Sample Container Logbook

2008 Port Gardner Sediment Investigation
Everett, WA

July – September 2008

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-Ø1, A1-Ø2
Project Number: 01-0236-00-6928-400	**Time Collected:** 1148, 1218
Crew: JN, JN, LD, CE, AG, RM	**Date:** 8/1/08
Comments: Woody debris, oily sheen (slight)	

Sample Container Tag Number	Sample ID	Analysis	Laboratory	
10106	PG-A1-Ø1-S	Sulfides	ARI	4oz
10107	↓	Conventionals	↓	16
10108	↓	Metals	↓	8
10109	↓	Archive	↓	16
10110	↓	SVOCs	↓	16
10111	PG-A1-Ø2-S	Sulfides	ARI	
10112	↓	Archive	↓	
10113	↓	SMS Metals	↓	
10114	↓	Conventionals	↓	
10115	↓	Gravicols	↓	
10116	↓	SVOCs	↓	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-03, A1-04, A1-Ø7
Project Number: 01-0236-00-6928-400	**Time Collected:** 1328, 1351, 1414
Crew: JSN, JMN, LD, RM, CE, AG	**Date:** 8/1/08
Comments: PG-A1-07-S Approx 75-80% Wood	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10117	PG-A1-03-S	Total Sulfides	ARI
10118	↓	Metals / TBT	↓
10119	↓	Conventionals	↓
10120	↓	Archive	↓
10121	↓	SVOCs	↓
10122	↓	Dioxins	Axys
10123	PG-A1-Ø4-S	Archive	ARI
10124	↓	↓	↓
10125	↓	↓	↓
10126	PG-A1-Ø7-S	Total Sulfide,	ARI
10127	↓	Metals	↓
10128	↓	Conventionals	↓
10129	↓	Archive	↓
10130	↓	SVOCs	↓

402

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-10, A1-11, A1-12
Project Number: 01-0236-00-6928-400	**Time Collected:** 1445, 1501, 1518
Crew: JMN, JSN, CE, RM, LD, AG	**Date:** 8/1/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10131	PG-A1-10-S	Total sulfides	ARI
10132	↓	Archive	↓
10133	↓	SVOCs	↓
10134	↓	Conventional	↓
10135	↓	Dioxins	Axys
10136	↓	Metals	ARI
10137	PG-A1-11-S	Archive	ARI
10138	↓	↓	↓
10139	↓	↓	↓
10140	PG-A1-12-S	Archive	ARI
10141	↓	↓	↓
10142	↓	↓	↓

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-15
Project Number: 01-0236-00-6928-400	**Time Collected:** 1533
Crew: JHN, JSW, LD, RM, CE, AG	**Date:** 8/1/08
Comments: Triplicate convent; sulfides collected at A1-15	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10143	PG-A1-15-S	Total sulfides	ART
10144	PG-A1-15-D	"	↓
10145	PG-A1-15-T	"	↓
10146	PA-A1-15-S	Metals / TBT	↓
10147	↓	Archive	↓
10148	↓	SVOCs	↓
10149	↓	Convent.	↓
10150	PG-A1-15-D	↓	↓
10151	PG-A1-15-T	↓	↓

Notes:

Completed by: JL

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-16
Project Number: 01-0236-00-6928-400	**Time Collected:** 11:33
Crew: JMN, JLN, AG, CE, Colin Ray	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10152	PG-A1-16-S	T. Sulfides	
10153		Conventionals	
10154		SVOCs	
10155		Metals	
10156		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** PG-A1-17-S
Project Number: 01-0236-00-6928-400	**Time Collected:** 11:48
Crew: SMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10157	PG-A1-17-S	Archive	
10158	↓	"	
10159		"	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-18
Project Number: 01-0236-00-6928-400	**Time Collected:** 12:01
Crew: JMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10160	PG-A1-18-S	Total Sulfides	
10161		SVOCs	
10162		Conventionals	
10163		Metals	
10164		Dioxins	
10165		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-20
Project Number: 01-0236-00-6928-400	**Time Collected:** 12:19
Crew: JMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10166	PG-A1-20-S	ArchNc	
10167	↓	↓	
10168	↓	↓	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-23
Project Number: 01-0236-00-6928-400	**Time Collected:** 12:41
Crew: JMN, JLN, CE, AG, Colin Ray	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10169	PG-A1-23-S	Total Sulfides	
10170		Conventionals	
10171		SVOCs	
10172		Metals	
10173		Archive	

Notes:

Completed by: J Ram

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-24
Project Number: 01-0236-00-6928-400	**Time Collected:** 12:53
Crew: JMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10174	PG-A1-24-S	Total Sulfides	
10175	↓	Conventionals	
10176		SVOCs	
10177		Metals	
10178		Guaiacols/Resins	
10179		Dioxin	
10180		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-33
Project Number: 01-0236-00-6928-400	**Time Collected:**
Crew: JMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10181	PG-A1-33-S	~~Total SulfideSN~~ ArchNe	
10182	↓	ArchNe	
10183		ArchNe	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-40
Project Number: 01-0236-00-6928-400	**Time Collected:** 14:12
Crew: JMN, JLN, AG, CF, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10184	PG-A1-40-S	Archive	
10185	↓	Archive	
10186		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-48
Project Number: 01-0236-00-6928-400	**Time Collected:** 14:41
Crew: JMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10187	PG-A1-48-S	Archive	
10188	"	"	
10189	"	"	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-46
Project Number: 01-0236-00-6928-400	**Time Collected:**
Crew: JMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10190	PG-A1-46-S	Total Sulfides	
10191	↓	Conventionals	
10192	↓	SVOCs	
10193	↓	Metals	
10194	↓	Dioxin	
10195	↓	Archive	

← Hold Dioxin, Ask ARI to hold other samples

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-44
Project Number: 01-0236-00-6928-400	**Time Collected:** 15:16
Crew: JMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10196	PG-A1-44-S	Total Sulfide	
10197		Conventionals	
10198		SVOCs	
10199		Metals	
10200		Arch Nc	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1 - 38
Project Number: 01-0236-00-6928-400	**Time Collected:** 15:26
Crew: SMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10201	PG-A1-38-S	Total Sulfides	
10202		Conventionals	
10203		SVOCs	
~~10204~~ 10206		Metals	
10205		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	Station: A1-31
Project Number: 01-0236-00-6928-400	Time Collected: 15:35
Crew: JMN, JLN, AG, CE, CR	Date: 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10207	PG-A1-31-S	Total Sulfide	
10208		Conventionals	
10209		SVOCs	
10210		Metals	
10211		Dioxin	
10212		Arch Ne	

← Hold Dioxin

Ask ARI to hold other samples

Notes:

Completed by: J Nam

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** AZ-10
Project Number: 01-0236-00-6928-400	**Time Collected:** 15:58
Crew:	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10213	PG-AZ-10-S	Total Sulfides	
10214	"	Conventionals	
10215	"	SVOCs	
10216	PG-AZ-10-D	SVOCs	
10217	PG-AZ-10-S	Metals	
10218	PG-AZ-10-D	Metals	
10219	PG-AZ-10-T	Metals	
10220	PG-AZ-10-S	Archive	
~~102~~			

