pCi/g	0.89 +/- 0.22	0.058 +/- 0.035 J	0.86 +/- 0.21	1.8 +/- 0.40	0.96 +/- 0.33
JP-SC6-002	SAIC05C	4' to 6'	Alpha Spec.	pCi/g	0.89 +/- 0.15	0.051 +/- 0.023 J	0.86 +/- 0.15	1.8 +/- 0.29	0.97 +/- 0.24
JP-SC6-003	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	5.8 +/- 1.5	0.60 +/- 0.27	42 +/- 10	48 +/- 11	7.2 +/- 2.6
JP-SC6-003	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	6.1	1.0 +/- 0.32	44 +/- 7.1	51 +/- 7.1	7.1
JP-SC6-003	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	4.4 +/- 1.1	0.42 +/- 0.19	32 +/- 7.6	37 +/- 8.5	7.4 +/- 2.5
JP-SC6-003	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	5.8	0.58 +/- 0.29	42 +/- 7.8	48 +/- 7.8	7.1
JP-SC6-003	SAIC03	1' to 2'	Alpha Spec.	pCi/g	2.6 +/- 0.64	0.23 +/- 0.11	16 +/- 3.6	19 +/- 4.1	6.0 +/- 2.0
JP-SC6-003	SAIC03	1' to 2'	Gamma Spec.	pCi/g	3.6	0.40 +/- 0.34	21 +/- 6.1	25 +/- 6.1	5.9
JP-SC6-003	SAIC04	2' to 4'	Alpha Spec.	pCi/g	1.2 +/- 0.27	0.093 +/- 0.046	4.1 +/- 0.90	5.3 +/- 1.1	3.6 +/- 1.2
JP-SC6-003	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.031 +/- 0.024 J	1.1 +/- 0.25	1.8 +/- 0.40	1.5 +/- 0.53
JP-SC6-004	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	4.7 +/- 1.2	0.46 +/- 0.21	31 +/- 7.4	36 +/- 8.3	6.7 +/- 2.3
JP-SC6-004	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	3.9	0.41 +/- 0.25 UJ	26 +/- 7.4	30 +/- 7.4	6.6
JP-SC6-004	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.82 +/- 0.20	0.038 +/- 0.028 J	1.1 +/- 0.27	2.0 +/- 0.44	1.4 +/- 0.48
JP-SC6-004	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	1.6	0.17 +/- 0.15 U	2.2 +/- 0.63	3.9 +/- 0.64	1.4
JP-SC6-004	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.92 +/- 0.23	0.057 +/- 0.035 J	1.0 +/- 0.25	2.0 +/- 0.45	1.1 +/- 0.38
JP-SC6-004	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.72 +/- 0.19	0.051 +/- 0.034 J	0.93 +/- 0.23	1.7 +/- 0.39	1.3 +/- 0.46
JP-SC6-004	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.040 +/- 0.028 J	0.84 +/- 0.21	1.6 +/- 0.36	1.2 +/- 0.42
JP-SC6-005	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.065 +/- 0.037 J	0.74 +/- 0.19	1.5 +/- 0.34	1.0 +/- 0.37
JP-SC6-005	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	1.6	0.028 +/- 0.12 UJ	1.7 +/- 2.5 UJ	3.4 +/- 2.5	ND
JP-SC6-005	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.75 +/- 0.19	0.021 +/- 0.019 J	0.75 +/- 0.19	1.5 +/- 0.35	1.0 +/- 0.36
JP-SC6-005	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	-1.1E-01	0.0090 +/- 0.12 UJ	-1.1E-01 +/- 2.4 UJ	-2.1E-01 +/- 2.4	ND
JP-SC6-005	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.79 +/- 0.20	0.037 +/- 0.027 J	0.80 +/- 0.20	1.6 +/- 0.37	1.0 +/- 0.35
JP-SC6-005	SAIC04	2' to 4'	Alpha Spec.	pCi/g	1.0 +/- 0.24	0.053 +/- 0.033 J	0.95 +/- 0.23	2.0 +/- 0.45	0.94 +/- 0.32
JP-SC6-005	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.83 +/- 0.20	0.021 +/- 0.020 J	0.84 +/- 0.21	1.7 +/- 0.38	1.0 +/- 0.35
JP-SC6-006	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.61 +/- 0.16	0.033 +/- 0.024 J	0.77 +/- 0.19	1.4 +/- 0.32	1.3 +/- 0.45
JP-SC6-006	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	0.0070	0.11 +/- 0.12 UJ	0.010 +/- 2.4 UJ	0.13 +/- 2.4	ND
JP-SC6-006	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.80 +/- 0.20	0.067 +/- 0.040 J	0.80 +/- 0.20	1.7 +/- 0.38	1.0 +/- 0.36
JP-SC6-006	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	-1.7E+00	0.073 +/- 0.12 UJ	-1.7E+00 +/- 2.3 R	--	1.0
JP-SC6-006	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.73 +/- 0.19	0.027 +/- 0.022 J	0.86 +/- 0.21	1.6 +/- 0.37	1.2 +/- 0.41
JP-SC6-006	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.83 +/- 0.20	0.041 +/- 0.028 J	0.76 +/- 0.19	1.6 +/- 0.36	0.92 +/- 0.32
JP-SC6-006	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.69 +/- 0.18	0.021 +/- 0.020 J	0.72 +/- 0.19	1.4 +/- 0.33	1.0 +/- 0.38
JP-SC6-007	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	8.3 +/- 2.2	0.67 +/- 0.31	60 +/- 15	69 +/- 16	7.1 +/- 2.6
JP-SC6-007	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	17	1.5 +/- 0.42	123 +/- 16	142 +/- 16	7.1
JP-SC6-007	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	1.8 +/- 0.43	0.16 +/- 0.077	9.9 +/- 2.2	12 +/- 2.6	5.4 +/- 1.8
JP-SC6-007	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	1.7	0.090 +/- 0.18 UJ	9.5 +/- 1.4	11 +/- 1.4	5.6
JP-SC6-007	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.78 +/- 0.20	0.066 +/- 0.039 J	1.2 +/- 0.30	2.1 +/- 0.46	1.6 +/- 0.55
JP-SC6-007	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.97 +/- 0.24	0.055 +/- 0.035 J	2.3 +/- 0.52	3.3 +/- 0.72	2.3 +/- 0.79
JP-SC6-007	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.91 +/- 0.23	0.034 +/- 0.026 J	0.96 +/- 0.24	1.9 +/- 0.43	1.1 +/- 0.37
JP-SC6-008	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	5.7 +/- 1.6	0.69 +/- 0.32	64 +/- 16	70 +/- 17	11 +/- 4.1
JP-SC6-008	SAIC01D	0' to 0.5'	Alpha Spec.	pCi/g	0.92 +/- 0.23	0.042 +/- 0.029 J	0.91 +/- 0.22	1.9 +/- 0.42	0.99 +/- 0.34

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				Total Uranium	DU Presence U-238/U-234 Ratio Weight Percent U-235	
					U-234	U-235	U-238				
JP-SC6-008	SAIC01C	0' to 0.5'	Alpha Spec.	pCi/g	1.0 +/- 0.22	0.047 +/- 0.029	J	0.92 +/- 0.22	1.9 +/- 0.42	0.90 +/- 0.29	
JP-SC6-008	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	9.3	1.1 +/- 0.32		103 +/- 13	113 +/- 13	11	
JP-SC6-008	SAIC01D	0' to 0.5'	Gamma Spec.	pCi/g	66	0.92 +/- 0.28		66 +/- 9.7 UJ	133 +/- 9.7	ND	
JP-SC6-008	SAIC01C	0' to 0.5'	Gamma Spec.	pCi/g	38	1.0 +/- 0.21		79 +/- 7.8 UJ	118 +/- 7.8	ND	
JP-SC6-008	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.90 +/- 0.22	0.030 +/- 0.025	J	1.6 +/- 0.36	2.5 +/- 0.55	1.7 +/- 0.58	
JP-SC6-008	SAIC02D	0.5' to 1'	Alpha Spec.	pCi/g	0.83 +/- 0.21	0.063 +/- 0.037	J	2.0 +/- 0.46	2.9 +/- 0.64	2.4 +/- 0.82	
JP-SC6-008	SAIC02C	0.5' to 1'	Alpha Spec.	pCi/g	0.86 +/- 0.15	0.040 +/- 0.021	J	1.7 +/- 0.28	2.7 +/- 0.41	2.0 +/- 0.48	
JP-SC6-008	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	1.3	0.12 +/- 0.13	UJ	2.2 +/- 0.58	3.6 +/- 0.59	1.7	
JP-SC6-008	SAIC02D	0.5' to 1'	Gamma Spec.	pCi/g	0.50	0.092 +/- 0.13	UJ	1.2 +/- 0.62	1.8 +/- 0.63	2.4	
JP-SC6-008	SAIC02C	0.5' to 1'	Gamma Spec.	pCi/g	0.90	0.10 +/- 0.091	UJ	1.8 +/- 0.42	2.8 +/- 0.43	2.0	
JP-SC6-008	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.78 +/- 0.19	0.018 +/- 0.017	J	0.88 +/- 0.21	1.7 +/- 0.37	1.1 +/- 0.39	
JP-SC6-008	SAIC03D	1' to 2'	Alpha Spec.	pCi/g	0.77 +/- 0.19	0.043 +/- 0.029	J	1.1 +/- 0.27	1.9 +/- 0.43	1.4 +/- 0.50	
JP-SC6-008	SAIC03C	1' to 2'	Alpha Spec.	pCi/g	0.78 +/- 0.14	0.024 +/- 0.015	J	0.97 +/- 0.17	1.8 +/- 0.28	1.2 +/- 0.30	
JP-SC6-008	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.79 +/- 0.20	0.027 +/- 0.022	J	1.1 +/- 0.26	1.9 +/- 0.43	1.4 +/- 0.48	
JP-SC6-008	SAIC04D	2' to 4'	Alpha Spec.	pCi/g	0.86 +/- 0.21	0.048 +/- 0.030	J	1.2 +/- 0.27	2.1 +/- 0.45	1.4 +/- 0.46	
JP-SC6-008	SAIC04C	2' to 4'	Alpha Spec.	pCi/g	0.82 +/- 0.14	0.034 +/- 0.018	J	1.1 +/- 0.19	2.0 +/- 0.31	1.4 +/- 0.33	
JP-SC6-008	SAIC05	4' to 6'	Alpha Spec.	pCi/g	5.1 +/- 1.3	0.44 +/- 0.21		38 +/- 9.2	44 +/- 10	7.5 +/- 2.6	
JP-SC6-008	SAIC05D	4' to 6'	Alpha Spec.	pCi/g	0.77 +/- 0.19	0.038 +/- 0.028	J	0.82 +/- 0.20	1.6 +/- 0.37	1.1 +/- 0.38	
JP-SC6-008	SAIC05C	4' to 6'	Alpha Spec.	pCi/g	0.86 +/- 0.19	0.045 +/- 0.028	J	0.84 +/- 0.20	1.7 +/- 0.37	0.98 +/- 0.32	
JP-SC6-008	SAIC05	4' to 6'	Gamma Spec.	pCi/g	0.45	-8.0E-03 +/- 0.14	UJ	3.4 +/- 2.8 UJ	3.9 +/- 2.8	ND	
JP-SC6-009	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.69 +/- 0.17	0.038 +/- 0.027	J	0.83 +/- 0.20	1.6 +/- 0.35	1.2 +/- 0.42	
JP-SC6-009	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	1.2	0.075 +/- 0.14		1.5 +/- 2.5 UJ	2.8 +/- 2.5	ND	
JP-SC6-009	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.028 +/- 0.023	J	0.83 +/- 0.21	1.6 +/- 0.35	1.2 +/- 0.42	
JP-SC6-009	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	1.3	-3.0E-03 +/- 0.14	UJ	1.5 +/- 0.58	2.8 +/- 0.59	1.2	
JP-SC6-009	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.83 +/- 0.21	0.049 +/- 0.032	J	0.81 +/- 0.20	1.7 +/- 0.38	0.97 +/- 0.34	
JP-SC6-009	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.86 +/- 0.21	0.041 +/- 0.029	J	0.94 +/- 0.23	1.8 +/- 0.41	1.1 +/- 0.38	
JP-SC6-009	SAIC05	4' to 6'	Alpha Spec.	pCi/g	0.78 +/- 0.20	0.038 +/- 0.027	J	0.71 +/- 0.18	1.5 +/- 0.34	0.91 +/- 0.32	
JP-SC6-010	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.70 +/- 0.18	0.022 +/- 0.019	J	0.81 +/- 0.20	1.5 +/- 0.34	1.1 +/- 0.40	
JP-SC6-010	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	1.4	-1.7E-02 +/- 0.15	UJ	1.6 +/- 2.7 UJ	3.0 +/- 2.7	ND	
JP-SC6-010	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.74 +/- 0.18	0.059 +/- 0.035	J	0.70 +/- 0.18	1.5 +/- 0.34	0.95 +/- 0.34	
JP-SC6-010	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	1.2	-1.7E-02 +/- 0.14	UJ	1.2 +/- 2.5 UJ	2.4 +/- 2.5	ND	
JP-SC6-010	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.73 +/- 0.18	0.041 +/- 0.029	J	0.66 +/- 0.17	1.4 +/- 0.33	0.90 +/- 0.33	
JP-SC6-010	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.78 +/- 0.19	0.021 +/- 0.019	J	0.79 +/- 0.20	1.6 +/- 0.36	1.0 +/- 0.35	
JP-SC6-010	SAIC05	4' to 6'	Alpha Spec.	pCi/g	1.0 +/- 0.25	0.044 +/- 0.031	J	0.89 +/- 0.22	1.9 +/- 0.43	0.89 +/- 0.31	
JP-SC6-011	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.98 +/- 0.24	0.065 +/- 0.039	J	2.3 +/- 0.53	3.3 +/- 0.73	2.3 +/- 0.79	
JP-SC6-011	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	0.55	0.024 +/- 0.17	UJ	1.3 +/- 0.79 J	1.9 +/- 0.81	2.3	
JP-SC6-011	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.90 +/- 0.23	0.056 +/- 0.035	J	1.0 +/- 0.25	2.0 +/- 0.44	1.1 +/- 0.39	
JP-SC6-011	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	1.0	0.049 +/- 0.14	UJ	1.1 +/- 0.69 J	2.2 +/- 0.71	1.1	
JP-SC6-011	SAIC03	1' to 2'	Alpha Spec.	pCi/g	1.0 +/- 0.25	0.060 +/- 0.036	J	1.2 +/- 0.29	2.3 +/- 0.51	1.2 +/- 0.41	
JP-SC6-011	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.84 +/- 0.21	0.069 +/- 0.039	J	0.86 +/- 0.21	1.8 +/- 0.40	1.0 +/- 0.36	
JP-SC6-011	SAIC05	4' to 6'	Alpha Spec.	pCi/g	1.0 +/- 0.25	0.042 +/- 0.028	J	0.88 +/- 0.22	2.0 +/- 0.44	0.85 +/- 0.29	
JP-SC6-012	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	0.78 +/- 0.20	0.026 +/- 0.023	J	0.72 +/- 0.18	1.5 +/- 0.35	0.93 +/- 0.33	
JP-SC6-012	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	0.69	0.098 +/- 0.13	UJ	0.64 +/- 2.4 UJ	1.4 +/- 2.4	ND	
JP-SC6-012	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	0.71 +/- 0.18	0.028 +/- 0.023	J	0.75 +/- 0.19	1.5 +/- 0.34	1.1 +/- 0.38	
JP-SC6-012	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	-8.2E-01	-6.5E-02 +/- 0.13	UJ	-8.7E-01 +/- 2.7 UJ	-1.8E+00 +/- 2.7	ND	
JP-SC6-012	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.78 +/- 0.20	0.010 +/- 0.014	U	0.82 +/- 0.21	1.6 +/- 0.37	1.1 +/- 0.39	
JP-SC6-012	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.75 +/- 0.19	0.024 +/- 0.021	J	0.70 +/- 0.18	1.5 +/- 0.33	0.94 +/- 0.33	
Soil Under Penetrators – Avonsburg and Cobbsfork											
JP-PNAC-001	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	6,750 +/- 1,730	J	675 +/- 298	J	66,320 +/- 16,200	J	73,740 +/- 17,500
JP-PNAC-001	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	1,360		136 +/- 15		13,600 +/- 1,360		15,096 +/- 1,360
JP-PNAC-001	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	9.4 +/- 3.9	J	1.1 +/- 1.3	J	77 +/- 21	J	87 +/- 39
JP-PNAC-001	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	284		28 +/- 3.3		2,370 +/- 241		2,682 +/- 241
JP-PNAC-001	SAIC03	1' to 2'	Alpha Spec.	pCi/g	5.0 +/- 2.7	J	0.74 +/- 1.1	U	43 +/- 12	J	49 +/- 13
JP-PNAC-001	SAIC03	1' to 2'	Gamma Spec.	pCi/g	30		3.5 +/- 0.68		254 +/- 29		288 +/- 29