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** AZ-11
Project Number: 01-0236-00-6928-400	**Time Collected:** 16:19
Crew: JMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10221	PG-AZ-11-S	Total Sulfide	
10222		Conventionals	
10223		SVOCs	
10224		Metals/Tribut	
10225		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2 - 13
Project Number: 01-0236-00-6928-400	**Time Collected:** 16:34
Crew: JMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10226	PG-A2-13-S	Total Sulfide	
10227		Conventionals	
10228		SVOCs	
10229		Metals	
10230		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** ~~A2-19~~ JN A2-22
Project Number: 01-0236-00-6928-400	**Time Collected:** 17:07
Crew: JMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10231	PG-A2-22-S	JN ~~Archive~~ Total sulfide	
10232		JN ~~Archive~~ Conventionals	
10233		Archive	
10234		SVOCs	
10235		Metals	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-28
Project Number: 01-0236-00-6928-400	**Time Collected:** 17:27
Crew:	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10236	PG-A2-28-S	Total Sulfide	
10237	↓	Conventionals	
10238		SVOCs	
10239		Metals	
10240		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2 - 30
Project Number: 01-0236-00-6928-400	**Time Collected:** 17:42
Crew: JMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10241	PG-A2-30-S	Total Sulfide	ARI
10242		Conventionals	
10243		SVOCs	
10244		Metals	
10245		Dioxin	Axys
10246		Guaiacols / Resins	ARI
10247		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** AZ-31
Project Number: 01-0236-00-6928-400	**Time Collected:** 17:57
Crew: JMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10248	PG-AZ-31-S	Arch Ne	ARI
10249	↓	"	↓
~~108~~ JN 10250		"	

Notes:

Completed by: J Nm

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** AZ-32
Project Number: 01-0236-00-6928-400	**Time Collected:** 18:19
Crew: JMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10251	PG-AZ-32-S	Total Sulfide	ARI
10252		Conventionals	
10253		SVOCs/Pesticides	
10254		Metals/Tributyltin	
10255		Guaiacols/Resins	
10256		Dioxin	Axys
10257		Archive	ARI

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-35
Project Number: 01-0236-00-6928-400	**Time Collected:** 18:33
Crew: JMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10258	PG-A2-35-S	Archive	ARI
10259	↓	"	↓
10260	↓	"	↓

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** AZ-36
Project Number: 01-0236-00-6928-400	**Time Collected:** 18:51
Crew: JMN, JLN, AG, CE, CR	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10261	PG-AZ-36-S	Total Sulfide	ARI
10262	↓	Conventionals	↓
10263	↓	SVOCs	↓
10264	↓	Metals	↓
10265	↓	Arch Nc	↓
10266	↓	Guaiacols/Resins	↓
10267	↓	Dioxin	Axys

Notes:

Completed by: J Nm

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-04
Project Number: 01-0236-00-6928-400	**Time Collected:** 17:12
Crew: JMN, JB, CR, AG, CE	**Date:** 8/5/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10268	PG-A2-04-S	Archive	ARI
10269	↓	↓	↓
10270	↓	↓	↓

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** AZ-02
Project Number: 01-0236-00-6928-400	**Time Collected:** 17:24
Crew: JMN, JB, CR, CE, AG	**Date:** 8/5/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10271	PG-AZ-02-S	Total Sulfide	ARI
10272		Conventionals	
10273		SVOCs/PCBs	
10274		Metals	
10275		Dioxin	AXYS
10276		Archive	ARI

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A4-03
Project Number: 01-0236-00-6928-400	**Time Collected:** 17:51
Crew: JMN, JB, CR, AG, CE	**Date:** 8/5/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10277	PG-A4-03-S	Archive	ARI
10278	↓	↓	↓
10279			

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A4 - 04
Project Number: 01-0236-00-6928-400	**Time Collected:** 18:01
Crew: JMN, JB, CR, AG, CE	**Date:** 8/5/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10280	PG-A4-04-S	Total Sulfides	ARI
10281		Conventionals	
10282		SVOCs / PCBs	
10283	PG-A4-04-D	SVOCs / PCBs	
10284	PG-A4-04-S	Metals	
10285		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A4-05
Project Number: 01-0236-00-6928-400	**Time Collected:** 18:17
Crew: JMN, JB, AG, CE, CR	**Date:** 8/5/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10286	PG-A4-05-S	Total Sulfides	ART
10287		Conventionals	
10288		SVOCs/PCBs	
10289		Archive	
10290		Metals	
10291	PG-A4-05-D	Metals	
10292	PG-A4-05-T	Metals	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A4-06
Project Number: 01-0236-00-6928-400	**Time Collected:** 18:37
Crew: JMD, JB, CE, AG, CR	**Date:** 8/5/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10293	PG-A4-06-S	ARCHIVE	ARI
10294	↓	↓	↓
10295			

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A4-07
Project Number: 01-0236-00-6928-400	**Time Collected:** 18:48
Crew: JMN, JB, CE, AG, CR	**Date:** 8/5/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10296	PG-A4-07-S	Total Sulfide	ARI
10297		Conventionals	
10298		SVOCs/PCBs/Pesticides	
10299		Metals/Tributyltin	
10300		Guaiacols/Resins	
10301		Arch Nu	
10302		Dioxin	Axys

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A4-08
Project Number: 01-0236-00-6928-400	**Time Collected:** 19:05
Crew: JMN, JB, CE, CR, AC	**Date:** 8/5/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10303	PG-A4-08-S	Archive	ARI
10304	↓	↓	↓
10305			

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A3-02
Project Number: 01-0236-00-6928-400	**Time Collected:** 19:47
Crew: JMN, JB, CE, AG, CR	**Date:** 8/15/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10306	PG-A3-02-S	Archive	ARI
10307	↓	↓	↓
10308			

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A3-05
Project Number: 01-0236-00-6928-400	**Time Collected:** 20:00
Crew: JMN, JB, AG, CE, CR	**Date:** 8/5/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10309	PG-A3-05-S	Total Sulfide	ARI
10310		Conventionals	
10311		SVOCs / PCBs	
10312		Metals / Tributyltin	
10313		Guaiacols / Resins	
10314		Archive	
10315		Dioxin	Axys

Notes:

Completed by:_____

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A3-07
Project Number: 01-0236-00-6928-400	**Time Collected:** 20:11
Crew: JMN, JB, CE, AG, CR	**Date:** 8/5/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
SN 10316 10321	PG-A3-07-S	Archive	ARI
SN 10317 10322	↓	↓	↓
SN 10318 10323	↓	↓	↓

Notes:

Completed by: JMN

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A3-07B
Project Number: 01-0236-00-6928-400	**Time Collected:** 20:21
Crew: JMD, JB, CE, AG, CR	**Date:** 8/5/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10324	PG-A3-07B-S	Total Sulfide	ART
10325		Conventionals	
10326		SVOCs/PCBs	
10327		Metals	
10328		ArchNe	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2 - 08
Project Number: 01-0236-00-6928-400	**Time Collected:** 21:03
Crew: JMN, JB, CR, CE, AG	**Date:** 8/5/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10329	PG-A2-08-S	Total Sulfide	ART
10330		Conventionals	
10331		SVOCs / PCBs	
10332		Metals	
10333		Dioxin	Axys
10334		ArchNe	ART

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-07
Project Number: 01-0236-00-6928-400	**Time Collected:** 21:33
Crew: JMN, JB, CR, AG, CE	**Date:** 8/5/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10335	PG-A2-07-S	Total Sulfide	ARI
10336	↓	Conventionals	↓
10337		SVOCs/PCBs	
10338		Metals	
10339		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-37
Project Number: 01-0236-00-6928-400	**Time Collected:** 17:25
Crew: JMN, JB, CE, AG, CR	**Date:** 8/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10340	PG-A2-37-S	Archive	ART
10341	↓	↓	↓
10342			