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				Total Uranium	DU Presence U-238/U-234 Ratio Weight Percent U-235	
					U-234	U-235	U-238				
JP-PNAC-001	SAIC04	2' to 4'	Alpha Spec.	pCi/g	29 +/- 8.5 J	5.1 +/- 3.1 J	240 +/- 54 J		274 +/- 61	8.3 +/- 3.1	
JP-PNAC-001	SAIC04	2' to 4'	Gamma Spec.	pCi/g	1.5	1.9 +/- 0.48	122 +/- 17		125 +/- 17	84	
JP-PNAC-001	SAIC05	0' to 4'	ICP-MS	mg/kg	0.0061 U	0.13	65 E		65	ND	
JP-PNAC-002	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	9,020 +/- 2,290 J	983 +/- 404 J	66,950 +/- 16,400 J		76,950 +/- 18,100	7.4 +/- 2.6	
JP-PNAC-002	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	1,552	124 +/- 14	11,940 +/- 1,200		13,616 +/- 1,200	7.7	
JP-PNAC-002	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	5.1 +/- 2.7 J	0.37 +/- 0.75 J	41 +/- 11 J		46 +/- 12	7.9 +/- 4.7	
JP-PNAC-002	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	201	19 +/- 2.3	1,540 +/- 159		1,760 +/- 159	7.7	
JP-PNAC-002	SAIC03	1' to 2'	Alpha Spec.	pCi/g	2.1 +/- 1.7 J	0 +/- 0.14 U	14 +/- 5.1 J		16 +/- 5.6	6.7 +/- 5.8	
JP-PNAC-002	SAIC03	1' to 2'	Gamma Spec.	pCi/g	11	1.3 +/- 0.38	70 +/- 12		82 +/- 12	6.7	
JP-PNAC-002	SAIC04	2' to 4'	Alpha Spec.	pCi/g	108 +/- 26 J	13 +/- 6.1	866 +/- 189 J		987 +/- 212	8.0 +/- 2.6	
JP-PNAC-002	SAIC04	2' to 4'	Gamma Spec.	pCi/g	5.7	0.35 +/- 0.28 J	47 +/- 8.2		53 +/- 8.2	8.3	
JP-PNAC-003	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	5,020 +/- 1,230 J	394 +/- 178	39,330 +/- 9,190 J		44,750 +/- 10,100	7.8 +/- 2.7	
JP-PNAC-003	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	1,786	136 +/- 15	13,740 +/- 1,380		15,662 +/- 1,380	7.7	
JP-PNAC-003	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	18 +/- 4.3	2.1 +/- 0.95	130 +/- 29		150 +/- 33	7.4 +/- 2.4	
JP-PNAC-003	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	306	31 +/- 3.6	2,350 +/- 239		2,687 +/- 239	7.7	
JP-PNAC-003	SAIC03	1' to 2'	Alpha Spec.	pCi/g	1.2 +/- 0.45	0.036 +/- 0.073 U	8.3 +/- 2.0		9.5 +/- 2.3	6.9 +/- 3.2	
JP-PNAC-003	SAIC03	1' to 2'	Gamma Spec.	pCi/g	30	2.8 +/- 0.58	195 +/- 24		228 +/- 24	6.4	
JP-PNAC-003	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.46 +/- 0.26 J	0.075 +/- 0.11 U	3.3 +/- 0.95		3.8 +/- 1.1	7.2 +/- 4.5	
JP-PNAC-003	SAIC04	2' to 4'	Gamma Spec.	pCi/g	4.7	0.48 +/- 0.33 J	34 +/- 9.1		39 +/- 9.1	7.1	
JP-PNAC-004	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	53 +/- 28 J	0 +/- 0.14 U	422 +/- 115 J		476 +/- 127	8.0 +/- 4.7	
JP-PNAC-004	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	1,007	91 +/- 9.4	7,700 +/- 775		8,798 +/- 775	7.6	
JP-PNAC-004	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	30 +/- 7.8 J	2.6 +/- 1.4 J	272 +/- 65 J		305 +/- 71	9.1 +/- 3.2	
JP-PNAC-004	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	131	14 +/- 1.8	1,190 +/- 123		1,335 +/- 123	9.1	
JP-PNAC-004	SAIC03	1' to 2'	Alpha Spec.	pCi/g	487 +/- 133 J	59 +/- 37 J	4,150 +/- 927 J		4,700 +/- 1,030	8.5 +/- 3.0	
JP-PNAC-004	SAIC03	1' to 2'	Gamma Spec.	pCi/g	8.6	0.91 +/- 0.15	71 +/- 7.8		81 +/- 7.8	8.3	
JP-PNAC-004	SAIC04	2' to 4'	Alpha Spec.	pCi/g	2.7 +/- 0.83 J	0.20 +/- 0.19 J	22 +/- 5.0 J		25 +/- 5.5	8.1 +/- 3.1	
JP-PNAC-004	SAIC04	2' to 4'	Gamma Spec.	pCi/g	6.7	0.91 +/- 0.38	56 +/- 9.8		63 +/- 9.8	8.3	
JP-PNAC-005	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	20 +/- 5.2	2.5 +/- 1.2	177 +/- 41		199 +/- 45	8.9 +/- 3.1	
JP-PNAC-005	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	410	47 +/- 5.0	3,720 +/- 377		4,176 +/- 377	9.1	
JP-PNAC-005	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	8.5 +/- 2.2	0.78 +/- 0.46 J	66 +/- 15		75 +/- 16	7.7 +/- 2.6	
JP-PNAC-005	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	230	22 +/- 2.7	1,770 +/- 183		2,022 +/- 183	7.7	
JP-PNAC-005	SAIC03	1' to 2'	Alpha Spec.	pCi/g	2.7 +/- 0.81	0.30 +/- 0.23 J	23 +/- 5.2		26 +/- 5.8	8.6 +/- 3.3	
JP-PNAC-005	SAIC03	1' to 2'	Gamma Spec.	pCi/g	15	1.4 +/- 0.49	125 +/- 18		141 +/- 18	8.3	
JP-PNAC-005	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.45 +/- 0.26 J	0.079 +/- 0.12 U	3.3 +/- 0.95		3.8 +/- 1.1	7.3 +/- 4.7	
JP-PNAC-005	SAIC04	2' to 4'	Gamma Spec.	pCi/g	6.3	0.80 +/- 0.28	45 +/- 9.3		52 +/- 9.3	7.1	
JP-PNAC-006	SAIC01	0.15' to 0.5'	Alpha Spec.	pCi/g	10,720 +/- 2,850 J	1,100 +/- 472 J	91,590 +/- 23,400 J		103,410 +/- 25,400	8.5 +/- 3.2	
JP-PNAC-006	SAIC01	0.15' to 0.5'	Gamma Spec.	pCi/g	3,904	198 +/- 21	25,820 +/- 2,580		29,922 +/- 2,580	6.6	
JP-PNAC-006	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	19 +/- 6.2 J	2.2 +/- 2.0 J	148 +/- 35 J		169 +/- 39	7.9 +/- 3.2	
JP-PNAC-006	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	340	31 +/- 3.5	2,610 +/- 266		2,980 +/- 266	7.7	
JP-PNAC-006	SAIC03	1' to 2'	Alpha Spec.	pCi/g	6.7 +/- 3.2 J	1.5 +/- 1.5 J	43 +/- 12 J		52 +/- 13	6.5 +/- 3.5	
JP-PNAC-006	SAIC03	1' to 2'	Gamma Spec.	pCi/g	31	2.4 +/- 0.56	207 +/- 25		240 +/- 25	6.7	
JP-PNAC-006	SAIC04	2' to 4'	Alpha Spec.	pCi/g	15 +/- 5.4 J	1.1 +/- 1.3 J	113 +/- 27 J		130 +/- 30	7.4 +/- 3.2	
JP-PNAC-006	SAIC04	2' to 4'	Gamma Spec.	pCi/g	8.5	0.88 +/- 0.36	65 +/- 11		75 +/- 11	7.7	
JP-PNAC-006	SAIC05	0' to 0.15'	Alpha Spec.	pCi/g	13,810 +/- 3,620 J	1,430 +/- 586 J	110,200 +/- 28,100 J		125,440 +/- 30,600	8.0 +/- 2.9	
JP-PNAC-006	SAIC05	0' to 0.15'	Gamma Spec.	pCi/g	3,619	221 +/- 23	27,840 +/- 2,790		31,680 +/- 2,790	7.7	
JP-PNAC-007	SAIC01	0.35' to 0.5'	Alpha Spec.	pCi/g	15,920 +/- 5,540 J	1,550 +/- 852 J	138,500 +/- 46,200 J		155,970 +/- 48,600	8.7 +/- 4.2	
JP-PNAC-007	SAIC01	0.35' to 0.5'	Gamma Spec.	pCi/g	1,189	107 +/- 12	10,810 +/- 1,090		12,106 +/- 1,090	9.1	
JP-PNAC-007	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	238 +/- 73 J	33 +/- 24 J	1,920 +/- 436 J		2,190 +/- 487	8.1 +/- 3.1	
JP-PNAC-007	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	48	6.5 +/- 1.2	553 +/- 62		607 +/- 62	12	
JP-PNAC-007	SAIC03	1' to 2'	Alpha Spec.	pCi/g	1,070 +/- 266 J	112 +/- 58 J	8,430 +/- 1,860 J		9,620 +/- 2,080	7.9 +/- 2.6	
JP-PNAC-007	SAIC03	1' to 2'	Gamma Spec.	pCi/g	18	1.7 +/- 0.48	139 +/- 17		159 +/- 17	7.6	
JP-PNAC-007	SAIC04	2' to 4'	Alpha Spec.	pCi/g	17 +/- 4.5 J	2.3 +/- 1.2 J	168 +/- 39 J		188 +/- 43	9.7 +/- 3.4	
JP-PNAC-007	SAIC04	2' to 4'	Gamma Spec.	pCi/g	11	1.7 +/- 0.53	114 +/- 18		127 +/- 18	10.0	
JP-PNAC-007	SAIC05	0' to 0.35'	Alpha Spec.	pCi/g	21,490 +/- 7,250 J	2,020 +/- 1,030 J	173,500 +/- 56,800 J		197,000 +/- 60,100	8.1 +/- 3.8	

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				DU Presence U-238/U-234 Ratio Weight Percent U-235
					U-234	U-235	U-238	Total Uranium	
JP-PNAC-007	SAIC05	0' to 0.35'	Gamma Spec.	pCi/g	3,236	247 +/- 25	25,850 +/- 2,580	29,333 +/- 2,580	8.0
JP-PNAC-008	SAIC01	0.25' to 0.5'	Alpha Spec.	pCi/g	2,840 +/- 715	356 +/- 161	22,080 +/- 5,130	25,280 +/- 5,710	7.8 +/- 2.7
JP-PNAC-008	SAIC01	0.25' to 0.5'	Gamma Spec.	pCi/g	2,466	162 +/- 17	18,970 +/- 1,890	21,598 +/- 1,890	7.7
JP-PNAC-008	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	53 +/- 14	5.2 +/- 2.5	404 +/- 100	463 +/- 110	7.6 +/- 2.7
JP-PNAC-008	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	387	36 +/- 4.1	2,960 +/- 301	3,382 +/- 301	7.7
JP-PNAC-008	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.26 +/- 0.19	0 +/- 0.14	1.4 +/- 0.52	1.6 +/- 0.57	5.3 +/- 4.4
JP-PNAC-008	SAIC03	1' to 2'	Gamma Spec.	pCi/g	496	32 +/- 3.5	2,610 +/- 264	3,137 +/- 264	5.3
JP-PNAC-008	SAIC04	2' to 4'	Alpha Spec.	pCi/g	0.32 +/- 0.21	0 +/- 0.14	2.7 +/- 0.82	3.1 +/- 0.88	8.7 +/- 6.3
JP-PNAC-008	SAIC04	2' to 4'	Gamma Spec.	pCi/g	2.4	0.35 +/- 0.24	21 +/- 7.3	24 +/- 7.3	9.1
JP-PNAC-008	SAIC05	0' to 0.25'	Alpha Spec.	pCi/g	4,400 +/- 1,130	373 +/- 183	34,130 +/- 8,190	38,900 +/- 9,040	7.8 +/- 2.7
JP-PNAC-008	SAIC05	0' to 0.25'	Gamma Spec.	pCi/g	4,651	262 +/- 28	35,780 +/- 3,580	40,693 +/- 3,580	7.7
JP-PNAC-009	SAIC01	0.5' to 1'	Alpha Spec.	pCi/g	83,940 +/- 34,100	7,090 +/- 3,640	629,400 +/- 253,000	720,430 +/- 264,000	7.5 +/- 4.3
JP-PNAC-009	SAIC01	0.5' to 1'	Gamma Spec.	pCi/g	1,240	80 +/- 8.5	8,830 +/- 885	10,149 +/- 885	7.1
JP-PNAC-009	SAIC02	1' to 1.5'	Alpha Spec.	pCi/g	19 +/- 6.5	2.0 +/- 1.9	159 +/- 37	180 +/- 41	8.2 +/- 3.4
JP-PNAC-009	SAIC02	1' to 1.5'	Gamma Spec.	pCi/g	51	5.2 +/- 0.88	424 +/- 47	480 +/- 47	8.3
JP-PNAC-009	SAIC03	1.5' to 2.5'	Alpha Spec.	pCi/g	26 +/- 7.9	1.5 +/- 1.6	176 +/- 40	204 +/- 46	6.8 +/- 2.6
JP-PNAC-009	SAIC03	1.5' to 2.5'	Gamma Spec.	pCi/g	19	1.3 +/- 0.47	126 +/- 18	146 +/- 18	6.7
JP-PNAC-009	SAIC04	2.5' to 4.5'	Alpha Spec.	pCi/g	116 +/- 28	13 +/- 6.3	1,070 +/- 235	1,200 +/- 258	9.2 +/- 3.0
JP-PNAC-009	SAIC04	2.5' to 4.5'	Gamma Spec.	pCi/g	53	4.3 +/- 0.51	479 +/- 48	537 +/- 48	9.0
JP-PNAC-009	SAIC05	0' to 0.3'	Alpha Spec.	pCi/g	12,990 +/- 3,080	1,390 +/- 507	104,500 +/- 24,200	118,880 +/- 26,800	8.0 +/- 2.7
JP-PNAC-009	SAIC05	0' to 0.3'	Gamma Spec.	pCi/g	2,298	169 +/- 18	19,150 +/- 1,910	21,617 +/- 1,910	8.3
JP-PNAC-010	SAIC01	0.15' to 0.5'	Alpha Spec.	pCi/g	5,990 +/- 1,660	710 +/- 337	50,530 +/- 13,100	57,230 +/- 14,200	8.4 +/- 3.2
JP-PNAC-010	SAIC01	0.15' to 0.5'	Gamma Spec.	pCi/g	1,864	126 +/- 14	15,450 +/- 1,550	17,440 +/- 1,550	8.3
JP-PNAC-010	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	6.9 +/- 1.7	0.69 +/- 0.39	58 +/- 13	66 +/- 14	8.4 +/- 2.8
JP-PNAC-010	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	59	6.5 +/- 1.1	490 +/- 53	555 +/- 53	7.3
JP-PNAC-010	SAIC03	1' to 2'	Alpha Spec.	pCi/g	117 +/- 46	11 +/- 14	839 +/- 206	967 +/- 231	8.2 +/- 3.3
JP-PNAC-010	SAIC03	1' to 2'	Gamma Spec.	pCi/g	247	21 +/- 2.5	1,760 +/- 180	2,027 +/- 180	7.1
JP-PNAC-010	SAIC04	2' to 4'	Alpha Spec.	pCi/g	4.2 +/- 1.1	0.36 +/- 0.25	35 +/- 7.8	40 +/- 8.7	8.4 +/- 3.0
JP-PNAC-010	SAIC04	2' to 4'	Gamma Spec.	pCi/g	21	2.1 +/- 0.44	171 +/- 21	194 +/- 21	8.3
JP-PNAC-010	SAIC05	0' to 0.15'	Alpha Spec.	pCi/g	11,690 +/- 3,560	1,230 +/- 608	105,600 +/- 30,600	118,520 +/- 32,600	9.0 +/- 3.8
JP-PNAC-010	SAIC05	0' to 0.15'	Gamma Spec.	pCi/g	1,125	170 +/- 18	14,710 +/- 1,480	16,005 +/- 1,480	13
Soil Under Penetrators – Cincinnati and Rossmoyne									
JP-PNCR-001	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	16,640 +/- 4,880	1,340 +/- 634	134,600 +/- 38,300	152,580 +/- 41,000	8.1 +/- 3.3
JP-PNCR-001	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	2,897	216 +/- 22	24,140 +/- 2,410	27,253 +/- 2,410	8.3
JP-PNCR-001	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	1,910 +/- 465	201 +/- 94	15,030 +/- 3,370	17,140 +/- 3,760	7.9 +/- 2.6
JP-PNCR-001	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	402	28 +/- 3.4	3,060 +/- 310	3,490 +/- 310	7.6
JP-PNCR-001	SAIC03	1' to 2'	Alpha Spec.	pCi/g	4.7 +/- 1.3	0.55 +/- 0.33	39 +/- 8.6	44 +/- 9.6	8.3 +/- 2.9
JP-PNCR-001	SAIC03	1' to 2'	Gamma Spec.	pCi/g	89	9.9 +/- 1.4	738 +/- 78	836 +/- 78	8.3
JP-PNCR-001	SAIC04	2' to 4'	Alpha Spec.	pCi/g	1.4 +/- 0.52	0.083 +/- 0.12	9.7 +/- 2.4	11 +/- 2.7	7.1 +/- 3.2
JP-PNCR-001	SAIC04	2' to 4'	Gamma Spec.	pCi/g	82	6.6 +/- 1.1	582 +/- 63	670 +/- 63	7.1
JP-PNCR-001	SAIC05	0' to 4'	ICP-MS	mg/kg	0.020	5.6	2,950	2,960	0.19
JP-PNCR-002	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	1,020 +/- 251	120 +/- 60	8,350 +/- 1,830	9,480 +/- 2,060	8.2 +/- 2.7
JP-PNCR-002	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	675	64 +/- 6.9	5,630 +/- 566	6,370 +/- 566	8.3
JP-PNCR-002	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	13 +/- 3.1	0.96 +/- 0.52	100 +/- 22	113 +/- 25	8.0 +/- 2.6
JP-PNCR-002	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	317	28 +/- 3.3	2,440 +/- 248	2,785 +/- 248	7.7
JP-PNCR-002	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.37 +/- 0.23	0 +/- 0.14	3.2 +/- 0.92	3.5 +/- 1.0	8.5 +/- 5.8
JP-PNCR-002	SAIC03	1' to 2'	Gamma Spec.	pCi/g	9.0	1.1 +/- 0.39	75 +/- 12	85 +/- 12	8.3
JP-PNCR-002	SAIC04	2' to 2.5'	Alpha Spec.	pCi/g	0.68 +/- 0.32	0 +/- 0.14	4.4 +/- 1.2	5.1 +/- 1.3	6.5 +/- 3.6
JP-PNCR-002	SAIC04	2' to 2.5'	Gamma Spec.	pCi/g	20	1.6 +/- 0.51	132 +/- 18	153 +/- 18	6.7
JP-PNCR-003	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	1,020 +/- 253	138 +/- 66	8,230 +/- 1,810	9,390 +/- 2,040	8.1 +/- 2.7
JP-PNCR-003	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	817	70 +/- 7.4	6,810 +/- 684	7,697 +/- 684	8.3
JP-PNCR-003	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	14 +/- 3.6	1.2 +/- 0.63	110 +/- 25	126 +/- 28	7.6 +/- 2.5
JP-PNCR-003	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	220	21 +/- 2.5	1,690 +/- 175	1,931 +/- 175	7.7
JP-PNCR-003	SAIC03	1' to 2'	Alpha Spec.	pCi/g	1.4 +/- 0.52	0.040 +/- 0.082	6.9 +/- 1.8	8.4 +/- 2.1	5.0 +/- 2.3

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				DU Presence U-238/U-234 Ratio Weight Percent U-235
					U-234	U-235	U-238	Total Uranium	
JP-PNCR-003	SAIC03	1' to 2'	Gamma Spec.	pCi/g	30	1.8 +/- 0.52	151 +/- 20	183 +/- 20	5.0
JP-PNCR-004	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	11,400 +/- 3,270 J	1,200 +/- 556 J	89,900 +/- 24,700 J	102,500 +/- 26,700	7.9 +/- 3.1
JP-PNCR-004	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	1,264	127 +/- 13	12,250 +/- 1,230	13,641 +/- 1,230	9.7
JP-PNCR-004	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	769 +/- 195 J	65 +/- 39 J	5,200 +/- 1,140 J	6,030 +/- 1,310	6.8 +/- 2.3
JP-PNCR-004	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	193	40 +/- 4.5	3,870 +/- 391	4,103 +/- 391	20
JP-PNCR-004	SAIC03	1' to 2'	Alpha Spec.	pCi/g	2.0 +/- 0.66 J	0.23 +/- 0.20 J	15 +/- 3.6 J	18 +/- 4.0	7.7 +/- 3.1
JP-PNCR-004	SAIC03	1' to 2'	Gamma Spec.	pCi/g	88	8.5 +/- 1.2	671 +/- 71	767 +/- 71	7.6
JP-PNCR-005	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	919 +/- 231	77 +/- 44 J	6,760 +/- 1,500	7,760 +/- 1,680	7.4 +/- 2.5
JP-PNCR-005	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	702	58 +/- 6.3	5,020 +/- 506	5,780 +/- 506	7.1
JP-PNCR-005	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	2.9 +/- 0.86	0.37 +/- 0.26 J	22 +/- 5.1	26 +/- 5.7	7.7 +/- 2.9
JP-PNCR-005	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	67	5.8 +/- 0.99	514 +/- 56	587 +/- 56	7.7
JP-PNCR-005	SAIC03	1' to 2'	Alpha Spec.	pCi/g	0.68 +/- 0.33	0.033 +/- 0.081 U	3.7 +/- 1.1	4.4 +/- 1.2	5.4 +/- 3.1
JP-PNCR-005	SAIC03	1' to 2'	Gamma Spec.	pCi/g	19	1.7 +/- 0.54	107 +/- 20	128 +/- 20	5.5
JP-PNCR-006	SAIC01	0' to 0.125'	Alpha Spec.	pCi/g	347 +/- 99	27 +/- 22 J	2,710 +/- 611	3,080 +/- 682	7.8 +/- 2.8
JP-PNCR-006	SAIC01D	0' to 0.125'	Alpha Spec.	pCi/g	1,400 +/- 339	136 +/- 67	11,140 +/- 2,460	12,680 +/- 2,750	8.0 +/- 2.6
JP-PNCR-006	SAIC01C	0' to 0.125'	Alpha Spec.	pCi/g	430 +/- 95	37 +/- 21	3,200 +/- 593	3,636 +/- 662	7.4 +/- 2.1
JP-PNCR-006	SAIC01	0' to 0.125'	Gamma Spec.	pCi/g	464	41 +/- 4.6	3,570 +/- 362	4,075 +/- 362	7.7
JP-PNCR-006	SAIC01D	0' to 0.125'	Gamma Spec.	pCi/g	1,024	82 +/- 8.8	7,880 +/- 791	8,986 +/- 791	7.7
JP-PNCR-006	SAIC01C	0' to 0.125'	Gamma Spec.	pCi/g	744	49 +/- 4.1	4,316 +/- 329	5,110 +/- 329	5.8
JP-PNCR-006	SAIC02	0.125' to 0.625'	Alpha Spec.	pCi/g	1,710 +/- 422	240 +/- 106	14,310 +/- 3,220	16,260 +/- 3,580	8.4 +/- 2.8
JP-PNCR-006	SAIC02D	0.125' to 0.625'	Alpha Spec.	pCi/g	1,580 +/- 385	168 +/- 81	12,760 +/- 2,830	14,500 +/- 3,160	8.1 +/- 2.7
JP-PNCR-006	SAIC02C	0.125' to 0.625'	Alpha Spec.	pCi/g	1,639 +/- 284	194 +/- 64	13,435 +/- 2,126	15,271 +/- 2,369	8.2 +/- 1.9
JP-PNCR-006	SAIC02	0.125' to 0.625'	Gamma Spec.	pCi/g	867	75 +/- 7.8	7,230 +/- 725	8,172 +/- 725	8.3
JP-PNCR-006	SAIC02D	0.125' to 0.625'	Gamma Spec.	pCi/g	839	73 +/- 7.6	6,990 +/- 702	7,902 +/- 702	8.3
JP-PNCR-006	SAIC02C	0.125' to 0.625'	Gamma Spec.	pCi/g	853	74 +/- 5.4	7,106 +/- 504	8,033 +/- 504	8.3
JP-PNCR-006	SAIC03	0.625' to 1.125'	Alpha Spec.	pCi/g	12 +/- 3.0	1.1 +/- 0.57	90 +/- 20	104 +/- 22	7.3 +/- 2.4
JP-PNCR-006	SAIC03D	0.625' to 1.125'	Alpha Spec.	pCi/g	8.2 +/- 2.0	0.82 +/- 0.45 J	68 +/- 15	76 +/- 16	8.3 +/- 2.7
JP-PNCR-006	SAIC03C	0.625' to 1.125'	Alpha Spec.	pCi/g	9.5 +/- 1.7	0.94 +/- 0.35 J	76 +/- 12	86 +/- 13	7.9 +/- 1.9
JP-PNCR-006	SAIC03	0.625' to 1.125'	Gamma Spec.	pCi/g	224	19 +/- 2.3	1,600 +/- 163	1,843 +/- 163	7.1
JP-PNCR-006	SAIC03D	0.625' to 1.125'	Gamma Spec.	pCi/g	161	16 +/- 2.0	1,340 +/- 138	1,517 +/- 138	8.3
JP-PNCR-006	SAIC03C	0.625' to 1.125'	Gamma Spec.	pCi/g	192	17 +/- 1.5	1,449 +/- 105	1,658 +/- 105	7.5
JP-PNCR-006	SAIC04	1.125' to 2.125'	Alpha Spec.	pCi/g	2.5 +/- 0.75	0.28 +/- 0.22 J	19 +/- 4.2	21 +/- 4.7	7.6 +/- 2.9
JP-PNCR-006	SAIC04D	1.125' to 2.125'	Alpha Spec.	pCi/g	57 +/- 29 J	3.6 +/- 7.2 U	518 +/- 135 J	578 +/- 147	9.0 +/- 5.1
JP-PNCR-006	SAIC04C	1.125' to 2.125'	Alpha Spec.	pCi/g	2.5 +/- 0.75 J	0.29 +/- 0.22 U	19 +/- 4.2 J	22 +/- 4.7	7.6 +/- 2.8
JP-PNCR-006	SAIC04	1.125' to 2.125'	Gamma Spec.	pCi/g	79	8.0 +/- 1.3	606 +/- 65	693 +/- 65	7.7
JP-PNCR-006	SAIC04D	1.125' to 2.125'	Gamma Spec.	pCi/g	86	8.3 +/- 1.3	784 +/- 83	879 +/- 83	9.1
JP-PNCR-006	SAIC04C	1.125' to 2.125'	Gamma Spec.	pCi/g	83	8.2 +/- 0.88	675 +/- 51	765 +/- 51	8.2
JP-PNCR-006	SAIC05	2.125' to 4.125'	Alpha Spec.	pCi/g	2.5 +/- 0.77	0.073 +/- 0.11 U	19 +/- 4.4	22 +/- 4.9	7.6 +/- 2.9
JP-PNCR-006	SAIC05D	2.125' to 4.125'	Alpha Spec.	pCi/g	11 +/- 2.7 J	0.88 +/- 0.52 J	73 +/- 16 J	84 +/- 19	6.9 +/- 2.3
JP-PNCR-006	SAIC05C	2.125' to 4.125'	Alpha Spec.	pCi/g	3.1 +/- 0.74 J	0.11 +/- 0.10 J	23 +/- 4.2 J	26 +/- 4.7	7.3 +/- 2.2
JP-PNCR-006	SAIC05	2.125' to 4.125'	Gamma Spec.	pCi/g	67	5.9 +/- 0.98	515 +/- 55	588 +/- 55	7.7
JP-PNCR-006	SAIC05D	2.125' to 4.125'	Gamma Spec.	pCi/g	65	5.3 +/- 0.91	433 +/- 48	503 +/- 48	6.7
JP-PNCR-006	SAIC05C	2.125' to 4.125'	Gamma Spec.	pCi/g	66	5.5 +/- 0.66	468 +/- 36	539 +/- 36	7.1
JP-PNCR-007	SAIC01	0' to 0.25'	Alpha Spec.	pCi/g	4.5 +/- 1.2	0.43 +/- 0.29 J	34 +/- 7.5	39 +/- 8.4	7.5 +/- 2.6
JP-PNCR-007	SAIC01	0' to 0.25'	Gamma Spec.	pCi/g	88	9.1 +/- 1.3	676 +/- 72	773 +/- 72	7.7
JP-PNCR-007	SAIC02	0.25' to 0.75'	Alpha Spec.	pCi/g	809 +/- 204	77 +/- 44 J	6,120 +/- 1,350	7,000 +/- 1,520	7.6 +/- 2.5
JP-PNCR-007	SAIC02	0.25' to 0.75'	Gamma Spec.	pCi/g	848	70 +/- 7.2	6,490 +/- 652	7,408 +/- 652	7.7
JP-PNCR-007	SAIC03	0.75' to 1.0'	Alpha Spec.	pCi/g	1.7 +/- 0.58	0.22 +/- 0.19 J	17 +/- 3.8	19 +/- 4.2	9.9 +/- 4.1
JP-PNCR-007	SAIC03	0.75' to 1.0'	Gamma Spec.	pCi/g	44	5.2 +/- 0.80	439 +/- 48	488 +/- 48	10.0
JP-PNCR-008	SAIC01	0' to 0.25'	Alpha Spec.	pCi/g	2,490 +/- 629	240 +/- 120	19,990 +/- 4,630	22,720 +/- 5,120	8.0 +/- 2.8
JP-PNCR-008	SAIC01	0' to 0.25'	Gamma Spec.	pCi/g	1,307	118 +/- 12	10,890 +/- 1,090	12,315 +/- 1,090	8.3
JP-PNCR-008	SAIC02	0.25' to 0.75'	Alpha Spec.	pCi/g	598 +/- 156	58 +/- 35 J	4,230 +/- 941	4,890 +/- 1,060	7.1 +/- 2.4
JP-PNCR-008	SAIC02	0.25' to 0.75'	Gamma Spec.	pCi/g	620	50 +/- 5.4	4,420 +/- 446	5,089 +/- 446	7.1
JP-PNCR-008	SAIC03	0.75' to 1.25'	Alpha Spec.	pCi/g	4.3 +/- 1.2	0.53 +/- 0.33 J	35 +/- 7.8	40 +/- 8.7	8.1 +/- 2.9

Total and Isotopic Uranium Results for Soil and Sediment Samples

Year 2010 Isotope Gamma Results for Soil and Sediment Samples										DU Presence		
Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				U-238/U-234 Ratio			
					U-234	U-235	U-238	Total Uranium	Weight Percent U-235			
JP-PNCR-008	SAIC03	0.75' to 1.25'	Gamma Spec.	pCi/g	56	5.9 +/- 1.0	466 +/- 52	528 +/- 52	8.3			
JP-PNCR-008	SAIC04	1.25' to 2.25'	Alpha Spec.	pCi/g	0.59 +/- 0.29	0.069 +/- 0.10	U	4.3 +/- 1.1	4.9 +/- 1.3	7.2 +/- 4.0		
JP-PNCR-008	SAIC04	1.25' to 2.25'	Gamma Spec.	pCi/g	16	1.4 +/- 0.42		116 +/- 16	134 +/- 16	7.2		
JP-PNCR-009	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	838 +/- 211	58 +/- 36	J	5,880 +/- 1,310	6,780 +/- 1,480	7.0 +/- 2.4		
JP-PNCR-009	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	908	74 +/- 7.9		6,490 +/- 652	7,472 +/- 652	7.1		
JP-PNCR-009	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	6.7 +/- 1.7	0.71 +/- 0.40	J	61 +/- 14	69 +/- 15	9.2 +/- 3.1		
JP-PNCR-009	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	238	26 +/- 3.2		2,170 +/- 223	2,435 +/- 223	9.1		
JP-PNCR-009	SAIC03	1' to 1.25'	Alpha Spec.	pCi/g	7.5 +/- 1.9	0.99 +/- 0.50		55 +/- 12	63 +/- 14	7.3 +/- 2.4		
JP-PNCR-009	SAIC03	1' to 1.25'	Gamma Spec.	pCi/g	174	16 +/- 2.2		1,240 +/- 130	1,430 +/- 130	7.1		
JP-PNCR-010	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	1,760 +/- 436	198 +/- 95		14,540 +/- 3,270	16,500 +/- 3,630	8.3 +/- 2.8		
JP-PNCR-010	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	1,463	120 +/- 13		12,190 +/- 1,220	13,773 +/- 1,220	8.3		
JP-PNCR-010	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	5.5 +/- 1.4	0.47 +/- 0.31	J	41 +/- 9.1	47 +/- 10	7.4 +/- 2.6		
JP-PNCR-010	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	54	4.9 +/- 0.84		417 +/- 46	476 +/- 46	7.7		
JP-PNCR-010	SAIC03	1' to 2'	Alpha Spec.	pCi/g	2.0 +/- 0.65	0.18 +/- 0.17	J	15 +/- 3.4	17 +/- 3.8	7.3 +/- 2.9		
JP-PNCR-010	SAIC03	1' to 2'	Gamma Spec.	pCi/g	85	8.3 +/- 1.3		605 +/- 66	698 +/- 66	7.1		
JP-PNCR-010	SAIC04	2' to 2.8'	Alpha Spec.	pCi/g	4.9 +/- 1.3	0.29 +/- 0.23	J	36 +/- 8.0	41 +/- 9.0	7.4 +/- 2.6		
JP-PNCR-010	SAIC04	2' to 2.8'	Gamma Spec.	pCi/g	73	7.2 +/- 1.2		561 +/- 61	641 +/- 61	7.7		
Soil Under Penetrators – Grayford and Ryker												
JP-PNGR-001	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	7,820 +/- 2,020	J	586 +/- 271	J	57,570 +/- 14,200	J	65,980 +/- 15,600	7.4 +/- 2.6
JP-PNGR-001	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	508		41 +/- 4.9		3,630 +/- 370		4,179 +/- 370	7.1
JP-PNGR-001	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	8.7 +/- 2.2		0.77 +/- 0.42	J	61 +/- 13		70 +/- 15	6.9 +/- 2.3
JP-PNGR-001	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	56		4.9 +/- 0.95		401 +/- 46		462 +/- 46	7.1
JP-PNGR-001	SAIC03	1' to 2'	Alpha Spec.	pCi/g	1.6 +/- 0.55		0.18 +/- 0.17	J	11 +/- 2.6		13 +/- 2.9	6.9 +/- 2.9
JP-PNGR-001	SAIC03	1' to 2'	Gamma Spec.	pCi/g	9.3		0.65 +/- 0.43	J	62 +/- 12		72 +/- 12	6.7
JP-PNGR-001	SAIC04	2' to 2.5'	Alpha Spec.	pCi/g	5.5 +/- 1.4		0.45 +/- 0.29	J	46 +/- 10		52 +/- 11	8.4 +/- 2.9
JP-PNGR-001	SAIC04	2' to 2.5'	Gamma Spec.	pCi/g	20		2.1 +/- 0.60		168 +/- 24		190 +/- 24	8.3
JP-PNGR-001	SAIC05	0' to 4'	ICP-MS	mg/kg	0.32		92		47,400	E	47,500	0.19
JP-PNGR-002	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	2,170 +/- 529		196 +/- 96		17,870 +/- 4,020		20,230 +/- 4,460	8.2 +/- 2.7
JP-PNGR-002	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	292		27 +/- 3.1		2,440 +/- 248		2,760 +/- 248	8.3
JP-PNGR-002	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	3.3 +/- 0.95		0.32 +/- 0.25	J	26 +/- 5.9		30 +/- 6.6	7.9 +/- 2.9
JP-PNGR-002	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	19		1.9 +/- 0.53		144 +/- 20		165 +/- 20	7.7
JP-PNGR-002	SAIC03	1' to 2'	Alpha Spec.	pCi/g	5.3 +/- 1.4		0.50 +/- 0.31	J	41 +/- 9.2		47 +/- 10	7.8 +/- 2.7
JP-PNGR-002	SAIC03	1' to 2'	Gamma Spec.	pCi/g	33		3.0 +/- 0.72		251 +/- 31		287 +/- 31	7.7
JP-PNGR-003	SAIC01	0' to 0.5'	Alpha Spec.	pCi/g	2,940 +/- 722		343 +/- 153		20,740 +/- 4,750		24,020 +/- 5,360	7.1 +/- 2.4
JP-PNGR-003	SAIC01D	0' to 0.5'	Alpha Spec.	pCi/g	4,030 +/- 1,010		371 +/- 172		30,790 +/- 7,250		35,190 +/- 8,020	7.6 +/- 2.6
JP-PNGR-003	SAIC01C	0' to 0.5'	Alpha Spec.	pCi/g	3,309 +/- 587		355 +/- 114		23,758 +/- 3,973		27,469 +/- 4,456	7.2 +/- 1.8
JP-PNGR-003	SAIC01	0' to 0.5'	Gamma Spec.	pCi/g	423		35 +/- 3.9		3,020 +/- 306		3,478 +/- 306	7.1
JP-PNGR-003	SAIC01D	0' to 0.5'	Gamma Spec.	pCi/g	238		23 +/- 3.0		1,830 +/- 189		2,091 +/- 189	7.7
JP-PNGR-003	SAIC01C	0' to 0.5'	Gamma Spec.	pCi/g	331		27 +/- 2.4		2,159 +/- 161		2,517 +/- 161	6.5
JP-PNGR-003	SAIC02	0.5' to 1'	Alpha Spec.	pCi/g	30 +/- 7.4		2.8 +/- 1.4		219 +/- 51		252 +/- 57	7.3 +/- 2.5
JP-PNGR-003	SAIC02D	0.5' to 1'	Alpha Spec.	pCi/g	15 +/- 3.6		1.4 +/- 0.70	J	104 +/- 23		120 +/- 26	7.2 +/- 2.4
JP-PNGR-003	SAIC02C	0.5' to 1'	Alpha Spec.	pCi/g	17 +/- 3.2		1.7 +/- 0.62	J	124 +/- 21		143 +/- 24	7.1 +/- 1.8
JP-PNGR-003	SAIC02	0.5' to 1'	Gamma Spec.	pCi/g	65		5.9 +/- 0.89		465 +/- 51		536 +/- 51	7.1
JP-PNGR-003	SAIC02D	0.5' to 1'	Gamma Spec.	pCi/g	66		5.6 +/- 1.0		470 +/- 51		541 +/- 51	7.1
JP-PNGR-003	SAIC02C	0.5' to 1'	Gamma Spec.	pCi/g	66		5.7 +/- 0.67		467 +/- 36		539 +/- 36	7.1
JP-PNGR-003	SAIC03	1' to 2'	Alpha Spec.	pCi/g	23 +/- 5.7		2.0 +/- 0.99		168 +/- 38		193 +/- 43	7.3 +/- 2.4
JP-PNGR-003	SAIC03D	1' to 2'	Alpha Spec.	pCi/g	11 +/- 2.7		0.76 +/- 0.44	J	81 +/- 18		93 +/- 20	7.5 +/- 2.5
JP-PNGR-003	SAIC03C	1' to 2'	Alpha Spec.	pCi/g	13 +/- 2.4		0.96 +/- 0.40	J	97 +/- 16		111 +/- 18	7.5 +/- 1.9
JP-PNGR-003	SAIC03	1' to 2'	Gamma Spec.	pCi/g	67		5.9 +/- 0.94		481 +/- 52		554 +/- 52	7.1
JP-PNGR-003	SAIC03D	1' to 2'	Gamma Spec.	pCi/g	33		3.3 +/- 0.67		250 +/- 29		286 +/- 29	7.7
JP-PNGR-003	SAIC03C	1' to 2'	Gamma Spec.	pCi/g	50		4.2 +/- 0.55		306 +/- 26		360 +/- 26	6.1
JP-PNGR-003	SAIC04	2' to 2.5'	Alpha Spec.	pCi/g	9.4 +/- 2.3		0.67 +/- 0.40	J	62 +/- 14		72 +/- 16	6.6 +/- 2.2
JP-PNGR-003	SAIC04D	2' to 2.5'	Alpha Spec.	pCi/g	3.6 +/- 0.99		0.43 +/- 0.27	J	23 +/- 5.2		27 +/- 6.0	6.5 +/- 2.3
JP-PNGR-003	SAIC04C	2' to 2.5'	Alpha Spec.	pCi/g	4.5 +/- 0.91		0.50 +/- 0.22	J	28 +/- 4.9		33 +/- 5.6	6.3 +/- 1.7

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				DU Presence U-238/U-234 Ratio Weight Percent U-235
					U-234	U-235	U-238	Total Uranium	
JP-PNGR-003	SAIC04	2' to 2.5'	Gamma Spec.	pCi/g	37	3.5 +/- 0.72	248 +/- 29	289 +/- 29	6.7
JP-PNGR-003	SAIC04D	2' to 2.5'	Gamma Spec.	pCi/g	20	1.9 +/- 0.52	131 +/- 18	153 +/- 18	6.7
JP-PNGR-003	SAIC04C	2' to 2.5'	Gamma Spec.	pCi/g	28	2.4 +/- 0.42	163 +/- 15	194 +/- 15	5.7
JP-PNGR-004	SAIC01	0.5' to 1'	Alpha Spec.	pCi/g	2,500 +/- 621	225 +/- 110	18,830 +/- 4,320	21,560 +/- 4,820	7.5 +/- 2.5
JP-PNGR-004	SAIC01	0.5' to 1'	Gamma Spec.	pCi/g	234	19 +/- 2.3	1,800 +/- 183	2,053 +/- 183	7.7
JP-PNGR-004	SAIC02	1' to 1.5'	Alpha Spec.	pCi/g	53 +/- 14	6.2 +/- 2.7	412 +/- 100	471 +/- 110	7.8 +/- 2.7
JP-PNGR-004	SAIC02	1' to 1.5'	Gamma Spec.	pCi/g	153	15 +/- 2.0	1,170 +/- 123	1,337 +/- 123	7.7
JP-PNGR-004	SAIC03	1.5' to 2.5'	Alpha Spec.	pCi/g	26 +/- 6.5	2.9 +/- 1.3	210 +/- 48	239 +/- 53	8.0 +/- 2.7
JP-PNGR-004	SAIC03	1.5' to 2.5'	Gamma Spec.	pCi/g	-1.7E-01	0.048 +/- 0.14	-1.4E+00 +/- 2.8	--	8.4
JP-PNGR-004	SAIC04	0' to 0.5'	Alpha Spec.	pCi/g	12,940 +/- 3,660	1,440 +/- 640	103,700 +/- 28,200	118,080 +/- 30,500	8.0 +/- 3.1
JP-PNGR-004	SAIC04	0' to 0.5'	Gamma Spec.	pCi/g	1,330	104 +/- 11	11,060 +/- 1,100	12,494 +/- 1,100	8.3
Till Samples									
JP-KAC-011	SAIC01	10' to 16'	Alpha Spec.	pCi/g	0.57 +/- 0.11	0.026 +/- 0.025	0.65 +/- 0.12	1.2 +/- 0.16	1.1 +/- 0.30
JP-KAC-011	SAIC01D	10' to 16'	Alpha Spec.	pCi/g	0.49 +/- 0.096	0.024 +/- 0.022	0.59 +/- 0.11	1.1 +/- 0.15	1.2 +/- 0.33
JP-KAC-011	SAIC01C	10' to 16'	Alpha Spec.	pCi/g	0.52 +/- 0.072	0.025 +/- 0.016	0.62 +/- 0.081	1.2 +/- 0.11	1.2 +/- 0.22
JP-KAC-011	SAIC01R	10' to 16'	ICP-MS	mg/kg	0.0058	0.0033	0.46	0.46	ND
JP-KAC-012	SAIC01	10' to 18'	Alpha Spec.	pCi/g	0.48 +/- 0.11	0.031 +/- 0.028	0.72 +/- 0.13	1.2 +/- 0.17	1.5 +/- 0.44
JP-KAC-012	SAIC01R	10' to 18'	ICP-MS	mg/kg	0.0057	0.0056	0.75	0.76	ND
JP-KAC-013	SAIC01	10' to 16'	Alpha Spec.	pCi/g	0.59 +/- 0.11	0.032 +/- 0.026	0.55 +/- 0.10	1.2 +/- 0.15	0.93 +/- 0.24
JP-KAC-013	SAIC01R	10' to 16'	ICP-MS	mg/kg	0.0058	0.0031	0.45	0.45	ND
JP-KCR-011	SAIC01	10' to 16'	Alpha Spec.	pCi/g	1.0 +/- 0.16	0.041 +/- 0.031	1.2 +/- 0.17	2.2 +/- 0.24	1.1 +/- 0.25
JP-KCR-011	SAIC01R	10' to 16'	ICP-MS	mg/kg	0.0061	0.0093	1.3	1.3	ND
JP-KCR-012	SAIC01	8' to 14'	Alpha Spec.	pCi/g	0.20 +/- 0.060	0.015 +/- 0.018	0.31 +/- 0.076	0.53 +/- 0.098	1.5 +/- 0.59
JP-KCR-012	SAIC01R	8' to 14'	ICP-MS	mg/kg	0.0062	0.0065	0.90	0.91	ND
JP-KCR-012	SAIC01DR	8' to 14'	ICP-MS	mg/kg	0.0057	0.0082	1.1	1.2	ND
JP-KCR-012	SAIC01RC	8' to 14'	ICP-MS	mg/kg	0.0060	0.0074	1.0	1.1	ND
JP-KGR-005	SAIC01	6' to 10'	Alpha Spec.	pCi/g	0.45 +/- 0.098	0.025 +/- 0.025	0.63 +/- 0.12	1.1 +/- 0.16	1.4 +/- 0.41
JP-KGR-005	SAIC01R	6' to 10'	ICP-MS	mg/kg	0.0070	0.0066	0.92	0.93	ND
JP-KGR-005	SAIC01DR	6' to 10'	ICP-MS	mg/kg	0.0067	0.0038	0.54	0.55	ND
JP-KGR-005	SAIC01RC	6' to 10'	ICP-MS	mg/kg	0.0069	0.0052	0.73	0.74	ND
Historical ERM Samples									
SS-DU-001	SAIC0498	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.60 +/- 2.0	0.60 +/- 2.0	ND
SS-DU-001	SAIC0499	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 1.0	2.0 +/- 1.0	ND
SS-DU-001	SAIC1099	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 2.0	2.0 +/- 2.0	ND
SS-DU-001	SAIC1099D	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 2.0	2.0 +/- 2.0	ND
SS-DU-001	SAIC1099C	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 1.4	2.0 +/- 1.4	ND
SS-DU-001	SAIC0400	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 1.0	2.0 +/- 1.0	ND
SS-DU-001	SAIC1000	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.0 +/- 2.0	1.0 +/- 2.0	ND
SS-DU-001	SAIC0401	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 2.0	2.0 +/- 2.0	ND
SS-DU-001	SAIC1001	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 2.0	2.0 +/- 2.0	ND
SS-DU-001	SAIC0402	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.0 +/- 1.0	1.0 +/- 1.0	ND
SS-DU-001	SAIC1002	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.0 +/- 2.0	1.0 +/- 2.0	ND
SS-DU-001	SAIC0403	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.31 +/- 0.17	0.31 +/- 0.17	ND
SS-DU-001	SAIC01	Surface	Alpha Spec.	pCi/g	0.82 +/- 0.16	0.030 +/- 0.022	0.80 +/- 0.16	1.7 +/- 0.23	0.98 +/- 0.27
SS-DU-001	SAIC01D	Surface	Alpha Spec.	pCi/g	0.76 +/- 0.15	0.021 +/- 0.018	0.82 +/- 0.16	1.6 +/- 0.22	1.1 +/- 0.30
SS-DU-001	SAIC01C	Surface	Alpha Spec.	pCi/g	0.79 +/- 0.11	0.025 +/- 0.014	0.81 +/- 0.11	1.6 +/- 0.16	1.0 +/- 0.20
SS-DU-001	SAIC02	Surface	Alpha Spec.	pCi/g	0.86 +/- 0.26	0.017 +/- 0.060	0.84 +/- 0.26	1.7 +/- 0.37	ND
SS-DU-001	SAIC02D	Surface	Alpha Spec.	pCi/g	0.81 +/- 0.24	0.077 +/- 0.077	0.89 +/- 0.26	1.8 +/- 0.36	ND
SS-DU-001	SAIC02C	Surface	Alpha Spec.	pCi/g	0.83 +/- 0.18	0.040 +/- 0.047	0.87 +/- 0.18	1.7 +/- 0.26	ND
SS-DU-001	SAIC03	Surface	Alpha Spec.	pCi/g	0.95 +/- 0.28	0.11 +/- 0.097	0.71 +/- 0.24	1.8 +/- 0.38	ND
SS-DU-001	SAIC03D	Surface	Alpha Spec.	pCi/g	1.0 +/- 0.32	0.099 +/- 0.094	1.1 +/- 0.33	2.2 +/- 0.47	ND
SS-DU-001	SAIC03C	Surface	Alpha Spec.	pCi/g	0.99 +/- 0.21	0.10 +/- 0.067	0.85 +/- 0.19	2.0 +/- 0.30	ND
SS-DU-001	SAIC04	Surface	Alpha Spec.	pCi/g	1.0 +/- 0.22	0.023 +/- 0.023	0.92 +/- 0.20	2.0 +/- 0.30	ND
SS-DU-001	SAIC05	Surface	Alpha Spec.	pCi/g	0.87 +/- 0.30	0.037 +/- 0.079	1.1 +/- 0.33	2.0 +/- 0.45	ND