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** AZ-37 B
Project Number: 01-0236-00-6928-400	**Time Collected:** 17:38
Crew: JMN, TB, CE, AG, CR	**Date:** 8/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10343	PG-AZ-37B-S	Total Sulfide	ART
10344	↓	Conventionals	↓
10345	↓	SVOCs/PCBs/Pesticides	↓
10346	↓	Metals	↓
10347	↓	Arsine	↓
10348	↓	Dioxin	Axys

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** AZ - 38B
Project Number: 01-0236-00-6928-400	**Time Collected:** 18:19
Crew: JMN, JB, CE, AG, CR	**Date:** 8/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10349	PG-AZ-38B-S	Total Sulfide	ARI
10350	↓	Conventionals	↓
10351		SVOCs/PCBs	
10352		Metals	
10353		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** AZ-38
Project Number: 01-0236-00-6928-400	**Time Collected:** 18:32
Crew: JMN, JB, CE, AG, CR	**Date:** 8/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10354	PG-AZ-38-S	Conventionals	ARI
10355	PG-AZ-38-D	Conventionals	
10356	PG-AZ-38-T	Conventionals	
10357	PG AZ-38-S	Total Sulfides	
10358	PG-AZ-38-D	"	
10359	PG-AZ-38-T	"	
10360	PG-AZ-38S	SVOCs / PCBs	
10361		Metals	
10362		Archive	

Notes:

Completed by: J Nu

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2 - 40
Project Number: 01-0236-00-6928-400	**Time Collected:** 19:14
Crew: JMN, JB, CE, AG, CR	**Date:** 8/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10363	PG-A2-40-S	A-Chive	ARI
10364	↓	↓	↓
10365			

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-42
Project Number: 01-0236-00-6928-400	**Time Collected:** 19:34
Crew: SMN, JB, CR, CE, AG	**Date:** 8/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10366	PG-A2-42-S	Total Sulfide	ARI
10367		Conventionals	
10368		SVOCs/PCBs/Pesticides	
10369		Metals	
10370		Arch Ne	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** AZ - 43
Project Number: 01-0236-00-6928-400	**Time Collected:** 20:08
Crew: SMN, JB, CE, AG, CR	**Date:** 8/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10371	PG-AZ-43-S	Archive	ARI
10372	↓	↓	↓
10373			

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-43B
Project Number: 01-0236-00-6928-400	**Time Collected:** 20:22
Crew: JMN, JB, CE, AG, CR	**Date:** 8/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10374	PG-A2-43B-5	Total Sulfide	ARI
10375		Conventionals	
10376		~~#~~ JN SVOCs/PCBs	
10377		Metals	
10378		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	Station: A2-19
Project Number: 01-0236-00-6928-400	Time Collected: 16:52
Crew: JMN, JB, CE, AG, CR	Date: 8/7/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10379	PG-A2-19-S	Archive	ARI
10380	↓	↓	↓
10381			

Notes:

Completed by: J Nemy

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A3-13
Project Number: 01-0236-00-6928-400	**Time Collected:** 17:38
Crew: JMN, JB, CE, AG, CR	**Date:** 8/7/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10382	PG-A3-13-S	Total Solids	ART
10383		Conventionals	
10384		SVOCs/PCBs	
10385		Metals/Tributyltin	
10386		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A3-12
Project Number: 01-0236-00-6928-400	**Time Collected:**
Crew: JMN, JB, CR, CE, AG	**Date:** 8/7/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10387	PG-A3-12-S	Archive	ARI
10388	↓	↓	↓
10389			

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	Station: A3-11
Project Number: 01-0236-00-6928-400	Time Collected: 1809
Crew: JMN, JB, CR, CE, AG	Date: 8/7/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10390	PG-A3-11-S	Conventionals	ART
10391		Total Sulfide	
10392		SVOCs/PCBs/Pesticides	
10393		Metals	
10394		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	Station: A3-10
Project Number: 01-0236-00-6928-400	Time Collected: 18:28
Crew: JMN, JB, CR, CE, AG	Date: 8/7/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10395	PG-A3-10-S	ARchive	ARI
10396	↓	↓	↓
10397			

Notes:

Completed by: [signature]

Science Applications International Corporation

Port Gardner Sediment Investigation	Station: A3-09
Project Number: 01-0236-00-6928-400	Time Collected: 18:42
Crew: JMN, JB, CR, CE, AG	Date: 8/7/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10398	PG-A3-09-S	Total Sulfide	ART
10399	↓	Conventionals	↓
10400	↓	SVOCs/PCBs/Pesticides	↓
10401	↓	Metals	↓
10402	↓	Archive	↓

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	Station: AZ-24
Project Number: 01-0236-00-6928-400	Time Collected:
Crew: JMN, JB, CE, AG, CR	Date: 8/7/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10403	PG-AZ-24-S	Archive	ART
10404	↓	↓	
10405			

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	Station: A2-25
Project Number: 01-0236-00-6928-400	Time Collected:
Crew: JMN, JB, CK, CE, AG	Date: 8/7/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10406	PG-A2-25-S	Total Sulfide	ARI
10407		Conventionals	
10408		SVOCs/PCBs	
10409		Metals	
10410		Guaiacols/Resins	
10411		Archive	
10412		Dioxin	AXYS

← Hold

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-14
Project Number: 01-0236-00-6928-400	**Time Collected:** 20:48
Crew: JMN, JB, CE, AG, CR	**Date:** 8/7/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10413	PG-A2-14-S	Total Sulfide	ARI
10414	↓	Conventionals	↓
10415		SVOCs/PCBs	
10418		Metals	
10417		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-26
Project Number: 01-0236-00-6928-400	**Time Collected:** 10:15
Crew: JMN, GV, JB	**Date:** 8/11/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
~~JN10449~~ 10471	PG-A2-26-S	Total Solids	ARI
~~JN10450~~ ~~10469~~ 10474		Conventionals	
~~10470~~ 10475		SVOCs/PCBs	
~~10466~~ 10472		Metals	
~~10481~~ 10467		Archive	
JN			

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	Station: A2-29
Project Number: 01-0236-00-6928-400	Time Collected: 10:30
Crew: JMN, GV, JB	Date: 8/11/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10476	PG-A2-29-S	Total Sulfide	ARI
10479	↓	Conventionals	↓
10478		SVOCs/PCBs	
10477		Metals	
10460	✓	Archive	✓

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-34 B
Project Number: 01-0236-00-6928-400	**Time Collected:** 11:05
Crew: JMN, GV, JE	**Date:** 8/11/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
~~10421~~ 10431	PG-A2-34B-S	Total Sulfide	ART
~~10423~~ 10440	↓	Conventionals	↓
~~10424~~ 10438		SVOCs/PCBs	
~~10422~~ 10433		Metals	
10425		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-34
Project Number: 01-0236-00-6928-400	**Time Collected:** 11:20
Crew: JMN, GU, JB	**Date:** 8/11/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10426	PG-A2-34-S	Total Sulfide	ARI
10429	↓	Conventionals	↓
10428	↓	SVOCs/PCBs	↓
10427	↓	Metals	↓
10430	↓	Archive	↓

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2 - 35 B
Project Number: 01-0236-00-6928-400	**Time Collected:** 11:36
Crew: JMN, GV, JB	**Date:** 8/14/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10419	PG-A2-35B-S	Archive	ARI
10420	↓	↓	↓
10437			

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** AZ-33B
Project Number: 01-0236-00-6928-400	**Time Collected:** 11:57
Crew: JMN, GV, JB	**Date:** 8/11/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10421	PG-AZ-33B-S	Total Solids	ARI
10423		Conventionals	
10424		SVOCs/PCBs	
10422		Metals	
10425		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-46
Project Number: 01-0236-00-6928-400	**Time Collected:** 13:04
Crew: SMN, GV, JB	**Date:** 8/11/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10481	PG-A2-46-S	Total Sulfide	ARI
10485		Conventionals	
10484		SVOCs/PCBs	
10482		Metals	
10483		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A3-05D
Project Number: 01-0236-00-6928-400	**Time Collected:** 13:28
Crew: JMD, GV, JB	**Date:** 8/11/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10496	PG-A3-05D-S	Conventionals	ARI
10493		Total sulfide	
10494		Archive	
10495		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A3-05C
Project Number: 01-0236-00-6928-400	**Time Collected:** 13:46
Crew: JMN, GV, JB	**Date:** 8/11/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10490	PG-A3-05C-S	Archive	ARI
10491	↓	↓	↓
10492			

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A3-05B
Project Number: 01-0236-00-6928-400	**Time Collected:** 14:04
Crew: JMN, GD, JB	**Date:** 8/11/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10486	PG-A3-05B-S	Total Sulfide	ARI
10487		Conventionals	
10488		Archive	
10489		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A4-08B
Project Number: 01-0236-00-6928-400	**Time Collected:** 14:33
Crew: JMN, GV, JB	**Date:** 8/11/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10441	PG-A4-08B-S	Total Sulfide	ARI
10445		Conventionals	
10444		SVOCs / PCBs	
10442		Metals	
10443		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A4-09
Project Number: 01-0236-00-6928-400	**Time Collected:** 14:45
Crew: JMN, GV, JB	**Date:** 8/11/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10434	PG-A4-09-S	Total Solids	ART
10430		Conventionals	
10432		SVOCs / PCBs	
10435		Metals	
10436		Archive	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A4-10
Project Number: 01-0236-00-6928-400	**Time Collected:** 15:02
Crew: JMN, GV, JB	**Date:** 8/11/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10448	PG-A4-10-5	Archive	ARI
10446	↓	↓	↓
10447			
~~10446~~ JN			

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-23
Project Number: 01-0236-00-6928-400	**Time Collected:** 15:33
Crew: SMN, GV, JB	**Date:** 8/11/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10465	PG-A2-23-S	Total Sulfide	ARI
10469		Conventionals	
10470		SVOCs/PCBs	
10468		Metals	
10467		Archive	
10466		Dioxin	Axys

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-21
Project Number: 01-0236-00-6928-400	**Time Collected:** 15:47
Crew: JMN, GV, JB	**Date:** 8/4/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10461	PG-A2-21-S	Total Sulfide	ARI
10464	↓	Conventionals	↓
10462		Arch/Nc	
10463		Arch/Nc	

Notes:

Completed by: J Nm

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-18
Project Number: 01-0236-00-6928-400	**Time Collected:** 16:00
Crew: JMN, GV, JB	**Date:** 8/11/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10453	PG-A2-18-S	Total Solids	ART
10458		Conventionals	
10459		SVOCs/PCBs/Pesticides	
~~10554~~ 10454		Metals	
10457		Guaiacols/Resins	
10455		Dioxin	Axys
10456		Archive	ART

← Hold

Notes:

Completed by: J Yun

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	Station: A2-16
Project Number: 01-0236-00-6928-400	Time Collected: 16:12
Crew: JMN, GV, JB	Date: 8/11/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10449	PG-A2-16-S	Total Solfide	ARI
10450	↓	Conservation a/s	↓
10451		Archive	
10452		Archive	

Notes:

Completed by: J Vann

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2 - 21
Project Number:	**Time Collected:** 12:14
Crew: JMN, LD, JB	**Date:** 10/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
100100	PG-A2-21-S	Bioassay	New Fields
100101		Sulfide	
100103		Archive	
100104			
100105			
100106		Bioassay	New Fields

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2 - 13
Project Number:	**Time Collected:**
Crew: JMN, LD, JB	**Date:** 10/6/08
Comments: Recollected here later for bioassays	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
100107	PG-A2-13-S	Metals	ARI
~~100108~~ IN			

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-07
Project Number:	**Time Collected:** 13:23
Crew: JMN, LD, JB	**Date:** 10/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
100108	PG-A2-07-S	Metals	ARI

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-24
Project Number:	**Time Collected:** 13:46
Crew: JAIN, LD, JB	**Date:** 10/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
100109	PG-A1-24-S	Bioassay	NewFields
100110	↓	↓	↓
100111		Total Sulfide	
100112		Arch Nc	
100113		↓	
100114	↓	↓	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-10
Project Number:	**Time Collected:** 14:03
Crew: JMN, LX, JB	**Date:** JMN
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
100115	PG-A1-10-S	Bioassay	Downfields
100116	↓	↓	↓
100117		Total Sulfide	
100118		Archive	
100119		↓	
100120	↓	↓	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-07
Project Number:	**Time Collected:** ~~12:3~~ JN 14:33
Crew: JMN, JB, LD	**Date:** 10/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
100121	PG-A1-07-S	Bioassay	NewFields
100122	↓	↓	↓
100123	↓	Total Sulfide	↓
100124	↓	Archive	↓
100125	↓	↓	↓
100126	↓	↓	↓

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-03
Project Number:	**Time Collected:** 15:15
Crew: 5 MN, JB, LD	**Date:** 10/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
100127	PG-A1-03-S	Bioassay	
100128	↓	↓	
100129		Total Sulfide	
100130		Arch Ne	
100131		↓	
100132	↓	↓	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-01
Project Number:	**Time Collected:** ~~15:58~~ 1532 2
Crew: SMN, LD, JB	**Date:** 10/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
~~100133~~ 100133	PG-A1-01-S	Bioassay	
100134		↓	
100135		Total Sulfide	
100136		Archive	
100137		↓	
100138	↓	↓	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A1-16
Project Number:	**Time Collected:** 15:50 ~~Halo~~ P.2
Crew: JMN, LD, JB	**Date:** 10/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
100139	PG-A1-16-S	Bioassay	NewFields
100140	↓	↓	↓
100141		Total Sulfide	
100142		Archive	
100143		↓	
100144	↓	↓	

Notes:

Completed by: J Nunn

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-10
Project Number:	**Time Collected:** 16:22
Crew: JMN, JB, LD	**Date:** 10/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
100145	PG-A2-10-5	Bioassay	NewFields
100146	↓	↓	↓
100147	↓	Total Sulfide	↓
100148	↓	Archive	↓
100149	↓	↓	↓
100150	↓	↓	↓

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-11
Project Number:	**Time Collected:** 16:40
Crew: JAIN, JB, LD	**Date:** 10/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
100151	PG-A2-11-S	Bioassay	New Fields
100152	↓	↓	↓
100153		Total Sulfide	
100154		Archive	
100155		↓	
100156	↓	↓	

Notes:

Completed by: [signature]

Sample Container Logbook

Science Applications International Corporation

Port Gardner Sediment Investigation	**Station:** A2-13
Project Number:	**Time Collected:** 17:00
Crew: JMN, LD, JB	**Date:** 10/6/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
100157	PG-A2-13-S	Bioassay	NewFields
100158	↓	↓	↓
100159	↓	Total Sulfide	TestAmerica
100160	↓	Archive, Hg	ARI
100161	↓	↓	↓
100162	↓	↓	↓