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				Total Uranium	DU Presence U-238/U-234 Ratio Weight Percent U-235	
					U-234	U-235	U-238				
SS-DU-001	SAIC06	Surface	Alpha Spec.	pCi/g	0.93 +/- 0.21	0.050 +/- 0.038	J		0.95 +/- 0.21	1.9 +/- 0.30	1.0 +/- 0.32
SS-DU-001	SAIC07	Surface	Alpha Spec.	pCi/g	0.84 +/- 0.19	0.041 +/- 0.031	J		0.81 +/- 0.19	1.7 +/- 0.27	0.96 +/- 0.31
SS-DU-001	SAIC07D	Surface	Alpha Spec.	pCi/g	0.82 +/- 0.18	0.047 +/- 0.032	J		1.0 +/- 0.22	1.9 +/- 0.29	1.3 +/- 0.39
SS-DU-001	SAIC07C	Surface	Alpha Spec.	pCi/g	0.83 +/- 0.13	0.044 +/- 0.022	J		0.91 +/- 0.14	1.8 +/- 0.20	1.1 +/- 0.24
SS-DU-001	SAIC08	Surface	Alpha Spec.	pCi/g	0.82 +/- 0.19	0.090 +/- 0.052	J		0.88 +/- 0.20	1.8 +/- 0.28	1.1 +/- 0.35
SS-DU-001	SAIC09E	Surface	Alpha Spec.	pCi/g	1.0 +/- 0.33	0.018 +/- 0.036	U		0.97 +/- 0.32	2.0 +/- 0.54	0.95 +/- 0.44
SS-DU-001	SAIC10E	Surface	Alpha Spec.	pCi/g	0.82 +/- 0.20	0.032 +/- 0.022	J	J	0.72 +/- 0.18	1.6 +/- 0.35	0.87 +/- 0.30
SS-DU-001	SAIC11E	Surface	Alpha Spec.	pCi/g	0.63 +/- 0.12	0.019 +/- 0.024	U		0.71 +/- 0.13	1.4 +/- 0.18	1.1 +/- 0.30
SS-DU-001	SAIC12E	Surface	Alpha Spec.	pCi/g	0.80 +/- 0.13	0.034 +/- 0.028	J		0.77 +/- 0.13	1.6 +/- 0.19	0.96 +/- 0.23
SS-DU-001	SAIC13E	Surface	Alpha Spec.	pCi/g	0.83 +/- 0.14	0.053 +/- 0.035	J		0.87 +/- 0.14	1.8 +/- 0.20	1.0 +/- 0.24
SS-DU-001	SAIC14E	Surface	Alpha Spec.	pCi/g	0.66 +/- 0.11	0.046 +/- 0.030	J		0.80 +/- 0.13	1.5 +/- 0.17	1.2 +/- 0.28
SS-DU-001	SAIC15E	Surface	Alpha Spec.	pCi/g	0.71 +/- 0.13	0.023 +/- 0.025	U		0.65 +/- 0.12	1.4 +/- 0.18	0.92 +/- 0.24
SS-DU-001	SAIC16E	Surface	Alpha Spec.	pCi/g	0.76 +/- 0.13	0.024 +/- 0.022	J		0.62 +/- 0.11	1.4 +/- 0.17	0.82 +/- 0.20
SS-DU-001	SAIC17E	Surface	Alpha Spec.	pCi/g	0.56 +/- 0.11	0.044 +/- 0.032	J		0.55 +/- 0.11	1.2 +/- 0.16	0.98 +/- 0.28
SS-DU-001	SAIC18E	Surface	Alpha Spec.	pCi/g	0.65 +/- 0.12	0.038 +/- 0.029	J		0.62 +/- 0.11	1.3 +/- 0.17	0.95 +/- 0.24
SS-DU-002	SAIC0498	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	J	2.0 +/- 2.0	J	ND
SS-DU-002	SAIC0499	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	U	0.60 +/- 2.0	U	ND
SS-DU-002	SAIC1099	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--		2.0 +/- 1.0		ND
SS-DU-002	SAIC0400	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--		1.0 +/- 1.0		ND
SS-DU-002	SAIC1000	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	U	1.0 +/- 2.0	U	ND
SS-DU-002	SAIC0401	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--		2.0 +/- 2.0		ND
SS-DU-002	SAIC1001	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--		2.0 +/- 2.0		ND
SS-DU-002	SAIC0402	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	J	2.0 +/- 2.0	J	ND
SS-DU-002	SAIC1002	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	U	1.0 +/- 2.0	U	ND
SS-DU-002	SAIC0403	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	U	0.15 +/- 0.13	U	ND
SS-DU-002	SAIC01	Surface	Alpha Spec.	pCi/g	0.70 +/- 0.14	0.041 +/- 0.025	J		0.76 +/- 0.15	1.5 +/- 0.21	1.1 +/- 0.31
SS-DU-002	SAIC02	Surface	Alpha Spec.	pCi/g	0.59 +/- 0.21	0.050 +/- 0.060	J	J	0.74 +/- 0.23		ND
SS-DU-002	SAIC03	Surface	Alpha Spec.	pCi/g	0.66 +/- 0.23	0.12 +/- 0.10	J	LT	0.68 +/- 0.23	1.5 +/- 0.34	ND
SS-DU-002	SAIC04	Surface	Alpha Spec.	pCi/g	0.79 +/- 0.18	0.035 +/- 0.031	J	LT	0.88 +/- 0.20	1.7 +/- 0.27	ND
SS-DU-002	SAIC05	Surface	Alpha Spec.	pCi/g	0.76 +/- 0.27	0.054 +/- 0.077	U	LT	0.86 +/- 0.29	1.7 +/- 0.40	ND
SS-DU-002	SAIC05D	Surface	Alpha Spec.	pCi/g	0.84 +/- 0.28	0.010 +/- 0.075	U	LT	0.81 +/- 0.28	1.7 +/- 0.40	ND
SS-DU-002	SAIC05C	Surface	Alpha Spec.	pCi/g	0.80 +/- 0.19	0.031 +/- 0.054	U	LT	0.83 +/- 0.20	1.7 +/- 0.28	ND
SS-DU-002	SAIC06	Surface	Alpha Spec.	pCi/g	0.77 +/- 0.18	0.042 +/- 0.034	J		0.73 +/- 0.17	1.5 +/- 0.25	0.95 +/- 0.31
SS-DU-002	SAIC07	Surface	Alpha Spec.	pCi/g	0.83 +/- 0.18	0.048 +/- 0.031	J		0.85 +/- 0.19	1.7 +/- 0.26	1.0 +/- 0.32
SS-DU-002	SAIC08	Surface	Alpha Spec.	pCi/g	0.87 +/- 0.20	0.047 +/- 0.036	J		0.68 +/- 0.16	1.6 +/- 0.26	0.78 +/- 0.26
SS-DU-002	SAIC09E	Surface	Alpha Spec.	pCi/g	1.0 +/- 0.33	0.035 +/- 0.051	U		0.77 +/- 0.27	1.8 +/- 0.50	0.77 +/- 0.37
SS-DU-002	SAIC09ED	Surface	Alpha Spec.	pCi/g	0.80 +/- 0.28	0.054 +/- 0.064	J		0.87 +/- 0.29	1.7 +/- 0.48	1.1 +/- 0.53
SS-DU-002	SAIC09EC	Surface	Alpha Spec.	pCi/g	0.88 +/- 0.21	0.042 +/- 0.040	J		0.81 +/- 0.20	1.8 +/- 0.35	0.92 +/- 0.32
SS-DU-002	SAIC10E	Surface	Alpha Spec.	pCi/g	0.15 +/- 0.052	0.0040 +/- 0.0070	U		0.21 +/- 0.067	0.36 +/- 0.099	1.4 +/- 0.68
SS-DU-002	SAIC10DE	Surface	Alpha Spec.	pCi/g	0.75 +/- 0.18	0.017 +/- 0.016	J		0.85 +/- 0.20	1.6 +/- 0.36	1.1 +/- 0.39
SS-DU-002	SAIC10EC	Surface	Alpha Spec.	pCi/g	0.19 +/- 0.050	0.0061 +/- 0.0064	J		0.27 +/- 0.064	0.45 +/- 0.095	1.4 +/- 0.50
SS-DU-002	SAIC11E	Surface	Alpha Spec.	pCi/g	0.91 +/- 0.15	0.074 +/- 0.042	J		0.85 +/- 0.14	1.8 +/- 0.21	0.93 +/- 0.22
SS-DU-002	SAIC12E	Surface	Alpha Spec.	pCi/g	1.0 +/- 0.18	0.053 +/- 0.042	J		1.0 +/- 0.18	2.1 +/- 0.26	1.0 +/- 0.25
SS-DU-002	SAIC12DE	Surface	Alpha Spec.	pCi/g	0.99 +/- 0.17	0.045 +/- 0.039	J		0.89 +/- 0.16	1.9 +/- 0.24	0.90 +/- 0.22
SS-DU-002	SAIC12EC	Surface	Alpha Spec.	pCi/g	1.00 +/- 0.12	0.049 +/- 0.029	J		0.94 +/- 0.12	2.0 +/- 0.17	0.94 +/- 0.17
SS-DU-002	SAIC13E	Surface	Alpha Spec.	pCi/g	0.76 +/- 0.13	0.038 +/- 0.029	J		0.83 +/- 0.13	1.6 +/- 0.19	1.1 +/- 0.25
SS-DU-002	SAIC13DE	Surface	Alpha Spec.	pCi/g	0.79 +/- 0.13	0.033 +/- 0.028	J		0.94 +/- 0.15	1.8 +/- 0.20	1.2 +/- 0.27
SS-DU-002	SAIC13EC	Surface	Alpha Spec.	pCi/g	0.78 +/- 0.092	0.035 +/- 0.020	J		0.88 +/- 0.098	1.7 +/- 0.14	1.1 +/- 0.18
SS-DU-002	SAIC14E	Surface	Alpha Spec.	pCi/g	0.79 +/- 0.13	0.032 +/- 0.026	J		0.80 +/- 0.13	1.6 +/- 0.19	1.0 +/- 0.23
SS-DU-002	SAIC15E	Surface	Alpha Spec.	pCi/g	0.88 +/- 0.15	0.057 +/- 0.037	J		0.92 +/- 0.15	1.9 +/- 0.22	1.0 +/- 0.25
SS-DU-002	SAIC16E	Surface	Alpha Spec.	pCi/g	0.68 +/- 0.11	0.027 +/- 0.022	J		0.74 +/- 0.12	1.4 +/- 0.16	1.1 +/- 0.25
SS-DU-002	SAIC17E	Surface	Alpha Spec.	pCi/g	0.76 +/- 0.13	0.014 +/- 0.017	U		0.75 +/- 0.13	1.5 +/- 0.18	0.99 +/- 0.24
SS-DU-002	SAIC18E	Surface	Alpha Spec.	pCi/g	0.69 +/- 0.12	0.039 +/- 0.028	J		0.69 +/- 0.12	1.4 +/- 0.17	1.0 +/- 0.25
SS-DU-003	SAIC0498	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--		1.0 +/- 2.0	1.0 +/- 2.0	ND

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)							DU Presence	
					U-234		U-235		U-238		Total Uranium	U-238/U-234 Ratio	Weight Percent U-235
SS-DU-003	SAIC0499	Surface	Gamma Spec.*	pCi/g	--	--	--	--	2.0 +/- 2.0	J	2.0 +/- 2.0	J	ND
SS-DU-003	SAIC0499D	Surface	Gamma Spec.*	pCi/g	--	--	--	--	3.0 +/- 2.0	J	3.0 +/- 2.0	J	ND
SS-DU-003	SAIC0499C	Surface	Gamma Spec.*	pCi/g	--	--	--	--	2.5 +/- 1.4	J	2.5 +/- 1.4	J	ND
SS-DU-003	SAIC1099	Surface	Gamma Spec.*	pCi/g	--	--	--	--	0.40 +/- 2.0	U	0.40 +/- 2.0	U	ND
SS-DU-003	SAIC0400	Surface	Gamma Spec.*	pCi/g	--	--	--	--	0.50 +/- 1.0		0.50 +/- 1.0		ND
SS-DU-003	SAIC1000	Surface	Gamma Spec.*	pCi/g	--	--	--	--	1.0 +/- 2.0	U	1.0 +/- 2.0	U	ND
SS-DU-003	SAIC0401	Surface	Gamma Spec.*	pCi/g	--	--	--	--	2.0 +/- 2.0		2.0 +/- 2.0		ND
SS-DU-003	SAIC1001	Surface	Gamma Spec.*	pCi/g	--	--	--	--	5.0 +/- 1.0		5.0 +/- 1.0		ND
SS-DU-003	SAIC0402	Surface	Gamma Spec.*	pCi/g	--	--	--	--	1.0 +/- 1.0		1.0 +/- 1.0		ND
SS-DU-003	SAIC1002	Surface	Gamma Spec.*	pCi/g	--	--	--	--	1.0 +/- 2.0	U	1.0 +/- 2.0	U	ND
SS-DU-003	SAIC0403	Surface	Gamma Spec.*	pCi/g	--	--	--	--	0.13 +/- 0.11	U	0.13 +/- 0.11	U	ND
SS-DU-003	SAIC01	Surface	Alpha Spec.	pCi/g	0.72 +/- 0.15		0.033 +/- 0.024	J	0.84 +/- 0.17		1.6 +/- 0.23		1.2 +/- 0.34
SS-DU-003	SAIC02	Surface	Alpha Spec.	pCi/g	0.49 +/- 0.18	LT	0.049 +/- 0.059	J	0.81 +/- 0.25	J	1.3 +/- 0.31		ND
SS-DU-003	SAIC03	Surface	Alpha Spec.	pCi/g	0.81 +/- 0.27	J	0.17 +/- 0.12	J	0.69 +/- 0.24	LT	1.7 +/- 0.38		ND
SS-DU-003	SAIC04	Surface	Alpha Spec.	pCi/g	0.42 +/- 0.11	LT	0.015 +/- 0.020	U	0.56 +/- 0.14	LT	1.00 +/- 0.18		ND
SS-DU-003	SAIC04D	Surface	Alpha Spec.	pCi/g	0.90 +/- 0.20		0.044 +/- 0.036	U	0.77 +/- 0.18		1.7 +/- 0.27		0.86 +/- 0.28
SS-DU-003	SAIC04C	Surface	Alpha Spec.	pCi/g	0.53 +/- 0.096		0.022 +/- 0.017	U	0.64 +/- 0.11		1.2 +/- 0.15		1.2 +/- 0.30
SS-DU-003	SAIC05	Surface	Alpha Spec.	pCi/g	0.58 +/- 0.22	LT	0.042 +/- 0.072	U	0.74 +/- 0.26	LT	1.4 +/- 0.35		ND
SS-DU-003	SAIC06	Surface	Alpha Spec.	pCi/g	0.75 +/- 0.18		0.020 +/- 0.024	J	0.76 +/- 0.18		1.5 +/- 0.25		1.0 +/- 0.34
SS-DU-003	SAIC06D	Surface	Alpha Spec.	pCi/g	0.61 +/- 0.15		0.030 +/- 0.030	U	0.69 +/- 0.17		1.3 +/- 0.23		1.1 +/- 0.39
SS-DU-003	SAIC06C	Surface	Alpha Spec.	pCi/g	0.67 +/- 0.11		0.024 +/- 0.019	U	0.72 +/- 0.12		1.4 +/- 0.17		1.1 +/- 0.26
SS-DU-003	SAIC07	Surface	Alpha Spec.	pCi/g	0.79 +/- 0.18		0.075 +/- 0.042	J	0.74 +/- 0.17		1.6 +/- 0.25		0.94 +/- 0.30
SS-DU-003	SAIC08	Surface	Alpha Spec.	pCi/g	0.66 +/- 0.17		0.029 +/- 0.031	U	0.83 +/- 0.19		1.5 +/- 0.26		1.3 +/- 0.43
SS-DU-003	SAIC08D	Surface	Alpha Spec.	pCi/g	0.68 +/- 0.16		0.046 +/- 0.036	J	0.74 +/- 0.18		1.5 +/- 0.24		1.1 +/- 0.37
SS-DU-003	SAIC08C	Surface	Alpha Spec.	pCi/g	0.67 +/- 0.12		0.036 +/- 0.023	J	0.78 +/- 0.13		1.5 +/- 0.18		1.2 +/- 0.28
SS-DU-003	SAIC09E	Surface	Alpha Spec.	pCi/g	0.57 +/- 0.23		0.037 +/- 0.054	U	0.66 +/- 0.25		1.3 +/- 0.39		1.2 +/- 0.64
SS-DU-003	SAIC10E	Surface	Alpha Spec.	pCi/g	0.67 +/- 0.17	J	0.042 +/- 0.028	J	0.77 +/- 0.19	J	1.5 +/- 0.34		1.1 +/- 0.41
SS-DU-003	SAIC11E	Surface	Alpha Spec.	pCi/g	0.73 +/- 0.13		0.034 +/- 0.028	J	0.83 +/- 0.14		1.6 +/- 0.19		1.1 +/- 0.28
SS-DU-003	SAIC12E	Surface	Alpha Spec.	pCi/g	0.63 +/- 0.12		0.034 +/- 0.028	J	0.67 +/- 0.12		1.3 +/- 0.17		1.1 +/- 0.28
SS-DU-003	SAIC13E	Surface	Alpha Spec.	pCi/g	0.70 +/- 0.12		0.035 +/- 0.028	J	0.67 +/- 0.12		1.4 +/- 0.17		0.96 +/- 0.24
SS-DU-003	SAIC14E	Surface	Alpha Spec.	pCi/g	0.43 +/- 0.088		0.017 +/- 0.019	U	0.57 +/- 0.10		1.0 +/- 0.13		1.3 +/- 0.36
SS-DU-003	SAIC15E	Surface	Alpha Spec.	pCi/g	0.65 +/- 0.12		0.051 +/- 0.033	J	0.61 +/- 0.11		1.3 +/- 0.17		0.94 +/- 0.24
SS-DU-003	SAIC16E	Surface	Alpha Spec.	pCi/g	0.74 +/- 0.13		0.025 +/- 0.024	J	0.65 +/- 0.12		1.4 +/- 0.18		0.88 +/- 0.22
SS-DU-003	SAIC17E	Surface	Alpha Spec.	pCi/g	0.47 +/- 0.095		0.060 +/- 0.035	J	0.57 +/- 0.11		1.1 +/- 0.15		1.2 +/- 0.34
SS-DU-003	SAIC18E	Surface	Alpha Spec.	pCi/g	0.64 +/- 0.11		0.028 +/- 0.023	J	0.55 +/- 0.10		1.2 +/- 0.15		0.86 +/- 0.22
SS-DU-004	SAIC0498	Surface	Gamma Spec.*	pCi/g	--	--	--	--	140 +/- 10		140 +/- 10		ND
SS-DU-004	SAIC0499	Surface	Gamma Spec.*	pCi/g	--	--	--	--	2.0 +/- 2.0	J	2.0 +/- 2.0	J	ND
SS-DU-004	SAIC1099	Surface	Gamma Spec.*	pCi/g	--	--	--	--	0.030 +/- 2.0	U	0.030 +/- 2.0	U	ND
SS-DU-004	SAIC0400	Surface	Gamma Spec.*	pCi/g	--	--	--	--	2.0 +/- 2.0		2.0 +/- 2.0		ND
SS-DU-004	SAIC1000	Surface	Gamma Spec.*	pCi/g	--	--	--	--	1.0 +/- 2.0	U	1.0 +/- 2.0	U	ND
SS-DU-004	SAIC0401	Surface	Gamma Spec.*	pCi/g	--	--	--	--	2.0 +/- 2.0		2.0 +/- 2.0		ND
SS-DU-004	SAIC1001	Surface	Gamma Spec.*	pCi/g	--	--	--	--	0.40 +/- 2.0	U	0.40 +/- 2.0	U	ND
SS-DU-004	SAIC0402	Surface	Gamma Spec.*	pCi/g	--	--	--	--	1.0 +/- 1.0		1.0 +/- 1.0		ND
SS-DU-004	SAIC1002	Surface	Gamma Spec.*	pCi/g	--	--	--	--	1.0 +/- 2.0	U	1.0 +/- 2.0	U	ND
SS-DU-004	SAIC0403	Surface	Gamma Spec.*	pCi/g	--	--	--	--	0.097 +/- 0.14	U	0.097 +/- 0.14	U	ND
SS-DU-004	SAIC01	Surface	Alpha Spec.	pCi/g	0.61 +/- 0.13		0.036 +/- 0.023	J	0.73 +/- 0.14		1.4 +/- 0.19		1.2 +/- 0.34
SS-DU-004	SAIC02	Surface	Alpha Spec.	pCi/g	0.74 +/- 0.25	LT	0.019 +/- 0.066	U	0.76 +/- 0.25	J	1.5 +/- 0.36		ND
SS-DU-004	SAIC03	Surface	Alpha Spec.	pCi/g	0.81 +/- 0.27	J	0.16 +/- 0.11	J	0.80 +/- 0.27	LT	1.8 +/- 0.40		ND
SS-DU-004	SAIC04	Surface	Alpha Spec.	pCi/g	0.58 +/- 0.14	LT	0.032 +/- 0.033	U	0.70 +/- 0.17	LT	1.3 +/- 0.22		ND
SS-DU-004	SAIC05	Surface	Alpha Spec.	pCi/g	0.83 +/- 0.29	LT	0.063 +/- 0.085	U	0.73 +/- 0.27	LT	1.6 +/- 0.41		ND
SS-DU-004	SAIC06	Surface	Alpha Spec.	pCi/g	0.81 +/- 0.19		0.069 +/- 0.045	J	0.85 +/- 0.20		1.7 +/- 0.28		1.0 +/- 0.35
SS-DU-004	SAIC07	Surface	Alpha Spec.	pCi/g	0.80 +/- 0.18		0.055 +/- 0.033	J	0.89 +/- 0.19		1.7 +/- 0.26		1.1 +/- 0.34
SS-DU-004	SAIC08	Surface	Alpha Spec.	pCi/g	1.1 +/- 0.23		0.070 +/- 0.044	J	0.93 +/- 0.21		2.1 +/- 0.32		0.87 +/- 0.27
SS-DU-004	SAIC09E	Surface	Alpha Spec.	pCi/g	0.69 +/- 0.25		0	U	0.66 +/- 0.24		1.4 +/- 0.40		0.95 +/- 0.50