Notes:

Completed by: [signature]

Sample Container Logbook

SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: A2-18
Project Number:	Time Collected: 1245
Crew: LD, WH, JN	Date: 10/7/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10993	PG-A2-18-S	Bioassays	Newfields
10994	↓	↓	↓
10995		Total Sulfide	
10996		Conventionals	
10997		Archive	
10998		↓	

Notes:

SAIC®
From Science to Solutions

Completed by: [illegible]

Sample Container Logbook

Page __ of __

SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: PG-A2-25
Project Number:	Time Collected: 1306
Crew: LD, WH, JN	Date: 10/7/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10999	PG-A2-25-S	Bioassays	Newfields
& ~~11000~~ 11001	↓	↓	↓
11000		Conventionals	
11002		Total Sulfides	
11003		Archive	
11004	↓	↓	

Notes:

SAIC®
From Science to Solutions

Completed by: [signature]

Sample Container Logbook

Page __ of __

SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: PG-A2-36
Project Number:	Time Collected: 1409
Crew: WH, LD, JN, TP, CE	Date: 10/7/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
11005	PG-A2-36-S	Bioassays	NewFields
11006	↓	↓	↓
11007		Sulfides	
11008		Conventionals	
11009		Archive	
11010	↓	↓	

Notes:

SAIC®
From Science to Solutions

Completed by: [signature]

Sample Container Logbook

SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: PG-A2-14
Project Number:	Time Collected: 1448
Crew: WA, LD, JN, CE, TP	Date: 10/7/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
11011	PG-A2-14-S	Bioassays	NewFields
11012	↓	↓	↓
11013		Total Sulfides	
11014		Conventionals	
11015		Archive	
11016	↓	↓	

Notes:

SAIC®
From Science to Solutions

Completed by: [illegible]

Sample Container Logbook

Page __ of __

SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: A4-08B
Project Number:	Time Collected: 1032
Crew: LD, WA, TSN, TP, CE	Date: 10/8/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
11017	PG-A4-08B-S	Bioassays	NewFields
11018	↓	↓	↓
11019	↓	Total Sulfides	Test Am
11020	↓	Conventionals	ARI
11021	↓	Archive	↓
11022	↓	↓	↓

Notes:

SAIC®
From Science to Solutions

Completed by: [illegible]

Sample Container Logbook

SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: A3-07B
Project Number:	Time Collected: 1131
Crew:	Date: 10/8/08
Comments: LP, WH, JSN, CE, TP	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
11023	PG-A3-07B-S	Bioassays	Nev Fields
11024	↓	↓	↓
11025	↓	Sulfides	Test Am
11026	↓	Conventionals	ARI
11027	↓	Archive	↓
11028	↓	↓	↓

Notes:

SAIC®
From Science to Solutions

Completed by:_____

Sample Container Logbook

SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: A3-05E
Project Number:	Time Collected: 1205
Crew: LD, WH, JSN, CE, TP	Date: 10/8/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
11029	PG-A3-05E-S	Bioassay	NewFields
11030	↓	↓	↓
11031	↓	Sulfides	Test Am
11032	↓	Conventionals	~~Bioassay~~ ARI
11033	↓	Archive	↓
11034	↓	↓	↓

Notes:

SAIC®
From Science to Solutions

Completed by:_____

Sample Container Logbook

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SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: PG-A3-06B
Project Number:	Time Collected: 1224
Crew: LD, WH, JSN, CE, TP	Date: 10/8/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
11035	PG-A3-06B-S	Sulfides	Test Am
11036	↓	Conventionals	ARI
11037	↓	SVOC/PCBs	↓
11038	↓	Metals	↓
11039	↓	Archive	↓

Notes:

SAIC®
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Completed by: [signature]

Sample Container Logbook

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SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: CR-22S
Project Number:	Time Collected: 1530
Crew: CE, TP	Date: 10/9/08
Comments: Carr Inlet Reference 16% Fines	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
11040	CR-22S-S	Total Sulfides	Test Am
11041	↓	Conventionals	ARI
11042	↓	Bioassays	Newfields
11043	↓	↓	↓

Notes:

SAIC®
From Science to Solutions

Completed by: [illegible]

Sample Container Logbook

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SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: CR-23
Project Number:	Time Collected: 1415
Crew: CE, TP	Date: 10/9/08
Comments: Carr Inlet Ref 49% fines	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
11044	CR-23-S	Total Sulfides	Test Am
11045	↓	Conventionals	ARI
11046	↓	Biossays	Newfields
11047	↓	↓	↓

Notes:

SAIC®
From Science to Solutions

Completed by: Q

Sample Container Logbook

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SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: CR-20/24
Project Number:	Time Collected: 1240
Crew: BME	Date: 10/9/08
Comments: Carr Inlet Ref 722 Fines	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
11048	CR-20/24-S	TOC/Sulfides	Test Am
11049	↓	Conventionals	ART
11050		Biossays	NewFields
11051		↓	↓

Notes:

SAIC®
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Sample Container Logbook

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SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: PG-A3-14
Project Number:	Time Collected:
Crew: JB, MC	Date: 10/15/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
11052	PG-A3-14-Tule		ARI
11053	PG-A3-14-Catail		ARI

Notes:

SAIC®
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Sample Container Logbook

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SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: PG-A3-15
Project Number:	Time Collected: 13:00
Crew: JB, MC	Date: 10/15/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
11054	PG-A3-15-Tule		ARI
11055	PG-A3-15-Cattail		ARI

Notes:

SAIC®
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Sample Container Logbook

SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: SB-REF-48
Project Number:	Time Collected: 1445
Crew: WH TH	Date: 11/25/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
11400	SB-REF-48	Bioassay	Newfields
11402	"	Archive	SAIC
11403	"	Conventionals	ARI
11404	"	"	"
11405	"	Sulfides	"

Notes:

SAIC®
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Completed by: [signature]

Sample Container Logbook

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SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: SB-REF-76
Project Number:	Time Collected: 1245
Crew: WH TH	Date: 11/25/06
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
SB-REF-76	11401	Bioassay	Newfields
	WH		
11406	SB-REF-76	Archive	SAIC
11407	"	Conventionals	ARI
11408	"	"	"
11409	"	Sulfides	"

Notes:

SAIC®
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Sample Container Logbook

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SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: CR-23-49
Project Number:	Time Collected: 1530
Crew:	Date: 11/25/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
11410	CR-23-49	Bioassay	Newfields
11411	"	Archive	SAIC
11412	"	Conventionals	ARI
11413	"	"	ARI
11414	"	Sulfides	ARI

Notes:

SAIC®
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Completed by: [signature]

Sample Container Logbook

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SAIC®
From Science to Solutions

2008 Port Gardner Sediment Characterization	Station: CR- 20/24-65
Project Number:	Time Collected: 1400
Crew:	Date: 11/25/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
11415	CR-20/24-65	Bioassay	Newfields
11416	"	Archive	SAIC
11417	"	Conventionals	ARI
11418	"	Conventionals	"
11419	"	sulfides	"

Notes:

SAIC®
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Completed by: [illegible]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: PG-A1-31B
Project Number:	Time Collected: 0820
Crew: WH JN CH MB	Date: 8/12/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10500	PG-A1-31B	Archive	SAIC
10501	↓	Conventionals	ARI
10502	↓	SVOC/PCB	↓
10503	↓	Metals	↓
10504	↓	Sulfides	↓
10505	↓	Dioxin/Furan	Axys

Archive?

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications
International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A1-49
Project Number:	**Time Collected:** 0906
Crew: WH JN CH MB	**Date:** 8/12/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10506	PG-A1-49	Archive	SAIC
10507	↓	Conventionals	ARI
10508	↓	SVOC / PCBs	↓
10509	↓	Metals	↓
10510	↓	Sulfides	↓
10511	↓	Dioxin / Furan	Axys

8/13/08 2
Archive
↓

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: PG-A2-18B
Project Number:	Time Collected: 1030
Crew: GV, JN, CR	Date: 8/14/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10512	PG-A2-18B-S	Archive	SAIC
10513	↓	Conventionals	ARF
10514	↓	SVOCs/PCBs	↓
10515	↓	Metals	↓
10516	↓	Sulfides	↓
10517	↓	Dioxin/Furan	Axys

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: PG-A2-25B
Project Number:	Time Collected: 1200
Crew: GV, JN, CR	Date: 8/14/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10518	PG-A2-25B-S	Archive	SAIC
10519	PG-A2-25B-S	Conventionals	ARI
10520	↓	SVOCs/PCBs	↓
10521		Metals	
10522		Sulfides	
10523		Dioxins/Furans	Axys

Notes:

Completed by: _____

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: PG-A1-50-S
Project Number:	Time Collected: 1115
Crew: JV, JN, CR	Date: 8/15/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10530	PG-A1-50-S	Archive	SAIC
10531	↓	↓	↓
10532	↓	↓	↓

Notes:

Completed by: _____

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: PG-A1-46B-S
Project Number:	Time Collected: 1150
Crew: MB, WH, CH	Date: 8/15/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10524	PG-A1-46B-S	Archive	SAIC
10525	↓	Conventionals	ARI
10526		SVOCs/PCBs	↓
10527		Metals	
10528		Sulfides	
10529		Dioxin	Axys

Notes:

Completed by: _____

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: A2-37B
Project Number:	Time Collected: 1350
Crew: LD, JB	Date: 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10533	PG-A2-37B-C0-1	Archive	SAIC
10534	↓		
10535	↓		
10536	PG-A2-37B-C1-3	Conventionals	ARI
10537	↓	SVOCs/PCBs	↓
10538	↓	Metals	↓
10539	↓	Sulfides	↓
10540	↓	Archive	↓
10541	PG-A2-37B-C3-5	MB ~~Conventionals~~ Archive	ARI MB SAIC
10542	↓	MB ~~SVOCs/PCBs~~ Archive	↓
10543	↓	MB ~~Metals~~ Archive	↓
10544	PG-A2-37B-C5-7	MB ~~Sulfides~~ Archive	↓
10545	↓	Archive	↓
10546	↓	Archive	↓
10547	PG-A2-37B-C7-9	Archive	↓
10548	↓	Archive	↓
10549	↓	Archive	↓

Notes:

Completed by: M. [illegible]

Sample Container Logbook

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Science Applications
International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A2-37B
Project Number:	**Time Collected:** 1350
Crew: LD, JB	**Date:** 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10550	PG-A2-37B-C9-10	Archive	SAIC
10551	↓	↓	↓
10552	↓	↓	↓

Notes:

Completed by: M. B

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: A2-30
Project Number:	Time Collected: 8/13/08
Crew: LD, JB	Date: 1522
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10553	PG-A2-30-C0-1	Archive	SAIC
10554	↓	↓	↓
10555	↓	↓	↓
10556	PG-A2-30-C1-3	Conventionals	ARI
10557	↓	SVOCs/PCBs	↓
10558	↓	Sulfides	↓
10559	↓	Metals	↓
10560	↓	Archive	SAIC
10561	↓	Dioxin	Axys
10562	PG-A2-30-C3-5	Conventionals	ARI
10563	↓	Sulfides	↓
10564	↓	Archive	SAIC
10565	PG-A2-30-C5-7	Archive	SAIC
10566	↓	↓	↓
10567	↓	↓	↓
10568	PG-A2-30-C3-5	SVOCs/PCBs	ARI
10569	↓	Metals	ARI

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: A2-30
Project Number:	Time Collected: 1522
Crew: LD, JB	Date: 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10570	PG-A2-30-C7-9	Archive	SAIC
10571	↓	↓	↓
10572	↓	↓	↓

Notes:

Completed by: M. R

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: A1-07
Project Number:	Time Collected: 1139
Crew: LD, JB	Date: 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10573	PG-A1-07-C0-1	Archive	SAIC
10574	↓	↓	↓
10575	↓	↓	↓
10576	PG-A1-07-C1-3	Conventionals	ARI
10577	↓	SVOCs/PCBs	↓
10578	↓	Metals	↓
10579	↓	Sulfides	↓
10580	↓	Archive	SAIC
10581	PG-A1-07-C3-5	Conventionals	ARI
10582	↓	SVOCs/PCBs	↓
10583	↓	Metals	↓
10584	↓	Sulfides	↓
10585	↓	Archive	SAIC
10586	PG-A1-07-C5-7	Archive	SAIC
10587	↓	↓	↓
10588	↓	↓	↓

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A1-Ø7
Project Number:	**Time Collected:** 1139
Crew: LD, JB	**Date:** 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10589	PG-A1-Ø7-C7-9	Archive	SAIC
10590	↓	↓	↓
10591	↓	↓	↓
10592	PG-A1-Ø7-C9-11	Archive	SAIC
10593	↓	↓	↓
10594	↓	↓	↓
10595	PGA1-Ø7-C11-13	Archive	SAIC
10596	↓	↓	↓
10597	↓	↓	↓

Notes:

Completed by: M. R

Sample Container Logbook

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Science Applications
International Corporation

2008 Port Gardner Sediment Investigation	Station: A2-T2
Project Number:	Time Collected: 1339
Crew: CH, JN-MB	Date: 8/8/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10664	PG-A2-T2-DC-M-A	Dioxins	AXYS
10665	PG-A2-T2-DC-M-A	Metals/PCBs	ARI
10666	PG-A2-T2-DC-H-A	Dioxins	AXYS
10667	PG-A2-T2-DC-H-A	Metals/PCBs	ARI

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A1-15
Project Number:	**Time Collected:** 1227
Crew: LD, JB	**Date:** 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10598	PG-A1-15-C0-1	Archive	SAIC
10599	↓	↓	↓
10600	↓	↓	↓
10601	PG-A1-15-C1-3	Conventionals	ARI
10602	↓	SVOCs/PCBs	↓
10603	↓	Metals	↓
10604	↓	Sulfides	↓
10605	↓	Archive	SAIC
10606	PG-A1-15-C3-5	Conventionals	ARI
10607	↓	SVOCs/PCBs	↓
10608	↓	Metals	↓
10609	↓	Sulfides	↓
10610	↓	Archive	SAIC
10611	PG-A1-15-C5-7	Archive	SAIC
10612	↓	↓	↓
10613	↓	↓	↓

Notes:

Completed by: M. R

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: A1-15
Project Number:	Time Collected: 1227
Crew: LD, JB	Date: 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10614	PG-A1-15-C~~1~~-9	Archive	SAIC
10615	↓	↓	↓
10616	↓	↓	↓
10617	PG-A1-15-C9-11	Archive	SAIC
10618	↓	↓	↓
10619	↓	↓	↓
10620	PG-A1-15-C11-13	Archive	SAIC
10621	↓	↓	↓
10622	↓	↓	↓