Total and Isotopic Uranium Results for Soil and Sediment Samples

Total and Isotopic Uranium Results for GCR and Sediment Samples													
Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)						DU Presence		
					U-234		U-235		U-238		Total Uranium	U-238/U-234 Ratio	Weight Percent U-235
SS-DU-004	SAIC10E	Surface	Alpha Spec.	pCi/g	0.63 +/- 0.16		0.035 +/- 0.025	J	0.59 +/- 0.15		1.3 +/- 0.29		0.95 +/- 0.34
SS-DU-004	SAIC11E	Surface	Alpha Spec.	pCi/g	0.79 +/- 0.13		0.059 +/- 0.036	J	0.68 +/- 0.12		1.5 +/- 0.18		0.86 +/- 0.21
SS-DU-004	SAIC11DE	Surface	Alpha Spec.	pCi/g	0.78 +/- 0.14		0.055 +/- 0.035	J	0.77 +/- 0.13		1.6 +/- 0.19		0.99 +/- 0.24
SS-DU-004	SAIC11EC	Surface	Alpha Spec.	pCi/g	0.79 +/- 0.095		0.057 +/- 0.025	J	0.72 +/- 0.088		1.6 +/- 0.13		0.92 +/- 0.16
SS-DU-004	SAIC12E	Surface	Alpha Spec.	pCi/g	0.59 +/- 0.12		0.052 +/- 0.036	J	0.74 +/- 0.13		1.4 +/- 0.18		1.3 +/- 0.34
SS-DU-004	SAIC13E	Surface	Alpha Spec.	pCi/g	0.53 +/- 0.10		0.029 +/- 0.024	J	0.57 +/- 0.11		1.1 +/- 0.15		1.1 +/- 0.29
SS-DU-004	SAIC14E	Surface	Alpha Spec.	pCi/g	0.40 +/- 0.085		0.036 +/- 0.029	J	0.53 +/- 0.099		0.96 +/- 0.13		1.3 +/- 0.37
SS-DU-004	SAIC14DE	Surface	Alpha Spec.	pCi/g	0.44 +/- 0.087		0.0080 +/- 0.012	U	0.43 +/- 0.086		0.88 +/- 0.12		0.98 +/- 0.28
SS-DU-004	SAIC14EC	Surface	Alpha Spec.	pCi/g	0.42 +/- 0.061		0.012 +/- 0.011	U	0.47 +/- 0.065		0.90 +/- 0.090		1.1 +/- 0.23
SS-DU-004	SAIC15E	Surface	Alpha Spec.	pCi/g	0.64 +/- 0.12		0.026 +/- 0.025	J	0.54 +/- 0.11		1.2 +/- 0.16		0.84 +/- 0.23
SS-DU-004	SAIC15DE	Surface	Alpha Spec.	pCi/g	0.49 +/- 0.098		0.0090 +/- 0.014	U	0.45 +/- 0.094		0.95 +/- 0.14		0.93 +/- 0.27
SS-DU-004	SAIC15EC	Surface	Alpha Spec.	pCi/g	0.55 +/- 0.076		0.013 +/- 0.012	U	0.49 +/- 0.071		1.1 +/- 0.10		0.89 +/- 0.18
SS-DU-004	SAIC16E	Surface	Alpha Spec.	pCi/g	0.70 +/- 0.13		0.055 +/- 0.036	J	0.77 +/- 0.14		1.5 +/- 0.19		1.1 +/- 0.29
SS-DU-004	SAIC16DE	Surface	Alpha Spec.	pCi/g	0.59 +/- 0.11		0.028 +/- 0.023	J	0.81 +/- 0.13		1.4 +/- 0.17		1.4 +/- 0.34
SS-DU-004	SAIC16EC	Surface	Alpha Spec.	pCi/g	0.64 +/- 0.084		0.036 +/- 0.019	J	0.79 +/- 0.095		1.5 +/- 0.13		1.2 +/- 0.22
SS-DU-004	SAIC17E	Surface	Alpha Spec.	pCi/g	0.58 +/- 0.11		0.023 +/- 0.022	J	0.61 +/- 0.11		1.2 +/- 0.16		1.1 +/- 0.28
SS-DU-004	SAIC17DE	Surface	Alpha Spec.	pCi/g	0.57 +/- 0.11		0.013 +/- 0.019	U	0.59 +/- 0.11		1.2 +/- 0.16		1.0 +/- 0.28
SS-DU-004	SAIC17EC	Surface	Alpha Spec.	pCi/g	0.58 +/- 0.078		0.017 +/- 0.014	U	0.60 +/- 0.078		1.2 +/- 0.11		1.0 +/- 0.20
SS-DU-004	SAIC18E	Surface	Alpha Spec.	pCi/g	0.42 +/- 0.086		0.014 +/- 0.019	U	0.47 +/- 0.092		0.91 +/- 0.13		1.1 +/- 0.32
SS-DU-004	SAIC18DE	Surface	Alpha Spec.	pCi/g	0.41 +/- 0.090		0.017 +/- 0.021	U	0.37 +/- 0.084		0.80 +/- 0.12		0.89 +/- 0.28
SS-DU-004	SAIC18EC	Surface	Alpha Spec.	pCi/g	0.42 +/- 0.062		0.015 +/- 0.014	U	0.41 +/- 0.062		0.85 +/- 0.089		0.99 +/- 0.21
Sediment Samples for Modeling													
JPG-D-04mod	SAIC01	Surface	ICP-MS	mg/kg	0.0067	U	0.0034	J	1.0	E	1.0		ND
JPG-D-04mod	SAIC02	Surface	ICP-MS	mg/kg	0.0064	U	0.0064	U	0.52	E	0.53		ND
JPG-D-04mod	SAIC03	Surface	ICP-MS	mg/kg	0.0063	U	0.0063	U	0.45	E	0.45		ND
JPG-D-04mod	SAIC04	Surface	ICP-MS	mg/kg	0.0063	U	0.0063	U	0.55	E	0.55		ND
JPG-DU-003mod	SAIC01	Surface	ICP-MS	mg/kg	0.0074	U	0.0061	J	0.95	E	0.95		ND
JPG-DU-003mod	SAIC01D	Surface	ICP-MS	mg/kg	0.0074	U	0.0064	J	1.0	E	1.0		ND
JPG-DU-003mod	SAIC01C	Surface	ICP-MS	mg/kg	0.0074	U	0.0063	J	0.98	E	0.98		ND
JPG-DU-003mod	SAIC02	Surface	ICP-MS	mg/kg	0.0082	U	0.0036	J	0.63	E	0.63		ND
JPG-DU-007mod	SAIC01	Surface	ICP-MS	mg/kg	0.0063	U	0.0044	J	0.85	E	0.86		ND
JPG-DU-007mod	SAIC02	Surface	ICP-MS	mg/kg	0.0066	U	0.0066	U	0.44	E	0.44		ND
JPG-DU-007mod	SAIC02D	Surface	ICP-MS	mg/kg	0.0065	U	0.0059	J	0.92	E	0.93		ND
JPG-DU-007mod	SAIC02C	Surface	ICP-MS	mg/kg	0.0066	U	0.0063	J	0.68	E	0.69		ND
Sediments													
JP-D-01	SAIC09	Surface	Alpha Spec.	pCi/g	0.41 +/- 0.18		0	U	0.31 +/- 0.15		0.72 +/- 0.26		0.77 +/- 0.51
JP-D-01	SAIC10	Surface	Alpha Spec.	pCi/g	0.61 +/- 0.23		0.055 +/- 0.065	J	0.87 +/- 0.30		1.5 +/- 0.44		1.4 +/- 0.72
JP-D-01	SAIC11	Surface	Alpha Spec.	pCi/g	0.49 +/- 0.13		0.024 +/- 0.021	J	0.70 +/- 0.18		1.2 +/- 0.28		1.4 +/- 0.53
JP-D-01	SAIC12	Surface	Alpha Spec.	pCi/g	0.57 +/- 0.15		0.045 +/- 0.030	J	0.71 +/- 0.18		1.3 +/- 0.30		1.2 +/- 0.46
JP-D-02	SAIC09	Surface	Alpha Spec.	pCi/g	0.70 +/- 0.25		0.051 +/- 0.061	J	0.83 +/- 0.28		1.6 +/- 0.44		1.2 +/- 0.58
JP-D-02	SAIC10	Surface	Alpha Spec.	pCi/g	0.49 +/- 0.20		0.086 +/- 0.082	J	1.1 +/- 0.34		1.7 +/- 0.47		2.2 +/- 1.1
JP-D-02	SAIC11	Surface	Alpha Spec.	pCi/g	0.63 +/- 0.16		0.040 +/- 0.027	J	1.0 +/- 0.24		1.7 +/- 0.38		1.6 +/- 0.56
JP-D-02	SAIC12	Surface	Alpha Spec.	pCi/g	0.44 +/- 0.12		0.0080 +/- 0.012	J	0.45 +/- 0.12		0.90 +/- 0.22		1.0 +/- 0.39
JP-D-03	SAIC09	Surface	Alpha Spec.	pCi/g	0.65 +/- 0.24		0.053 +/- 0.064	J	0.57 +/- 0.22		1.3 +/- 0.38		0.89 +/- 0.47
JP-D-03	SAIC10	Surface	Alpha Spec.	pCi/g	0.60 +/- 0.23		0.018 +/- 0.036	U	0.52 +/- 0.21		1.1 +/- 0.35		0.86 +/- 0.48
JP-D-03	SAIC11	Surface	Alpha Spec.	pCi/g	0.81 +/- 0.20		0.052 +/- 0.033	J	1.7 +/- 0.39		2.5 +/- 0.56		2.1 +/- 0.70
JP-D-03	SAIC12	Surface	Alpha Spec.	pCi/g	0.42 +/- 0.16		0.035 +/- 0.042	J	0.48 +/- 0.17		0.93 +/- 0.27		1.1 +/- 0.58
JP-D-04	SAIC09	Surface	Alpha Spec.	pCi/g	0.60 +/- 0.23		0	U	0.49 +/- 0.20		1.1 +/- 0.35		0.81 +/- 0.47
JP-D-04	SAIC09D	Surface	Alpha Spec.	pCi/g	0.33 +/- 0.15		0	U	0.54 +/- 0.21		0.87 +/- 0.29		1.6 +/- 1.0
JP-D-04	SAIC09C	Surface	Alpha Spec.	pCi/g	0.41 +/- 0.13		0	U	0.51 +/- 0.15		0.95 +/- 0.22		1.3 +/- 0.53
JP-D-04	SAIC10	Surface	Alpha Spec.	pCi/g	0.20 +/- 0.11	J	0 +/- 0.14	U	0.35 +/- 0.16		0.55 +/- 0.21		1.7 +/- 1.2
JP-D-04	SAIC11	Surface	Alpha Spec.	pCi/g	0.47 +/- 0.13		0.021 +/- 0.019	J	0.65 +/- 0.16		1.1 +/- 0.26		1.4 +/- 0.50
JP-D-04	SAIC12	Surface	Alpha Spec.	pCi/g	0.26 +/- 0.082		0.017 +/- 0.017	J	0.39 +/- 0.11		0.67 +/- 0.17		1.5 +/- 0.63
JP-D-05	SAIC09	Surface	Alpha Spec.	pCi/g	0.25 +/- 0.13	J	0.018 +/- 0.035	U	1.2 +/- 0.36		1.4 +/- 0.42		4.7 +/- 2.9

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				Total Uranium	DU Presence U-238/U-234 Ratio Weight Percent U-235	
					U-234	U-235	U-238				
JP-D-05	SAIC10	Surface	Alpha Spec.	pCi/g	0.21 +/- 0.12	J	0.051 +/- 0.061	J	0.91 +/- 0.30	1.2 +/- 0.36	4.4 +/- 2.9
JP-D-05	SAIC11	Surface	Alpha Spec.	pCi/g	1.2 +/- 0.28		0.081 +/- 0.042	J	6.1 +/- 1.3	7.4 +/- 1.6	5.1 +/- 1.7
JP-D-05	SAIC12	Surface	Alpha Spec.	pCi/g	0.80 +/- 0.20		0.046 +/- 0.030	J	3.6 +/- 0.81	4.5 +/- 0.97	4.5 +/- 1.5
JP-D-06	SAIC09	Surface	Alpha Spec.	pCi/g	0.36 +/- 0.16		0	U	0.43 +/- 0.18	0.79 +/- 0.26	1.2 +/- 0.73
JP-D-06	SAIC10	Surface	Alpha Spec.	pCi/g	0.41 +/- 0.18		0 +/- 0.14	U	0.33 +/- 0.15	0.74 +/- 0.26	0.80 +/- 0.50
JP-D-06	SAIC11	Surface	Alpha Spec.	pCi/g	0.49 +/- 0.13		0.018 +/- 0.019	U	0.47 +/- 0.13	0.98 +/- 0.23	0.97 +/- 0.37
JP-D-06	SAIC12	Surface	Alpha Spec.	pCi/g	0.40 +/- 0.11		0.024 +/- 0.020		0.47 +/- 0.12	0.89 +/- 0.21	1.2 +/- 0.45
JP-D-07	SAIC09	Surface	Alpha Spec.	pCi/g	0.11 +/- 0.083	J	0	U	0.14 +/- 0.093	J	1.2 +/- 1.2
JP-D-07	SAIC10	Surface	Alpha Spec.	pCi/g	0.15 +/- 0.098	J	0.018 +/- 0.036	U	0.25 +/- 0.13	J	1.7 +/- 1.4
JP-D-07	SAIC11	Surface	Alpha Spec.	pCi/g	0.48 +/- 0.13		0.021 +/- 0.019	J	0.47 +/- 0.13		0.98 +/- 0.37
JP-D-07	SAIC12	Surface	Alpha Spec.	pCi/g	0.75 +/- 0.19		0.038 +/- 0.028	J	0.81 +/- 0.20		1.1 +/- 0.39
JP-D-08	SAIC09	Surface	Alpha Spec.	pCi/g	0.78 +/- 0.27		0	U	0.66 +/- 0.24		0.84 +/- 0.42
JP-D-08	SAIC10	Surface	Alpha Spec.	pCi/g	0.36 +/- 0.17		0.037 +/- 0.054	U	0.59 +/- 0.23		1.6 +/- 0.98
JP-D-08	SAIC11	Surface	Alpha Spec.	pCi/g	0.50 +/- 0.13		0.0090 +/- 0.013	U	0.62 +/- 0.16		1.2 +/- 0.46
JP-D-08	SAIC11D	Surface	Alpha Spec.	pCi/g	0.45 +/- 0.12		0.031 +/- 0.023	J	0.48 +/- 0.13		1.1 +/- 0.40
JP-D-08	SAIC11C	Surface	Alpha Spec.	pCi/g	0.47 +/- 0.088		0.014 +/- 0.011	J	0.53 +/- 0.098		1.1 +/- 0.30
JP-D-08	SAIC12	Surface	Alpha Spec.	pCi/g	0.56 +/- 0.15		0.034 +/- 0.025	J	0.70 +/- 0.18		1.2 +/- 0.45
JP-D-09	SAIC09	Surface	Alpha Spec.	pCi/g	0.51 +/- 0.21		0.073 +/- 0.076	J	0.48 +/- 0.20		0.95 +/- 0.55
JP-D-09	SAIC10	Surface	Alpha Spec.	pCi/g	0.39 +/- 0.17		0.017 +/- 0.035	U	0.44 +/- 0.19		1.1 +/- 0.69
JP-D-09	SAIC11	Surface	Alpha Spec.	pCi/g	0.71 +/- 0.18		0.020 +/- 0.019	J	0.75 +/- 0.19		1.1 +/- 0.38
JP-D-09	SAIC12	Surface	Alpha Spec.	pCi/g	0.34 +/- 0.10		0.017 +/- 0.019		0.43 +/- 0.12		1.2 +/- 0.50
JP-D-10	SAIC09	Surface	Alpha Spec.	pCi/g	0.28 +/- 0.14		0.017 +/- 0.034	U	0.34 +/- 0.15		1.2 +/- 0.81
JP-D-10	SAIC10	Surface	Alpha Spec.	pCi/g	0.23 +/- 0.13	J	0.019 +/- 0.039	U	0.25 +/- 0.14	J	1.1 +/- 0.83
JP-D-10	SAIC11	Surface	Alpha Spec.	pCi/g	0.50 +/- 0.13		0.011 +/- 0.013	J	0.55 +/- 0.14		1.1 +/- 0.41
JP-D-10	SAIC11D	Surface	Alpha Spec.	pCi/g	0.39 +/- 0.11		0.0020 +/- 0.0080	U	0.44 +/- 0.12		1.1 +/- 0.43
JP-D-10	SAIC11C	Surface	Alpha Spec.	pCi/g	0.44 +/- 0.084		0.0045 +/- 0.0068	U	0.49 +/- 0.091		1.1 +/- 0.30
JP-D-10	SAIC12	Surface	Alpha Spec.	pCi/g	0.63 +/- 0.16		0.052 +/- 0.033	J	0.87 +/- 0.21		1.4 +/- 0.49
JP-D-10	SAIC12D	Surface	Alpha Spec.	pCi/g	0.64 +/- 0.16		0.018 +/- 0.018	J	0.69 +/- 0.18		1.1 +/- 0.39
JP-D-10	SAIC12C	Surface	Alpha Spec.	pCi/g	0.63 +/- 0.12		0.026 +/- 0.016	J	0.77 +/- 0.14		1.2 +/- 0.31
JP-D-11	SAIC09	Surface	Alpha Spec.	pCi/g	0.20 +/- 0.12	J	0.017 +/- 0.034	U	0.18 +/- 0.11	J	0.91 +/- 0.77
JP-D-11	SAIC10	Surface	Alpha Spec.	pCi/g	0.17 +/- 0.10	J	0.015 +/- 0.031	U	0.099 +/- 0.073	J	0.57 +/- 0.53
JP-D-11	SAIC11	Surface	Alpha Spec.	pCi/g	0.17 +/- 0.060		0.0040 +/- 0.0080	U	0.25 +/- 0.078		1.5 +/- 0.68
JP-D-11	SAIC12	Surface	Alpha Spec.	pCi/g	0.29 +/- 0.089		0.020 +/- 0.019	J	0.46 +/- 0.13		1.6 +/- 0.64
JP-D-12	SAIC09	Surface	Alpha Spec.	pCi/g	0.47 +/- 0.19		0	U	0.38 +/- 0.17		0.82 +/- 0.49
JP-D-12	SAIC10	Surface	Alpha Spec.	pCi/g	0.58 +/- 0.23		0.094 +/- 0.089	J	0.52 +/- 0.21		0.89 +/- 0.51
JP-D-12	SAIC10D	Surface	Alpha Spec.	pCi/g	0.53 +/- 0.21		0.035 +/- 0.050	U	0.76 +/- 0.27		1.4 +/- 0.74
JP-D-12	SAIC10C	Surface	Alpha Spec.	pCi/g	0.55 +/- 0.15		0.049 +/- 0.044	U	0.61 +/- 0.16		1.1 +/- 0.43
JP-D-12	SAIC11	Surface	Alpha Spec.	pCi/g	0.49 +/- 0.13		0.027 +/- 0.022	J	0.57 +/- 0.15		1.2 +/- 0.44
JP-D-12	SAIC12	Surface	Alpha Spec.	pCi/g	0.48 +/- 0.13		0.022 +/- 0.023		0.50 +/- 0.14		1.0 +/- 0.40
JP-D-13	SAIC09	Surface	Alpha Spec.	pCi/g	0.44 +/- 0.18		0.017 +/- 0.034	U	0.58 +/- 0.22		1.3 +/- 0.74
JP-D-13	SAIC10	Surface	Alpha Spec.	pCi/g	0.55 +/- 0.21		0.062 +/- 0.073	U	0.60 +/- 0.23		1.1 +/- 0.59
JP-D-13	SAIC11	Surface	Alpha Spec.	pCi/g	0.51 +/- 0.14		0.036 +/- 0.026	J	0.59 +/- 0.15		1.1 +/- 0.42
JP-D-13	SAIC12	Surface	Alpha Spec.	pCi/g	0.62 +/- 0.16		0.040 +/- 0.028	J	0.64 +/- 0.16		1.0 +/- 0.37
JP-D-14	SAIC09	Surface	Alpha Spec.	pCi/g	0.20 +/- 0.11	J	0	U	0.83 +/- 0.28		4.2 +/- 2.7
JP-D-14	SAIC10	Surface	Alpha Spec.	pCi/g	0.47 +/- 0.19		0.016 +/- 0.032	U	2.4 +/- 0.64		5.2 +/- 2.5
JP-D-14	SAIC11	Surface	Alpha Spec.	pCi/g	0.52 +/- 0.14		0.047 +/- 0.031	J	2.7 +/- 0.61		5.2 +/- 1.8
JP-D-14	SAIC12	Surface	Alpha Spec.	pCi/g	0.65 +/- 0.17		0.017 +/- 0.017		1.1 +/- 0.27		1.7 +/- 0.61
JP-D-15	SAIC09	Surface	Alpha Spec.	pCi/g	0.64 +/- 0.23		0.016 +/- 0.033	U	0.60 +/- 0.22		0.94 +/- 0.49
JP-D-15	SAIC10	Surface	Alpha Spec.	pCi/g	0.39 +/- 0.17		0.050 +/- 0.060	J	0.59 +/- 0.22		1.5 +/- 0.86
JP-D-15	SAIC11	Surface	Alpha Spec.	pCi/g	0.50 +/- 0.13		0.022 +/- 0.020	J	0.52 +/- 0.14		1.0 +/- 0.38
JP-D-15	SAIC12	Surface	Alpha Spec.	pCi/g	0.51 +/- 0.14		0.028 +/- 0.023		0.49 +/- 0.13		0.96 +/- 0.37
JP-D-15	SAIC12D	Surface	Alpha Spec.	pCi/g	0.41 +/- 0.11		0.031 +/- 0.024		0.46 +/- 0.12		1.1 +/- 0.43
JP-D-15	SAIC12C	Surface	Alpha Spec.	pCi/g	0.45 +/- 0.088		0.029 +/- 0.017		0.47 +/- 0.090		1.0 +/- 0.29
JP-D-16	SAIC09	Surface	Alpha Spec.	pCi/g	0.66 +/- 0.25		0.036 +/- 0.052	U	1.0 +/- 0.34		1.6 +/- 0.77

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)					DU Presence U-238/U-234 Ratio Weight Percent U-235	
					U-234	U-235	U-238	Total Uranium			
JP-D-16	SAIC10	Surface	Alpha Spec.	pCi/g	0.54 +/- 0.21	0.052 +/- 0.063 J	0.76 +/- 0.27	1.4 +/- 0.40		1.4 +/- 0.74	
JP-D-16	SAIC11	Surface	Alpha Spec.	pCi/g	0.63 +/- 0.16	0.032 +/- 0.024 J	0.68 +/- 0.17	1.3 +/- 0.31		1.1 +/- 0.38	
JP-D-16	SAIC12	Surface	Alpha Spec.	pCi/g	0.79 +/- 0.20	0.040 +/- 0.028	0.72 +/- 0.18	1.6 +/- 0.35		0.91 +/- 0.33	
JP-D-17	SAIC09	Surface	Alpha Spec.	pCi/g	0.51 +/- 0.20	0.035 +/- 0.051 U	0.57 +/- 0.22	1.1 +/- 0.34		1.1 +/- 0.62	
JP-D-17	SAIC09D	Surface	Alpha Spec.	pCi/g	0.52 +/- 0.21	0.018 +/- 0.036 U	0.43 +/- 0.18	0.97 +/- 0.31		0.82 +/- 0.48	
JP-D-17	SAIC09C	Surface	Alpha Spec.	pCi/g	0.51 +/- 0.15	0.024 +/- 0.029 U	0.48 +/- 0.14	1.0 +/- 0.23		0.94 +/- 0.38	
JP-D-17	SAIC10	Surface	Alpha Spec.	pCi/g	0.65 +/- 0.24	-7.0E-03 +/- 0.015 U	0.46 +/- 0.19	1.1 +/- 0.34		0.71 +/- 0.40	
JP-D-17	SAIC11	Surface	Alpha Spec.	pCi/g	0.69 +/- 0.18	0.034 +/- 0.026 J	0.67 +/- 0.17	1.4 +/- 0.32		0.97 +/- 0.35	
JP-D-17	SAIC12	Surface	Alpha Spec.	pCi/g	0.52 +/- 0.14	0.022 +/- 0.019 J	0.49 +/- 0.13	1.0 +/- 0.24		0.96 +/- 0.36	
JP-D-18	SAIC09	Surface	Alpha Spec.	pCi/g	0.58 +/- 0.22	0.035 +/- 0.051 U	0.55 +/- 0.21	1.2 +/- 0.36		0.96 +/- 0.52	
JP-D-18	SAIC10	Surface	Alpha Spec.	pCi/g	0.70 +/- 0.26	0 +/- 0.14 U	0.58 +/- 0.23	1.3 +/- 0.39		0.83 +/- 0.44	
JP-D-18	SAIC11	Surface	Alpha Spec.	pCi/g	0.69 +/- 0.17	0.048 +/- 0.031 J	0.60 +/- 0.16	1.3 +/- 0.30		0.87 +/- 0.32	
JP-D-18	SAIC12	Surface	Alpha Spec.	pCi/g	0.66 +/- 0.17	0.050 +/- 0.031 J	0.66 +/- 0.17	1.4 +/- 0.31		1.0 +/- 0.36	
JP-D-19	SAIC09	Surface	Alpha Spec.	pCi/g	0.96 +/- 0.32	0.056 +/- 0.067 J	0.98 +/- 0.33	2.0 +/- 0.55		1.0 +/- 0.48	
JP-D-19	SAIC10	Surface	Alpha Spec.	pCi/g	0.62 +/- 0.23	0.070 +/- 0.073 J	0.84 +/- 0.29	1.5 +/- 0.44		1.4 +/- 0.69	
JP-D-19	SAIC10D	Surface	Alpha Spec.	pCi/g	0.52 +/- 0.20	0.027 +/- 0.049 J	0.66 +/- 0.24	1.2 +/- 0.36		1.3 +/- 0.68	
JP-D-19	SAIC10C	Surface	Alpha Spec.	pCi/g	0.56 +/- 0.15	0.040 +/- 0.041 J	0.74 +/- 0.18	1.3 +/- 0.28		1.3 +/- 0.48	
JP-D-19	SAIC11	Surface	Alpha Spec.	pCi/g	0.65 +/- 0.17	0.039 +/- 0.027 J	0.79 +/- 0.20	1.5 +/- 0.34		1.2 +/- 0.43	
JP-D-19	SAIC12	Surface	Alpha Spec.	pCi/g	0.79 +/- 0.20	0.042 +/- 0.030 J	0.82 +/- 0.20	1.7 +/- 0.37		1.0 +/- 0.37	
JP-D-20	SAIC09	Surface	Alpha Spec.	pCi/g	0.29 +/- 0.15	0.018 +/- 0.036 U	0.23 +/- 0.13 J	0.54 +/- 0.21		0.80 +/- 0.59	
JP-D-20	SAIC10	Surface	Alpha Spec.	pCi/g	0.25 +/- 0.13 J	0 +/- 0.14 U	0.26 +/- 0.14 J	0.51 +/- 0.20		1.1 +/- 0.79	
JP-D-20	SAIC11	Surface	Alpha Spec.	pCi/g	0.25 +/- 0.078	0.019 +/- 0.018 J	0.29 +/- 0.086	0.56 +/- 0.14		1.1 +/- 0.49	
JP-D-20	SAIC12	Surface	Alpha Spec.	pCi/g	0.33 +/- 0.095	0.0060 +/- 0.011	0.30 +/- 0.088	0.64 +/- 0.16		0.90 +/- 0.37	
ERM Sediments											
SD-DU-001	SAIC1098	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.20 +/- 1.0 U	0.20 +/- 1.0 U		ND	
SD-DU-001	SAIC0499	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 2.0 J	2.0 +/- 2.0 J		ND	
SD-DU-001	SAIC1099	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 2.0 J	2.0 +/- 2.0 J		ND	
SD-DU-001	SAIC1099D	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.90 +/- 1.0 U	0.90 +/- 1.0 U		ND	
SD-DU-001	SAIC1099C	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.1 +/- 0.89 U	1.1 +/- 0.89 U		ND	
SD-DU-001	SAIC0400	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 1.0	2.0 +/- 1.0		ND	
SD-DU-001	SAIC1000	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.0 +/- 2.0 U	1.0 +/- 2.0 U		ND	
SD-DU-001	SAIC0401	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 1.0	2.0 +/- 1.0		ND	
SD-DU-001	SAIC1001	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	3.0 +/- 1.0	3.0 +/- 1.0		ND	
SD-DU-001	SAIC0402	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.0 +/- 1.0	1.0 +/- 1.0		ND	
SD-DU-001	SAIC1002	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.0 +/- 2.0 U	1.0 +/- 2.0 U		ND	
SD-DU-001	SAIC0403	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.074 +/- 0.11 U	0.074 +/- 0.11 U		ND	
SD-DU-001	SAIC01	Surface	Alpha Spec.	pCi/g	0.31 +/- 0.080	0.0060 +/- 0.014 U	0.29 +/- 0.076	0.61 +/- 0.11		0.94 +/- 0.34	
SD-DU-001	SAIC01	Surface	Alpha Spec.	pCi/g	0.31 +/- 0.080	0.0060 +/- 0.014 U	0.29 +/- 0.076	0.61 +/- 0.11		0.94 +/- 0.34	
SD-DU-001	SAIC02	Surface	Alpha Spec.	pCi/g	0.48 +/- 0.24 LT	0.080 +/- 0.11 U	0.43 +/- 0.22 J	0.99 +/- 0.34		ND	
SD-DU-001	SAIC03	Surface	Alpha Spec.	pCi/g	0.36 +/- 0.17 J	0.041 +/- 0.073 U	0.22 +/- 0.13 J	0.62 +/- 0.23		0.61 +/- 0.46	
SD-DU-001	SAIC04	Surface	Alpha Spec.	pCi/g	0.17 +/- 0.063 LT	0.027 +/- 0.026 J	0.16 +/- 0.062 LT	0.36 +/- 0.092		ND	
SD-DU-001	SAIC05	Surface	Alpha Spec.	pCi/g	0.77 +/- 0.27 LT	0.12 +/- 0.11 J	0.60 +/- 0.23 LT	1.5 +/- 0.37		ND	
SD-DU-001	SAIC06	Surface	Alpha Spec.	pCi/g	0.33 +/- 0.099	0.010 +/- 0.022 U	0.24 +/- 0.081	0.58 +/- 0.13		0.73 +/- 0.33	
SD-DU-001	SAIC07	Surface	Alpha Spec.	pCi/g	0.69 +/- 0.16	0.050 +/- 0.033 J	0.61 +/- 0.15	1.4 +/- 0.22		0.88 +/- 0.30	
SD-DU-001	SAIC08	Surface	Alpha Spec.	pCi/g	0.31 +/- 0.10	0.028 +/- 0.033 U	0.24 +/- 0.087	0.58 +/- 0.14		0.79 +/- 0.38	
SD-DU-001	SAIC09E	Surface	Alpha Spec.	pCi/g	0.73 +/- 0.26	0.029 +/- 0.055 U	1.0 +/- 0.33	1.8 +/- 0.50		1.4 +/- 0.68	
SD-DU-001	SAIC09ED	Surface	Alpha Spec.	pCi/g	0.53 +/- 0.20	0.049 +/- 0.059 J	0.63 +/- 0.23	1.2 +/- 0.36		1.2 +/- 0.63	
SD-DU-001	SAIC09EC	Surface	Alpha Spec.	pCi/g	0.60 +/- 0.16	0.038 +/- 0.040 J	0.76 +/- 0.19	1.4 +/- 0.29		1.3 +/- 0.46	
SD-DU-001	SAIC10E	Surface	Alpha Spec.	pCi/g	0.63 +/- 0.16	0.040 +/- 0.027 J	0.74 +/- 0.18	1.4 +/- 0.32		1.2 +/- 0.42	
SD-DU-001	SAIC10DE	Surface	Alpha Spec.	pCi/g	0.50 +/- 0.13	0.031 +/- 0.023 J	0.56 +/- 0.15	1.1 +/- 0.25		1.1 +/- 0.41	
SD-DU-001	SAIC10EC	Surface	Alpha Spec.	pCi/g	0.55 +/- 0.10	0.035 +/- 0.017 J	0.63 +/- 0.11	1.2 +/- 0.20		1.1 +/- 0.29	
SD-DU-001	SAIC11E	Surface	Alpha Spec.	pCi/g	0.90 +/- 0.14	0.081 +/- 0.041 J	0.93 +/- 0.14	1.9 +/- 0.20		1.0 +/- 0.22	
SD-DU-001	SAIC12E	Surface	Alpha Spec.	pCi/g	0.47 +/- 0.10	0.014 +/- 0.020 U	0.52 +/- 0.11	1.0 +/- 0.15		1.1 +/- 0.33	
SD-DU-001	SAIC13E	Surface	Alpha Spec.	pCi/g	0.58 +/- 0.11	0.024 +/- 0.021 J	0.60 +/- 0.11	1.2 +/- 0.16		1.0 +/- 0.27	

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)					DU Presence	
					U-234	U-235	U-238	Total Uranium		U-238/U-234 Ratio	Weight Percent U-235
SD-DU-001	SAIC14E	Surface	Alpha Spec.	pCi/g	0.59 +/- 0.11	0.048 +/- 0.032 J	0.67 +/- 0.12	1.3 +/- 0.17		1.1 +/- 0.29	
SD-DU-001	SAIC15E	Surface	Alpha Spec.	pCi/g	0.19 +/- 0.059	0.014 +/- 0.018 U	0.20 +/- 0.061	0.41 +/- 0.087		1.1 +/- 0.47	
SD-DU-001	SAIC16E	Surface	Alpha Spec.	pCi/g	0.81 +/- 0.14	0.053 +/- 0.037 J	0.96 +/- 0.16	1.8 +/- 0.22		1.2 +/- 0.28	
SD-DU-001	SAIC17E	Surface	Alpha Spec.	pCi/g	0.75 +/- 0.12	0.052 +/- 0.032 J	0.72 +/- 0.12	1.5 +/- 0.17		0.96 +/- 0.22	
SD-DU-001	SAIC18E	Surface	Alpha Spec.	pCi/g	0.53 +/- 0.100 J	0.046 +/- 0.030 J	0.44 +/- 0.089	1.0 +/- 0.14		0.83 +/- 0.23	
SD-DU-002	SAIC1098	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.20 +/- 1.0 U	0.20 +/- 1.0 U		ND	
SD-DU-002	SAIC0499	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.40 +/- 1.0 U	0.40 +/- 1.0 U		ND	
SD-DU-002	SAIC0499D	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 1.0	2.0 +/- 1.0		ND	
SD-DU-002	SAIC0499C	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.2 +/- 0.71	1.2 +/- 0.71		ND	
SD-DU-002	SAIC1099	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.0 +/- 0.90	1.0 +/- 0.90		ND	
SD-DU-002	SAIC0400	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.0 +/- 1.0	1.0 +/- 1.0		ND	
SD-DU-002	SAIC1000	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	3.0 +/- 1.0	3.0 +/- 1.0		ND	
SD-DU-002	SAIC0401	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.0 +/- 2.0	1.0 +/- 2.0		ND	
SD-DU-002	SAIC0402	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.50 +/- 1.0 U	0.50 +/- 1.0 U		ND	
SD-DU-002	SAIC1002	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	3.0 +/- 1.0	3.0 +/- 1.0		ND	
SD-DU-002	SAIC0403	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.18 +/- 0.11 U	0.18 +/- 0.11 U		ND	
SD-DU-002	SAIC01	Surface	Alpha Spec.	pCi/g	0.24 +/- 0.068	0.030 +/- 0.023 J	0.40 +/- 0.094	0.68 +/- 0.12		1.7 +/- 0.60	
SD-DU-002	SAIC02	Surface	Alpha Spec.	pCi/g	0.23 +/- 0.14 J	0.015 +/- 0.070 U	0.29 +/- 0.15 J	0.54 +/- 0.22		1.3 +/- 1.0	
SD-DU-002	SAIC03	Surface	Alpha Spec.	pCi/g	0.44 +/- 0.18 J	0.14 +/- 0.10 J	0.30 +/- 0.15	0.88 +/- 0.26		0.68 +/- 0.44	
SD-DU-002	SAIC04	Surface	Alpha Spec.	pCi/g	0.47 +/- 0.14 LT	0.040 +/- 0.036 J	0.59 +/- 0.16 LT	1.1 +/- 0.22		ND	
SD-DU-002	SAIC04D	Surface	Alpha Spec.	pCi/g	0.62 +/- 0.15	0.034 +/- 0.030 J	0.58 +/- 0.14	1.2 +/- 0.21		0.94 +/- 0.32	
SD-DU-002	SAIC04C	Surface	Alpha Spec.	pCi/g	0.54 +/- 0.10	0.036 +/- 0.023 J	0.58 +/- 0.11	1.2 +/- 0.15		1.1 +/- 0.28	
SD-DU-002	SAIC05	Surface	Alpha Spec.	pCi/g	0.55 +/- 0.22 LT	0.028 +/- 0.076 U	0.67 +/- 0.25 LT	1.2 +/- 0.34		ND	
SD-DU-002	SAIC06	Surface	Alpha Spec.	pCi/g	0.19 +/- 0.074	0.027 +/- 0.028 J	0.13 +/- 0.058	0.35 +/- 0.098		0.67 +/- 0.40	
SD-DU-002	SAIC06D	Surface	Alpha Spec.	pCi/g	0.23 +/- 0.083	0.020 +/- 0.024 J	0.24 +/- 0.084	0.50 +/- 0.12		1.0 +/- 0.51	
SD-DU-002	SAIC06C	Surface	Alpha Spec.	pCi/g	0.21 +/- 0.055	0.023 +/- 0.018 J	0.17 +/- 0.048	0.41 +/- 0.076		0.79 +/- 0.31	
SD-DU-002	SAIC07	Surface	Alpha Spec.	pCi/g	0.19 +/- 0.061	-1.0E-03 +/- 0.015 U	0.20 +/- 0.063	0.38 +/- 0.089		1.1 +/- 0.49	
SD-DU-002	SAIC08	Surface	Alpha Spec.	pCi/g	0.26 +/- 0.093	0.033 +/- 0.035 U	0.29 +/- 0.099	0.58 +/- 0.14		1.1 +/- 0.56	
SD-DU-002	SAIC09E	Surface	Alpha Spec.	pCi/g	0.25 +/- 0.13 J	0.035 +/- 0.051 U	0.33 +/- 0.16	0.61 +/- 0.23		1.3 +/- 0.97	
SD-DU-002	SAIC10E	Surface	Alpha Spec.	pCi/g	0.76 +/- 0.19	0.033 +/- 0.024 J	0.81 +/- 0.20	1.6 +/- 0.36		1.1 +/- 0.37	
SD-DU-002	SAIC11E	Surface	Alpha Spec.	pCi/g	0.58 +/- 0.11	0.054 +/- 0.034 J	0.66 +/- 0.12	1.3 +/- 0.17		1.1 +/- 0.30	
SD-DU-002	SAIC12E	Surface	Alpha Spec.	pCi/g	0.37 +/- 0.084	0.031 +/- 0.025 J	0.50 +/- 0.100	0.90 +/- 0.13		1.3 +/- 0.41	
SD-DU-002	SAIC13E	Surface	Alpha Spec.	pCi/g	0.60 +/- 0.11	0.013 +/- 0.019 U	0.56 +/- 0.11	1.2 +/- 0.16		0.93 +/- 0.25	
SD-DU-002	SAIC14E	Surface	Alpha Spec.	pCi/g	0.38 +/- 0.085	0.016 +/- 0.021 U	0.36 +/- 0.082	0.76 +/- 0.12		0.94 +/- 0.30	
SD-DU-002	SAIC15E	Surface	Alpha Spec.	pCi/g	0.48 +/- 0.10	0.034 +/- 0.028 J	0.70 +/- 0.13	1.2 +/- 0.17		1.5 +/- 0.41	
SD-DU-002	SAIC15DE	Surface	Alpha Spec.	pCi/g	0.50 +/- 0.10	0.031 +/- 0.027 J	0.66 +/- 0.12	1.2 +/- 0.16		1.3 +/- 0.36	
SD-DU-002	SAIC15EC	Surface	Alpha Spec.	pCi/g	0.49 +/- 0.071	0.032 +/- 0.019 J	0.68 +/- 0.088	1.2 +/- 0.11		1.4 +/- 0.27	
SD-DU-002	SAIC16E	Surface	Alpha Spec.	pCi/g	0.22 +/- 0.062	0.033 +/- 0.025 J	0.36 +/- 0.080	0.62 +/- 0.10		1.6 +/- 0.57	
SD-DU-002	SAIC16DE	Surface	Alpha Spec.	pCi/g	0.23 +/- 0.062	0.012 +/- 0.016 U	0.39 +/- 0.083	0.63 +/- 0.10		1.7 +/- 0.58	
SD-DU-002	SAIC16EC	Surface	Alpha Spec.	pCi/g	0.23 +/- 0.044	0.018 +/- 0.013 U	0.37 +/- 0.058	0.62 +/- 0.074		1.7 +/- 0.41	
SD-DU-002	SAIC17E	Surface	Alpha Spec.	pCi/g	0.59 +/- 0.11	0.025 +/- 0.024 J	0.60 +/- 0.11	1.2 +/- 0.16		1.0 +/- 0.27	
SD-DU-002	SAIC17DE	Surface	Alpha Spec.	pCi/g	0.54 +/- 0.10	0.030 +/- 0.024 J	0.74 +/- 0.12	1.3 +/- 0.16		1.4 +/- 0.34	
SD-DU-002	SAIC17EC	Surface	Alpha Spec.	pCi/g	0.56 +/- 0.074	0.028 +/- 0.017 J	0.66 +/- 0.081	1.3 +/- 0.11		1.2 +/- 0.21	
SD-DU-002	SAIC18E	Surface	Alpha Spec.	pCi/g	0.41 +/- 0.085	0.017 +/- 0.018 U	0.46 +/- 0.091	0.89 +/- 0.13		1.1 +/- 0.32	
SD-DU-002	SAIC18DE	Surface	Alpha Spec.	pCi/g	0.46 +/- 0.093	0.010 +/- 0.014 U	0.49 +/- 0.097	0.95 +/- 0.14		1.1 +/- 0.31	
SD-DU-002	SAIC18EC	Surface	Alpha Spec.	pCi/g	0.43 +/- 0.063	0.013 +/- 0.011 U	0.47 +/- 0.066	0.92 +/- 0.092		1.1 +/- 0.22	
SD-DU-003	SAIC1098	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.60 +/- 1.0 U	0.60 +/- 1.0 U		ND	
SD-DU-003	SAIC1099	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.70 +/- 2.0 U	0.70 +/- 2.0 U		ND	
SD-DU-003	SAIC0400	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	4.0 +/- 1.0	4.0 +/- 1.0		ND	
SD-DU-003	SAIC1000	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.0 +/- 1.0	1.0 +/- 1.0		ND	
SD-DU-003	SAIC0401	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	3.0 +/- 2.0 J	3.0 +/- 2.0 J		ND	
SD-DU-003	SAIC1001	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.60 +/- 1.0 U	0.60 +/- 1.0 U		ND	
SD-DU-003	SAIC0402	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.40 +/- 1.0 U	0.40 +/- 1.0 U		ND	
SD-DU-003	SAIC1002	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.0 +/- 1.0	1.0 +/- 1.0		ND	

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)							DU Presence U-238/U-234 Ratio Weight Percent U-235	
					U-234		U-235		U-238		Total Uranium		
SD-DU-003	SAIC0403	Surface	Gamma Spec.*	pCi/g	--	--	--	--	0.21 +/- 0.15	U	0.21 +/- 0.15	U	ND
SD-DU-003	SAIC01	Surface	Alpha Spec.	pCi/g	0.63 +/- 0.13		0.032 +/- 0.022	J	0.56 +/- 0.12		1.2 +/- 0.18		0.89 +/- 0.26
SD-DU-003	SAIC02	Surface	Alpha Spec.	pCi/g	0.84 +/- 0.25	LT	0.13 +/- 0.093	J	0.83 +/- 0.25	J	1.8 +/- 0.37		ND
SD-DU-003	SAIC03	Surface	Alpha Spec.	pCi/g	0.84 +/- 0.27	J	0.13 +/- 0.11	J	0.74 +/- 0.25	LT	1.7 +/- 0.38		ND
SD-DU-003	SAIC03D	Surface	Alpha Spec.	pCi/g	0.68 +/- 0.23	J	0.072 +/- 0.073	J	0.65 +/- 0.22		1.4 +/- 0.33		0.96 +/- 0.46
SD-DU-003	SAIC03C	Surface	Alpha Spec.	pCi/g	0.75 +/- 0.18	J	0.090 +/- 0.061	J	0.69 +/- 0.17		1.5 +/- 0.25		0.92 +/- 0.31
SD-DU-003	SAIC04	Surface	Alpha Spec.	pCi/g	0.55 +/- 0.14	LT	0.032 +/- 0.033	U	0.56 +/- 0.14	LT	1.1 +/- 0.20		ND
SD-DU-003	SAIC05	Surface	Alpha Spec.	pCi/g	0.66 +/- 0.25	LT	0.015 +/- 0.081	U	0.57 +/- 0.23	LT	1.2 +/- 0.35		ND
SD-DU-003	SAIC06	Surface	Alpha Spec.	pCi/g	0.67 +/- 0.17		0.050 +/- 0.039	J	0.60 +/- 0.16		1.3 +/- 0.24		0.90 +/- 0.33
SD-DU-003	SAIC07	Surface	Alpha Spec.	pCi/g	0.82 +/- 0.18		0.044 +/- 0.029	J	0.91 +/- 0.19		1.8 +/- 0.26		1.1 +/- 0.33
SD-DU-003	SAIC08	Surface	Alpha Spec.	pCi/g	1.2 +/- 0.27		0.048 +/- 0.042	U	0.94 +/- 0.22		2.2 +/- 0.35		0.78 +/- 0.25
SD-DU-003	SAIC08D	Surface	Alpha Spec.	pCi/g	1.0 +/- 0.23		0.025 +/- 0.028	U	0.90 +/- 0.21		2.0 +/- 0.31		0.87 +/- 0.28
SD-DU-003	SAIC08C	Surface	Alpha Spec.	pCi/g	1.1 +/- 0.18		0.032 +/- 0.023	U	0.92 +/- 0.15		2.1 +/- 0.23		0.83 +/- 0.19
SD-DU-003	SAIC09E	Surface	Alpha Spec.	pCi/g	0.51 +/- 0.20		0.018 +/- 0.035	U	0.64 +/- 0.24		1.2 +/- 0.35		1.3 +/- 0.69
SD-DU-003	SAIC10E	Surface	Alpha Spec.	pCi/g	0.65 +/- 0.16		0.033 +/- 0.023	J	0.77 +/- 0.19		1.5 +/- 0.32		1.2 +/- 0.41
SD-DU-003	SAIC11E	Surface	Alpha Spec.	pCi/g	0.71 +/- 0.12		0.018 +/- 0.024	U	0.56 +/- 0.11		1.3 +/- 0.16		0.79 +/- 0.20
SD-DU-003	SAIC11DE	Surface	Alpha Spec.	pCi/g	0.82 +/- 0.14		0.024 +/- 0.024	U	0.81 +/- 0.14		1.7 +/- 0.20		0.99 +/- 0.24
SD-DU-003	SAIC11EC	Surface	Alpha Spec.	pCi/g	0.76 +/- 0.091		0.021 +/- 0.017	U	0.66 +/- 0.086		1.4 +/- 0.13		0.87 +/- 0.15
SD-DU-003	SAIC12E	Surface	Alpha Spec.	pCi/g	0.80 +/- 0.14		0.034 +/- 0.029	J	0.84 +/- 0.14		1.7 +/- 0.20		1.1 +/- 0.25
SD-DU-003	SAIC13E	Surface	Alpha Spec.	pCi/g	0.85 +/- 0.14		0.076 +/- 0.040	J	0.80 +/- 0.13		1.7 +/- 0.20		0.94 +/- 0.22
SD-DU-003	SAIC14E	Surface	Alpha Spec.	pCi/g	0.67 +/- 0.12		0.051 +/- 0.032	J	0.64 +/- 0.11		1.4 +/- 0.17		0.96 +/- 0.24
SD-DU-003	SAIC15E	Surface	Alpha Spec.	pCi/g	0.69 +/- 0.12		0.040 +/- 0.029	J	0.75 +/- 0.13		1.5 +/- 0.18		1.1 +/- 0.27
SD-DU-003	SAIC16E	Surface	Alpha Spec.	pCi/g	0.39 +/- 0.079		0.0070 +/- 0.012	U	0.36 +/- 0.075		0.75 +/- 0.11		0.92 +/- 0.27
SD-DU-003	SAIC17E	Surface	Alpha Spec.	pCi/g	0.71 +/- 0.12		0.027 +/- 0.023	J	0.70 +/- 0.12		1.4 +/- 0.17		0.99 +/- 0.24
SD-DU-003	SAIC18E	Surface	Alpha Spec.	pCi/g	0.50 +/- 0.096		0.014 +/- 0.016	J	0.42 +/- 0.086		0.93 +/- 0.13		0.84 +/- 0.24
SD-DU-004	SAIC1098	Surface	Gamma Spec.*	pCi/g	--	--	--	--	0.40 +/- 1.0	U	0.40 +/- 1.0	U	ND
SD-DU-004	SAIC0499S	Surface	Gamma Spec.*	pCi/g	--	--	--	--	1.0 +/- 1.0		1.0 +/- 1.0		ND
SD-DU-004	SAIC1099	Surface	Gamma Spec.*	pCi/g	--	--	--	--	2.0 +/- 0.90		2.0 +/- 0.90		ND
SD-DU-004	SAIC0400	Surface	Gamma Spec.*	pCi/g	--	--	--	--	2.0 +/- 1.0		2.0 +/- 1.0		ND
SD-DU-004	SAIC1000	Surface	Gamma Spec.*	pCi/g	--	--	--	--	2.0 +/- 1.0		2.0 +/- 1.0		ND
SD-DU-004	SAIC0401	Surface	Gamma Spec.*	pCi/g	--	--	--	--	0.050 +/- 2.0	U	0.050 +/- 2.0	U	ND
SD-DU-004	SAIC1001	Surface	Gamma Spec.*	pCi/g	--	--	--	--	1.0 +/- 1.0	U	1.0 +/- 1.0	U	ND
SD-DU-004	SAIC0402	Surface	Gamma Spec.*	pCi/g	--	--	--	--	1.0 +/- 1.0		1.0 +/- 1.0		ND
SD-DU-004	SAIC1002	Surface	Gamma Spec.*	pCi/g	--	--	--	--	2.0 +/- 1.0		2.0 +/- 1.0		ND
SD-DU-004	SAIC0403	Surface	Gamma Spec.*	pCi/g	--	--	--	--	-1.8E-02 +/- 0.27	U	-1.8E-02 +/- 0.27	U	ND
SD-DU-004	SAIC01	Surface	Alpha Spec.	pCi/g	0.39 +/- 0.094		0.033 +/- 0.024	J	0.41 +/- 0.098		0.84 +/- 0.14		1.1 +/- 0.36
SD-DU-004	SAIC01D	Surface	Alpha Spec.	pCi/g	0.14 +/- 0.049		0.012 +/- 0.014	J	0.26 +/- 0.071		0.41 +/- 0.087		1.8 +/- 0.81
SD-DU-004	SAIC01C	Surface	Alpha Spec.	pCi/g	0.19 +/- 0.043		0.017 +/- 0.012	J	0.31 +/- 0.057		0.53 +/- 0.074		1.6 +/- 0.47
SD-DU-004	SAIC02	Surface	Alpha Spec.	pCi/g	0.083 +/- 0.075	U	0.016 +/- 0.058	U	0.11 +/- 0.080	J	0.21 +/- 0.12		ND
SD-DU-004	SAIC03	Surface	Alpha Spec.	pCi/g	0.38 +/- 0.18	J	0.059 +/- 0.077	U	0.31 +/- 0.16	J	0.75 +/- 0.25		0.82 +/- 0.57
SD-DU-004	SAIC04	Surface	Alpha Spec.	pCi/g	0.15 +/- 0.062	LT	0.016 +/- 0.022	U	0.12 +/- 0.055	LT	0.28 +/- 0.086		ND
SD-DU-004	SAIC05	Surface	Alpha Spec.	pCi/g	0.38 +/- 0.18	LT	0 +/- 0.079	U	0.36 +/- 0.18	LT	0.74 +/- 0.27		ND
SD-DU-004	SAIC05D	Surface	Alpha Spec.	pCi/g	0.44 +/- 0.19	LT	0.017 +/- 0.074	U	0.42 +/- 0.19	LT	0.88 +/- 0.28		ND
SD-DU-004	SAIC05C	Surface	Alpha Spec.	pCi/g	0.41 +/- 0.13	LT	0.0091 +/- 0.054	U	0.39 +/- 0.13	LT	0.81 +/- 0.19		ND
SD-DU-004	SAIC06	Surface	Alpha Spec.	pCi/g	0.31 +/- 0.097		0.023 +/- 0.026	U	0.34 +/- 0.10		0.68 +/- 0.14		1.1 +/- 0.46
SD-DU-004	SAIC07	Surface	Alpha Spec.	pCi/g	1.2 +/- 0.26		0.035 +/- 0.030	U	1.1 +/- 0.24		2.4 +/- 0.35		0.93 +/- 0.28
SD-DU-004	SAIC08	Surface	Alpha Spec.	pCi/g	0.14 +/- 0.066		0.0050 +/- 0.027	U	0.16 +/- 0.071		0.30 +/- 0.10		1.2 +/- 0.76
SD-DU-004	SAIC09E	Surface	Alpha Spec.	pCi/g	0.12 +/- 0.083	J	0	U	0.12 +/- 0.083	J	0.24 +/- 0.12		0.99 +/- 0.98
SD-DU-004	SAIC10E	Surface	Alpha Spec.	pCi/g	0.10 +/- 0.040		0 +/- 0.14	U	0.12 +/- 0.046		0.22 +/- 0.069		1.2 +/- 0.67
SD-DU-004	SAIC11E	Surface	Alpha Spec.	pCi/g	0.21 +/- 0.063		0.057 +/- 0.036	J	0.22 +/- 0.065		0.49 +/- 0.097		1.1 +/- 0.46
SD-DU-004	SAIC12E	Surface	Alpha Spec.	pCi/g	0.32 +/- 0.089		0.016 +/- 0.023	U	0.41 +/- 0.10		0.75 +/- 0.14		1.3 +/- 0.47
SD-DU-004	SAIC13E	Surface	Alpha Spec.	pCi/g	0.11 +/- 0.041		0.013 +/- 0.015	J	0.16 +/- 0.049		0.28 +/- 0.066		1.4 +/- 0.68
SD-DU-004	SAIC14E	Surface	Alpha Spec.	pCi/g	0.13 +/- 0.045	J	0 +/- 0.0046	U	0.097 +/- 0.039	J	0.23 +/- 0.060		0.75 +/- 0.40
SD-DU-004	SAIC15E	Surface	Alpha Spec.	pCi/g	0.16 +/- 0.050		0.018 +/- 0.018	J	0.45 +/- 0.089		0.63 +/- 0.10		2.9 +/- 1.1

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)				DU Presence	
					U-234	U-235	U-238	Total Uranium	U-238/U-234 Ratio	Weight Percent U-235
SD-DU-004	SAIC16E	Surface	Alpha Spec.	pCi/g	0.17 +/- 0.053	0.021 +/- 0.021 U	0.18 +/- 0.055	0.37 +/- 0.079		1.1 +/- 0.46
SD-DU-004	SAIC17E	Surface	Alpha Spec.	pCi/g	0.10 +/- 0.044	0.0070 +/- 0.016 U	0.14 +/- 0.052	0.26 +/- 0.070		1.4 +/- 0.77
SD-DU-004	SAIC18E	Surface	Alpha Spec.	pCi/g	0.28 +/- 0.075	0.011 +/- 0.016 U	0.31 +/- 0.080	0.60 +/- 0.11		1.1 +/- 0.42
SD-DU-005	SAIC1098	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	3.0 +/- 1.0	3.0 +/- 1.0		ND
SD-DU-005	SAIC0499	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.20 +/- 2.0 U	0.20 +/- 2.0 U		ND
SD-DU-005	SAIC1099	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.80 +/- 1.0 U	0.80 +/- 1.0 U		ND
SD-DU-005	SAIC0400	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 1.0	2.0 +/- 1.0		ND
SD-DU-005	SAIC1000	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.0 +/- 1.0	1.0 +/- 1.0		ND
SD-DU-005	SAIC0401	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 2.0	2.0 +/- 2.0		ND
SD-DU-005	SAIC1001	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.0 +/- 2.0 U	1.0 +/- 2.0 U		ND
SD-DU-005	SAIC0402	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.40 +/- 1.0 U	0.40 +/- 1.0 U		ND
SD-DU-005	SAIC1002	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.0 +/- 1.0	1.0 +/- 1.0		ND
SD-DU-005	SAIC0403	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	-1.5E-02 +/- 0.28 U	-1.5E-02 +/- 0.28 U		ND
SD-DU-005	SAIC01	Surface	Alpha Spec.	pCi/g	0.25 +/- 0.066	0.0060 +/- 0.012 U	0.30 +/- 0.076	0.56 +/- 0.10		1.2 +/- 0.44
SD-DU-005	SAIC02	Surface	Alpha Spec.	pCi/g	0.32 +/- 0.15 LT	0.053 +/- 0.064 J	0.50 +/- 0.19 J	0.87 +/- 0.25		ND
SD-DU-005	SAIC02D	Surface	Alpha Spec.	pCi/g	0.30 +/- 0.14	0.013 +/- 0.061 U	0.48 +/- 0.18 J	0.79 +/- 0.24		1.6 +/- 0.96
SD-DU-005	SAIC02C	Surface	Alpha Spec.	pCi/g	0.31 +/- 0.10	0.032 +/- 0.044 U	0.49 +/- 0.13 J	0.83 +/- 0.17		1.6 +/- 0.67
SD-DU-005	SAIC03	Surface	Alpha Spec.	pCi/g	0.32 +/- 0.15 J	0.047 +/- 0.066 U	0.34 +/- 0.16 LT	0.71 +/- 0.23		ND
SD-DU-005	SAIC04	Surface	Alpha Spec.	pCi/g	0.26 +/- 0.084 LT	0.023 +/- 0.025 U	0.66 +/- 0.16 LT	0.94 +/- 0.18		ND
SD-DU-005	SAIC05	Surface	Alpha Spec.	pCi/g	0.28 +/- 0.16 J	-4.0E-03 +/- 0.084 U	0.24 +/- 0.15 J	0.52 +/- 0.24		0.86 +/- 0.73
SD-DU-005	SAIC06	Surface	Alpha Spec.	pCi/g	0.23 +/- 0.083	0.026 +/- 0.028 U	0.31 +/- 0.099	0.57 +/- 0.13		1.3 +/- 0.64
SD-DU-005	SAIC07	Surface	Alpha Spec.	pCi/g	0.23 +/- 0.070	0.0030 +/- 0.015 U	0.22 +/- 0.066	0.45 +/- 0.097		0.93 +/- 0.40
SD-DU-005	SAIC08	Surface	Alpha Spec.	pCi/g	0.28 +/- 0.094	0.028 +/- 0.028 J	0.32 +/- 0.10	0.63 +/- 0.14		1.2 +/- 0.53
SD-DU-005	SAIC09E	Surface	Alpha Spec.	pCi/g	0.26 +/- 0.14 J	0	0.32 +/- 0.15	0.58 +/- 0.22		1.2 +/- 0.86
SD-DU-005	SAIC10E	Surface	Alpha Spec.	pCi/g	0.22 +/- 0.070	0.020 +/- 0.019 J	0.38 +/- 0.11	0.63 +/- 0.16		1.7 +/- 0.72
SD-DU-005	SAIC11E	Surface	Alpha Spec.	pCi/g	0.14 +/- 0.049	0.015 +/- 0.017 J	0.23 +/- 0.063	0.38 +/- 0.082		1.6 +/- 0.72
SD-DU-005	SAIC12E	Surface	Alpha Spec.	pCi/g	0.10 +/- 0.042	0.0030 +/- 0.011 U	0.17 +/- 0.055	0.28 +/- 0.070		1.7 +/- 0.87
SD-DU-005	SAIC12DE	Surface	Alpha Spec.	pCi/g	0.13 +/- 0.048	0.019 +/- 0.021 U	0.18 +/- 0.057	0.32 +/- 0.077		1.4 +/- 0.70
SD-DU-005	SAIC12EC	Surface	Alpha Spec.	pCi/g	0.11 +/- 0.032	0.0064 +/- 0.0097 U	0.17 +/- 0.040	0.29 +/- 0.052		1.5 +/- 0.56
SD-DU-005	SAIC13E	Surface	Alpha Spec.	pCi/g	0.13 +/- 0.046	0.013 +/- 0.017 U	0.29 +/- 0.072	0.44 +/- 0.087		2.2 +/- 0.97
SD-DU-005	SAIC14E	Surface	Alpha Spec.	pCi/g	0.17 +/- 0.054	0.0070 +/- 0.014 U	0.45 +/- 0.092	0.63 +/- 0.11		2.6 +/- 1.00
SD-DU-005	SAIC15E	Surface	Alpha Spec.	pCi/g	0.13 +/- 0.048	0.010 +/- 0.014 U	0.22 +/- 0.063	0.37 +/- 0.080		1.7 +/- 0.76
SD-DU-005	SAIC16E	Surface	Alpha Spec.	pCi/g	0.36 +/- 0.080	0.0070 +/- 0.014 U	0.44 +/- 0.089	0.80 +/- 0.12		1.2 +/- 0.37
SD-DU-005	SAIC17E	Surface	Alpha Spec.	pCi/g	0.17 +/- 0.053	0.034 +/- 0.026 J	0.52 +/- 0.10	0.72 +/- 0.12		3.1 +/- 1.2
SD-DU-005	SAIC18E	Surface	Alpha Spec.	pCi/g	0.18 +/- 0.057	0.0080 +/- 0.014 U	0.40 +/- 0.086	0.59 +/- 0.10		2.2 +/- 0.82
SD-DU-005	SAIC18E	Surface	ICP-MS	mg/kg	0.0050 U	0.0026 J	0.90 J	0.90		ND
SD-DU-006	SAIC1098	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 1.0	2.0 +/- 1.0		ND
SD-DU-006	SAIC0499	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	3.0 +/- 2.0 J	3.0 +/- 2.0 J		ND
SD-DU-006	SAIC1099	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.60 +/- 1.0 U	0.60 +/- 1.0 U		ND
SD-DU-006	SAIC0400	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 2.0	2.0 +/- 2.0		ND
SD-DU-006	SAIC1000	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.20 +/- 1.0 U	0.20 +/- 1.0 U		ND
SD-DU-006	SAIC0401	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	2.0 +/- 1.0	2.0 +/- 1.0		ND
SD-DU-006	SAIC0402	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	1.0 +/- 1.0	1.0 +/- 1.0		ND
SD-DU-006	SAIC1002	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.20 +/- 1.0 U	0.20 +/- 1.0 U		ND
SD-DU-006	SAIC0403	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	0.082 +/- 0.091 U	0.082 +/- 0.091 U		ND
SD-DU-006	SAIC01	Surface	Alpha Spec.	pCi/g	0.73 +/- 0.15	0.024 +/- 0.019 J	0.68 +/- 0.14	1.4 +/- 0.21		0.93 +/- 0.27
SD-DU-006	SAIC02	Surface	Alpha Spec.	pCi/g	0.26 +/- 0.13 LT	0 +/- 0.062 U	0.27 +/- 0.13 J	0.53 +/- 0.19		ND
SD-DU-006	SAIC03	Surface	Alpha Spec.	pCi/g	0.63 +/- 0.22 J	0.013 +/- 0.062 U	0.52 +/- 0.19 LT	1.2 +/- 0.30		ND
SD-DU-006	SAIC04	Surface	Alpha Spec.	pCi/g	0.74 +/- 0.18 LT	0.033 +/- 0.030 J	0.67 +/- 0.16 LT	1.4 +/- 0.24		ND
SD-DU-006	SAIC05	Surface	Alpha Spec.	pCi/g	0.46 +/- 0.23 LT	0.050 +/- 0.10 U	0.50 +/- 0.24 LT	1.0 +/- 0.35		ND
SD-DU-006	SAIC06	Surface	Alpha Spec.	pCi/g	0.84 +/- 0.20	0.018 +/- 0.024 U	0.75 +/- 0.18	1.6 +/- 0.27		0.89 +/- 0.30
SD-DU-006	SAIC07	Surface	Alpha Spec.	pCi/g	0.42 +/- 0.11	0.040 +/- 0.027 J	0.41 +/- 0.11	0.87 +/- 0.16		0.98 +/- 0.37
SD-DU-006	SAIC08	Surface	Alpha Spec.	pCi/g	0.79 +/- 0.20	0.046 +/- 0.039 J	0.63 +/- 0.16	1.5 +/- 0.26		0.80 +/- 0.29
SD-DU-006	SAIC09E	Surface	Alpha Spec.	pCi/g	0.45 +/- 0.19	0	0.32 +/- 0.15	0.77 +/- 0.26		0.73 +/- 0.46

Total and Isotopic Uranium Results for Soil and Sediment Samples

Total and Isotopic Uranium Results for GRI and Sediment Samples												
Field		Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)						DU Presence	
Sample ID	Sample Number				U-234	U-235	U-238	Total Uranium	U-238/U-234 Ratio	Weight Percent U-235		
SD-DU-006	SAIC10E	Surface	Alpha Spec.	pCi/g	0.21 +/- 0.069	0.023 +/- 0.020	J	0.20 +/- 0.066	0.43 +/- 0.12		0.94 +/- 0.44	
SD-DU-006	SAIC11E	Surface	Alpha Spec.	pCi/g	0.36 +/- 0.094	0.058 +/- 0.040	J	0.37 +/- 0.094	0.79 +/- 0.14		1.0 +/- 0.37	
SD-DU-006	SAIC12E	Surface	Alpha Spec.	pCi/g	0.44 +/- 0.092	0.035 +/- 0.027	J	0.44 +/- 0.092	0.92 +/- 0.13		1.0 +/- 0.30	
SD-DU-006	SAIC13E	Surface	Alpha Spec.	pCi/g	0.34 +/- 0.079	0.0060 +/- 0.015	U	0.31 +/- 0.075	0.65 +/- 0.11		0.91 +/- 0.31	
SD-DU-006	SAIC13DE	Surface	Alpha Spec.	pCi/g	0.29 +/- 0.073	0.010 +/- 0.014	U	0.29 +/- 0.073	0.59 +/- 0.10		1.0 +/- 0.36	
SD-DU-006	SAIC13EC	Surface	Alpha Spec.	pCi/g	0.31 +/- 0.054	0.0081 +/- 0.010	U	0.30 +/- 0.052	0.61 +/- 0.076		0.96 +/- 0.24	
SD-DU-006	SAIC14E	Surface	Alpha Spec.	pCi/g	0.76 +/- 0.12	0.032 +/- 0.024	J	0.61 +/- 0.11	1.4 +/- 0.16		0.80 +/- 0.19	
SD-DU-006	SAIC14DE	Surface	Alpha Spec.	pCi/g	0.66 +/- 0.11	0.023 +/- 0.021	J	0.47 +/- 0.093	1.2 +/- 0.15		0.72 +/- 0.18	
SD-DU-006	SAIC14EC	Surface	Alpha Spec.	pCi/g	0.71 +/- 0.081	0.027 +/- 0.016	J	0.53 +/- 0.071	1.3 +/- 0.11		0.75 +/- 0.13	
SD-DU-006	SAIC15E	Surface	Alpha Spec.	pCi/g	0.77 +/- 0.13	0.033 +/- 0.029	J	0.74 +/- 0.13	1.5 +/- 0.19		0.96 +/- 0.23	
SD-DU-006	SAIC16E	Surface	Alpha Spec.	pCi/g	0.60 +/- 0.11	0.0070 +/- 0.014	U	0.58 +/- 0.11	1.2 +/- 0.16		0.97 +/- 0.25	
SD-DU-006	SAIC17E	Surface	Alpha Spec.	pCi/g	0.48 +/- 0.097	0.030 +/- 0.025	J	0.49 +/- 0.098	1.0 +/- 0.14		1.0 +/- 0.29	
SD-DU-006	SAIC18E	Surface	Alpha Spec.	pCi/g	0.53 +/- 0.10	0.025 +/- 0.024	U	0.45 +/- 0.092	1.0 +/- 0.14		0.84 +/- 0.24	
SD-DU-007	SAIC1098	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	0.30 +/- 2.0	U	0.30 +/- 2.0	U	ND
SD-DU-007	SAIC0499	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	0.10 +/- 1.0	U	0.10 +/- 1.0	U	ND
SD-DU-007	SAIC1099	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	3.0 +/- 1.0		3.0 +/- 1.0		ND
SD-DU-007	SAIC0400	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	2.0 +/- 2.0		2.0 +/- 2.0		ND
SD-DU-007	SAIC1000	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	2.0 +/- 2.0		2.0 +/- 2.0		ND
SD-DU-007	SAIC0401	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	2.0 +/- 2.0		2.0 +/- 2.0		ND
SD-DU-007	SAIC1001	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	3.0 +/- 2.0	J	3.0 +/- 2.0	J	ND
SD-DU-007	SAIC0402	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	1.0 +/- 2.0		1.0 +/- 2.0		ND
SD-DU-007	SAIC1002	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	2.0 +/- 2.0		2.0 +/- 2.0		ND
SD-DU-007	SAIC0403	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	0.14 +/- 0.13	U	0.14 +/- 0.13	U	ND
SD-DU-007	SAIC01	Surface	Alpha Spec.	pCi/g	1.5 +/- 0.29	0.081 +/- 0.047	J	1.3 +/- 0.26		2.8 +/- 0.39		0.88 +/- 0.25
SD-DU-007	SAIC02	Surface	Alpha Spec.	pCi/g	0.39 +/- 0.18	LT	0 +/- 0.079	U	0.52 +/- 0.22	J	0.91 +/- 0.29	ND
SD-DU-007	SAIC03	Surface	Alpha Spec.	pCi/g	0.74 +/- 0.25	J	0.090 +/- 0.086	U	0.66 +/- 0.23	LT	1.5 +/- 0.35	ND
SD-DU-007	SAIC04	Surface	Alpha Spec.	pCi/g	0.74 +/- 0.17	LT	0.034 +/- 0.031	J	0.84 +/- 0.19	LT	1.6 +/- 0.26	ND
SD-DU-007	SAIC05	Surface	Alpha Spec.	pCi/g	0.45 +/- 0.20	LT	0.046 +/- 0.081	U	0.29 +/- 0.16	J	0.79 +/- 0.27	ND
SD-DU-007	SAIC06	Surface	Alpha Spec.	pCi/g	0.52 +/- 0.14		0.029 +/- 0.031	U	0.44 +/- 0.13		0.99 +/- 0.19	0.85 +/- 0.34
SD-DU-007	SAIC07	Surface	Alpha Spec.	pCi/g	0.91 +/- 0.20		0.046 +/- 0.032	J	0.75 +/- 0.17		1.7 +/- 0.26	0.82 +/- 0.26
SD-DU-007	SAIC08	Surface	Alpha Spec.	pCi/g	0.98 +/- 0.23		0.062 +/- 0.044	J	0.82 +/- 0.20		1.9 +/- 0.31	0.84 +/- 0.28
SD-DU-007	SAIC09E	Surface	Alpha Spec.	pCi/g	0.43 +/- 0.18		0.036 +/- 0.053	U	0.44 +/- 0.19		0.90 +/- 0.30	1.0 +/- 0.62
SD-DU-007	SAIC10E	Surface	Alpha Spec.	pCi/g	0.32 +/- 0.091	J	0.023 +/- 0.020	J	0.28 +/- 0.083	J	0.63 +/- 0.16	0.89 +/- 0.36
SD-DU-007	SAIC11E	Surface	Alpha Spec.	pCi/g	0.72 +/- 0.13		0.073 +/- 0.041	J	0.78 +/- 0.14		1.6 +/- 0.20	1.1 +/- 0.28
SD-DU-007	SAIC12E	Surface	Alpha Spec.	pCi/g	0.62 +/- 0.11		0.034 +/- 0.028	J	0.75 +/- 0.13		1.4 +/- 0.17	1.2 +/- 0.30
SD-DU-007	SAIC13E	Surface	Alpha Spec.	pCi/g	0.21 +/- 0.061		0 +/- 0.0049	U	0.20 +/- 0.059		0.41 +/- 0.085	0.92 +/- 0.38
SD-DU-007	SAIC14E	Surface	Alpha Spec.	pCi/g	0.38 +/- 0.081		0.012 +/- 0.018	U	0.33 +/- 0.073		0.72 +/- 0.11	0.86 +/- 0.27
SD-DU-007	SAIC15E	Surface	Alpha Spec.	pCi/g	0.72 +/- 0.13		0.026 +/- 0.025	J	0.77 +/- 0.13		1.5 +/- 0.19	1.1 +/- 0.26
SD-DU-007	SAIC16E	Surface	Alpha Spec.	pCi/g	0.61 +/- 0.11		0.028 +/- 0.026	J	0.68 +/- 0.12		1.3 +/- 0.16	1.1 +/- 0.28
SD-DU-007	SAIC17E	Surface	Alpha Spec.	pCi/g	0.43 +/- 0.092		0.048 +/- 0.032	J	0.54 +/- 0.10		1.0 +/- 0.14	1.3 +/- 0.36
SD-DU-007	SAIC18E	Surface	Alpha Spec.	pCi/g	0.37 +/- 0.082		0.028 +/- 0.023	J	0.32 +/- 0.075		0.72 +/- 0.11	0.85 +/- 0.28
SD-DU-008	SAIC1098	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	0.60 +/- 1.0	U	0.60 +/- 1.0	U	ND
SD-DU-008	SAIC0499	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	0.20 +/- 1.0	U	0.20 +/- 1.0	U	ND
SD-DU-008	SAIC1099	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	0.40 +/- 1.0	U	0.40 +/- 1.0	U	ND
SD-DU-008	SAIC0400	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	0.20 +/- 1.0		0.20 +/- 1.0		ND
SD-DU-008	SAIC1000	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	0.10 +/- 1.0	U	0.10 +/- 1.0	U	ND
SD-DU-008	SAIC0401	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	1.0 +/- 1.0		1.0 +/- 1.0		ND
SD-DU-008	SAIC1001	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	2.0 +/- 1.0		2.0 +/- 1.0		ND
SD-DU-008	SAIC0402	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	1.0 +/- 1.0		1.0 +/- 1.0		ND
SD-DU-008	SAIC1002	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	0.10 +/- 1.0	U	0.10 +/- 1.0	U	ND
SD-DU-008	SAIC0403	Surface	Gamma Spec.*	pCi/g	-- -- --	-- -- --	--	0.14 +/- 0.13	U	0.14 +/- 0.13	U	ND
SD-DU-008	SAIC01	Surface	Alpha Spec.	pCi/g	0.17 +/- 0.051		0.010 +/- 0.012	J	0.19 +/- 0.056		0.37 +/- 0.077	1.1 +/- 0.48
SD-DU-008	SAIC02	Surface	Alpha Spec.	pCi/g	0.40 +/- 0.17	LT	0.017 +/- 0.058	U	0.66 +/- 0.22	J	1.1 +/- 0.28	ND
SD-DU-008	SAIC03	Surface	Alpha Spec.	pCi/g	0.68 +/- 0.24	J	0.044 +/- 0.081	U	0.78 +/- 0.26	LT	1.5 +/- 0.36	ND

Total and Isotopic Uranium Results for Soil and Sediment Samples

Sample ID	Field Sample Number	Depth (feet BLS)	Analysis Method	Units	Uranium Activity/Mass Concentrations (Alpha Spectrometry)							DU Presence	
					U-234		U-235		U-238		Total Uranium	U-238/U-234 Ratio	Weight Percent U-235
SD-DU-008	SAIC04	Surface	Alpha Spec.	pCi/g	0.14 +/- 0.061	LT	0.0060 +/- 0.022	U	0.17 +/- 0.066	LT	0.37 +/- 0.077	ND	
SD-DU-008	SAIC05	Surface	Alpha Spec.	pCi/g	0.71 +/- 0.26	LT	0.053 +/- 0.076	U	0.77 +/- 0.27	LT	1.5 +/- 0.38	ND	
SD-DU-008	SAIC06	Surface	Alpha Spec.	pCi/g	0.29 +/- 0.095		0.0050 +/- 0.024	U	0.27 +/- 0.090		0.57 +/- 0.13	0.93 +/- 0.43	
SD-DU-008	SAIC07	Surface	Alpha Spec.	pCi/g	0.34 +/- 0.096		0.021 +/- 0.023	U	0.49 +/- 0.12		0.85 +/- 0.16	1.4 +/- 0.54	
SD-DU-008	SAIC07D	Surface	Alpha Spec.	pCi/g	0.32 +/- 0.090		0.037 +/- 0.028	J	0.38 +/- 0.10		0.73 +/- 0.14	1.2 +/- 0.47	
SD-DU-008	SAIC07C	Surface	Alpha Spec.	pCi/g	0.33 +/- 0.066		0.027 +/- 0.018	J	0.43 +/- 0.077		0.78 +/- 0.10	1.3 +/- 0.35	
SD-DU-008	SAIC08	Surface	Alpha Spec.	pCi/g	0.26 +/- 0.094		0.0090 +/- 0.026	U	0.21 +/- 0.081		0.48 +/- 0.13	0.79 +/- 0.42	
SD-DU-008	SAIC09E	Surface	Alpha Spec.	pCi/g	0.14 +/- 0.094	J	0	U	0.053 +/- 0.054	J	0.19 +/- 0.11	0.38 +/- 0.46	
SD-DU-008	SAIC10E	Surface	Alpha Spec.	pCi/g	0.70 +/- 0.17	J	0.020 +/- 0.017	J	1.2 +/- 0.27	J	1.9 +/- 0.41	1.7 +/- 0.57	
SD-DU-008	SAIC11E	Surface	Alpha Spec.	pCi/g	0.38 +/- 0.086		0.044 +/- 0.030	J	0.68 +/- 0.12		1.1 +/- 0.15	1.8 +/- 0.51	
SD-DU-008	SAIC12E	Surface	Alpha Spec.	pCi/g	0.47 +/- 0.098		0.027 +/- 0.024	J	0.68 +/- 0.12		1.2 +/- 0.16	1.5 +/- 0.40	
SD-DU-008	SAIC13E	Surface	Alpha Spec.	pCi/g	0.27 +/- 0.072		0.010 +/- 0.015	U	0.48 +/- 0.099		0.76 +/- 0.12	1.8 +/- 0.60	
SD-DU-008	SAIC14E	Surface	Alpha Spec.	pCi/g	0.11 +/- 0.045	J	0.0070 +/- 0.021	U	0.21 +/- 0.061		0.33 +/- 0.079	1.9 +/- 0.95	
SD-DU-008	SAIC15E	Surface	Alpha Spec.	pCi/g	0.45 +/- 0.096		0.041 +/- 0.030	J	0.82 +/- 0.14		1.3 +/- 0.17	1.8 +/- 0.49	
SD-DU-008	SAIC16E	Surface	Alpha Spec.	pCi/g	0.12 +/- 0.043		0.0080 +/- 0.013	U	0.15 +/- 0.049		0.28 +/- 0.066	1.3 +/- 0.61	
SD-DU-008	SAIC17E	Surface	Alpha Spec.	pCi/g	0.41 +/- 0.087		0.030 +/- 0.024	J	0.71 +/- 0.12		1.1 +/- 0.15	1.7 +/- 0.48	
SD-DU-008	SAIC18E	Surface	Alpha Spec.	pCi/g	0.17 +/- 0.054		0.0070 +/- 0.014	U	0.20 +/- 0.058		0.38 +/- 0.080	1.2 +/- 0.50	
SD-DU-009	SAIC1098	Surface	Gamma Spec.*	pCi/g	-- -- --	--	-- -- --	--	2.0 +/- 1.0		2.0 +/- 1.0	ND	
SD-DU-009	SAIC1099	Surface	Gamma Spec.*	pCi/g	-- -- --	--	-- -- --	--	2.0 +/- 0.80		2.0 +/- 0.80	ND	
SD-DU-009	SAIC0400	Surface	Gamma Spec.*	pCi/g	-- -- --	--	-- -- --	--	1.0 +/- 1.0		1.0 +/- 1.0	ND	
SD-DU-009	SAIC1000	Surface	Gamma Spec.*	pCi/g	-- -- --	--	-- -- --	--	1.0 +/- 2.0		1.0 +/- 2.0	ND	
SD-DU-009	SAIC0401	Surface	Gamma Spec.*	pCi/g	-- -- --	--	-- -- --	--	2.0 +/- 2.0		2.0 +/- 2.0	ND	
SD-DU-009	SAIC1001	Surface	Gamma Spec.*	pCi/g	-- -- --	--	-- -- --	--	2.0 +/- 1.0		2.0 +/- 1.0	ND	
SD-DU-009	SAIC0402	Surface	Gamma Spec.*	pCi/g	-- -- --	--	-- -- --	--	0.60 +/- 1.0	U	0.60 +/- 1.0	U	ND
SD-DU-009	SAIC1002	Surface	Gamma Spec.*	pCi/g	-- -- --	--	-- -- --	--	1.0 +/- 2.0		1.0 +/- 2.0	ND	
SD-DU-009	SAIC0403	Surface	Gamma Spec.*	pCi/g	-- -- --	--	-- -- --	--	0.18 +/- 0.11	U	0.18 +/- 0.11	U	ND