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: A2-32
Project Number:	Time Collected: 1438
Crew: LD, JB	Date: 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10623	PG-A2-32-CØ-1	Archive	SAIC
10624	↓	↓	↓
10625	↓	↓	↓
10626	PG-A2-32-C1-3	Conventionals	ARI
10627	↓	SVOCs/PCBs	↓
10628	↓	Metals	↓
10629	↓	Archive	SAIC
10630	↓	Sulfides	ARI
10631	↓	Dioxin	Axys
10632	PG-A2-32-C3-5	Conventionals	ARI
10633	↓	SVOCs/PCBs	↓
10634	↓	Metals	↓
10635	↓	Sulfides	↓
10636	↓	Archive	SAIC
10637	PGA2-32-C5-7	Archive	SAIC
10638	↓	↓	↓

Notes:

Completed by: M. R

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A2-32
Project Number:	**Time Collected:** 1438
Crew: LD, JB	**Date:** 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10639	PG-A2-32-C5-7	Archive	SAIC
10640	PG-A2-32-C7-9	Archive	SAIC
10641	↓	↓	↓
10642	↓	↓	↓
10643	PG-A2-32-C9-11	Archive	SAIC
10644	↓	↓	↓
10645	↓	↓	↓
10646	PG-A2-32-C11-12	Archive	SAIC
10647	↓	↓	↓
10648	↓	↓	↓

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications
International Corporation

2008 Port Gardner Sediment Investigation	Station: PG-A2-T1-DC
Project Number:	Time Collected: 1005
Crew: CH-JN-MB	Date: 8/8/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
CH ~~10668~~ 10668	PG-A2-T1-DC-M-A	Dioxins	AXYS
10670	PG-A2-T1-DC-MA	Metals / PCBs	ARI
10669	PG-A2-T1-DC-H-A	Dioxins	AXYS
10671	PG-A2-T1-DC-H-A	Metals / PCBs	ARI

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications
International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A1-03
Project Number:	**Time Collected:** 957
Crew: LD, JB, DD	**Date:** 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10648	PG-A1-03-C0-1	Archive	SAIC
10649	↓	↓	↓
10650	↓	↓	↓
10651	PG-A1-03-C1-3	Conventionals	~~SAIC~~ MB ARI
10652	↓	SVOCs/PCBs	↓
10653	↓	Metals	↓
10654	↓	Sulfides	↓
10655	↓	Archive	SAIC
10656	PGA1-03-C3-5	Conventionals	ARI
10657	↓	SVOCs/PCBs	↓
10658	↓	Metals	↓
10659	↓	Sulfides	↓
10740 ~~10660~~ MB	↓	Archive	SAIC
10741	PG-A1-03-C5-7	Archive	SAIC
10742	↓	↓	↓
10743	↓	↓	↓

Notes:

Completed by: [illegible]

Sample Container Logbook

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Science Applications
International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A1-03
Project Number:	**Time Collected:** 957
Crew: LD, JB, DD	**Date:** 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10744	PG-A1-03-C7-9	Archive	SAIC
10745	↓	↓	↓
10746	↓	↓	↓
10747	PG-A1-03-C9-11	Archive	SAIC
10748	↓	↓	↓
10749	↓	↓	↓
10750	PG-A1-03-C11-13	Archive	SAIC
10751	↓	↓	↓
10752	↓	↓	↓

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications
International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A2-02
Project Number:	**Time Collected:** 1348
Crew: LD, JB	**Date:** 8/14/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10753	PG-A2-02-C0-1	Archive	SAIC
10754	↓	↓	↓
10755	↓	↓	↓
10756	PG-A2-02-C1-3	Conventionals	ARI
10757	↓	SVOCs/PCBs	↓
10758	↓	Metals	↓
10759	↓	Sulfides	↓
10760	↓	Archive	SAIC
10761	PG-A2-02-C3-5	Archive	SAIC
10762	↓	↓	↓
10763	↓	↓	↓
10764	PG-A2-02-C5-7	Archive	SAIC
10765	↓	↓	↓
10766	↓	↓	↓
10767	PG-A2-02-C7-9	Archive	SAIC
10768	↓	↓	↓

Notes:

Completed by:_____

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A2-02
Project Number:	**Time Collected:** 1348
Crew: LD, JB	**Date:** 8/14/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10769	PG-A2-02-C~~7~~9	Archive	SAIC
10770	PG-A2-02-C9-11	Archive	SAIC
10771	↓	↓	↓
10772	↓	↓	↓
10773	PG-A2-02-C11-13	Archive	SAIC
10774	↓	↓	↓
10775	↓	↓	↓

Notes:

Completed by: M. [illegible]

Sample Container Logbook

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Science Applications
International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A1-T3
Project Number:	**Time Collected:** 1537
Crew: CH, JN, MB	**Date:** 8/8/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10672	PG-A1-T3-DC-H-A	Dioxins	Axys
10673	PG-A1-T3-DC-H-A	Metals/PCBs	ARI
10674	PG-A1-T3-DC-M-A	Metals/PCBs	ARI
10675	PG-A1-T3-DC-M-A	Dioxins	AXYS

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A2-25
Project Number:	**Time Collected:** 1601
Crew: LD, JB	**Date:** 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10776	PG-A2-25-CØ-1	Archive	SAIC
10777	↓	↓	↓
10778	↓	↓	↓
10779	PG-A2-25-C1-3	Conventionals	ARI
10780	↓	SVOCs/PCBs	↓
10781	↓	Metals	↓
10782	↓	Sulfides	↓
10783	↓	Archive	SAIC
10784	PG-A2-25-C3-5	Conventionals	ARI
10785	↓	SVOCs/PCBs	↓
10786	↓	Metals	↓
10787	↓	Sulfides	↓
10788	↓	Archive	SAIC
10789	PG-A2-25-C5-7	Archive	SAIC
10790	↓	↓	↓
10791	↓	↓	↓

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A2-25
Project Number:	**Time Collected:** 1601
Crew: LD, JB	**Date:** 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10792	PG-A2-25-C7-9	Archive	SAIC
10793	↓	↓	↓
10794	↓	↓	↓
10795	PG-A2-25-C9-11	Archive	SAIC
10796	↓	↓	↓
10797	↓	↓	↓
10798	PG-A2-25-C11-13	Archive	SAIC
10799	↓	↓	↓
10800	↓	↓	↓

Notes:

Completed by: M. R

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A3-05
Project Number:	**Time Collected:** 1235
Crew: LD, JB	**Date:** 8/14/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10801	PG-A3-05-C0-1	Archive	SAIC
10802	↓	↓	↓
10803	↓	↓	↓
10804	PG-A3-05-C1-3	MB ~~Archive~~ Sulfides	SAIC
10805	↓	Conventionals	ARI
10806	↓	SVOCs/PCBs	↓
10807	↓	Metals	↓
10808	↓	MB ~~Sulfides~~ Archive	↓
10809	PG-A3-05-C1-3	Dioxin	Axys
10810	PG-A3-05-C3-5	Conventionals	ARI
10811	↓	SVOCs/PCBs	↓
10812	↓	Metals	↓
10813	↓	Sulfides	↓
10814	↓	Archive	SAIC
10815	PG-A3-05-C5-7	Archive	SAIC
10816	↓	↓	↓

Notes:

Completed by: M. [illegible]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A3-05
Project Number:	**Time Collected:** 1235
Crew: LD, JB	**Date:** 8/14/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10817	PG-A3-05-C5-7	Archive	SAIC
10818	PG-A3-05-C7-9	Archive	SAIC
10819	↓	↓	↓
10820	↓	↓	↓
~~21~~			
~~22~~			
~~MB23~~			

Notes:

Completed by: M. [illegible]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A2-18
Project Number:	**Time Collected:** 1631
Crew: LD, JB	**Date:** 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10821	PG-A2-18-CØ-1	Archive	SAIC
10822	↓	↓	↓
10823	↓	↓	↓
10824	PG-A2-18-C1-3	Sulfides	ARI
10825	↓	Conventionals	↓
10826	↓	SVOCs/PCBs	↓
27	↓	Metals	↓
28	↓	Archive	SAIC
29	↓	Dioxin	Axys
30	PG-A2-18-C3-5	Sulfides	ARI
31	↓	Conventionals	↓
32	↓	SVOCs/PCBs	↓
33	↓	Metals	↓
34	↓	Archive	SAIC
35	PG-A2-18-C5-7	Archive	SAIC
36	↓	↓	↓

Notes:

Completed by: M. B

Sample Container Logbook

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Science Applications
International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A2-18
Project Number:	**Time Collected:** 1631
Crew: LD, JB	**Date:** 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10837	PG-A2-18-C5-7	Archive	SAIC
10838	PG-A2-18-C7-9	Archive	SAIC
10839	↓	↓	↓
10840	↓	↓	↓
10841	PG-A2-18-C9-11	Archive	SAIC
10842	↓	↓	↓
10843	↓	↓	↓
10844	PG-A2-18-C11-13	Archive	SAIC
10845	↓	↓	↓
10846	↓	↓	↓

Notes:

Completed by: M. R

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: AZ-11
Project Number:	Time Collected: 17:29
Crew: LD JB	Date: 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10847	PG-AZ-11-CO-1	Archive	SAIC
10848	↓	↓	↓
10849	↓	↓	↓
10850	PG-AZ-11-C1-3	~~Conv~~ Sulfides	ARI
10851	↓	Conventionals	↓
10852	↓	SVOCs/PCBs	↓
10853	↓	Metals	↓
10854	↓	Archive	SAIC
10855	PG-AZ-11-C3-5	Archive	↓
10856	↓	↓	↓
10857	↓	↓	↓
10858	PG-AZ-11-C5-7	Archive	↓
10859	↓	↓	↓
10860	↓	↓	↓

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: A2-11
Project Number:	Time Collected: 17:29
Crew: JB, LD	Date: 8/13/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10861	PG-A2-11-C7-9	Archive	SAIC
10862	↓	↓	↓
10863	↓	↓	↓
10864	PG-A2-11-C9-11	↓	↓
10865	↓	↓	↓
10866	↓	↓	↓

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: A1-18
Project Number:	Time Collected: 10:33
Crew: JB, LD	Date: 8-14-08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10867	PG-A1-18-C0-1	Archive	SAIC
10868	↓	↓	↓
10869			
10870	PG-A1-18-C1-3	Sulfides	ARI
10871	↓	Conventionals	↓
10872		SVOC / PCBs	
10873		Metals	
10874		Archive	SAIC
10875	PG-A1-18-C3-5	Sulfides	ARI
10876		Conventionals	↓
10877		SVOC / PCBs	
10878		Metals	
10879		Archive	SAIC
10880	PG-A1-18-C5-7	Archive	SAIC
10881	↓	↓	↓
10882			

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: A1-18
Project Number:	Time Collected: 10:33
Crew: JB, LD	Date: 8-14-08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10883	PG-A1-18-C7-9	Archive	SAIC
10884	↓	↓	↓
10885			
10886	PG-A1-18-C9-11	Archive	SAIC
10887	↓	↓	↓
10888			
10889 ~~10889~~	PG-A1-18-C11-13	Archive	SAIC
10890	PG-A1-18-C11-13	↓	↓
10891	"		

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: 00
Project Number:	Time Collected: 11:00
Crew: WH	Date: 8-20-08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10892	PG-00-ER	SVOC/PCB	ARI
10894	↓	"	↓
10896		Metals	
10897	PG-00-RB	SVOC/PCB	↓
10898	↓	"	
10899		Metals	

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: A1-24
Project Number:	Time Collected: 11:06
Crew: SB, LD	Date: 8-14-08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10900	PG-A1-24-C0-1	Archive	SAIC
10901	↓	↓	↓
10902			
10903	PG-A1-24-C1-3	Sulfides	ART
10904	↓	Conventionals	↓
10905		SVOC/PCB	
10906		Metals	
10907		Archive	SAIC
10908		Dioxin	AXYS
10909	PG-A1-24-C3-5	Sulfides	ART
10910	↓	Conventionals	↓
10911		SVOC/PCB	
10912		metals	
10913		Archive	SAIC

Notes:

Completed by: WD

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: A1-24
Project Number:	Time Collected: 11:06
Crew: JB, LD	Date: 8-14-06
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10914	PG-A1-24-C5-7	Archive	SAIC
10915	↓	↓	↓
10916	↓	↓	↓
10917	PG-A1-24-C7-9	Archive	SAIC
10918	↓	↓	↓
10919	↓	↓	↓
10920	PG-A1-24-C9-11	Archive	SAIC
10921	↓	↓	↓
10922	↓	↓	↓
10923	PG-A1-24-C11-13	Archive	SAIC
10924	↓	↓	↓
10925	↓	↓	↓

Notes:

Completed by: ml

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: A1-12B
Project Number:	Time Collected: 9:46
Crew: JB, LD	Date: 8-14-08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10926	PG-A1-12B-CD-1	Archive	SAIC
10927	↓	↓	↓
10928			
10929	PG-A1-12B-C1-3		
10930	↓		
10931			
10932	PG-A1-12B-C3-5		
10933	↓		
10934			
10935	PG-A1-12B-C5-7		
10936	↓	Archive	
10937		"	
10938	~~PG-A1~~ PG-A1-12B-C7-9	Archive	SAIC
10939	PG-A1-12B-C7-9	↓	↓
10940	"		

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: A1-12B-
Project Number:	Time Collected: 9:46
Crew: JB, LD	Date: 8-14-08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10941	PG-A1-12B-C9-11	Archive	SAIC
10942	↓	↓	↓
10943			
10944	PG-A1-12B-C11-13	Archive	SAIC
10945	↓	↓	↓
10946			

Notes:

Completed by: LD

Sample Container Logbook

Page ____

Science Applications International Corporation

2008 Port Gardner Sediment Investigation	Station: A2-T2
Project Number:	Time Collected: 1500
Crew: JN, CH, MB	Date: 8/8/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10680	PG-A2-T2-ES-A	PCBs/Metals	ARI
10681	PG-A2-T2-ESA	Dioxins	AXYS

Notes: extra blended fish in Whirl pak bags in SAIC freezer

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A1-T3
Project Number:	**Time Collected:**
Crew: JN, CH, MB	**Date:** 8/8/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10682	PG-A1-T3-ES-A	Metals/PCBs	ART
10683	PG-A-T3-ES-A	Dioxins	AXYS

Notes:

Completed by: Chris Hart

Sample Container Logbook

Page ____

Science Applications International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A2-T1
Project Number:	**Time Collected:**
Crew: JN, CH, MB	**Date:** 8/8/08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10676	PG-A2-T1-ES-A	Dioxin	Axys
10677	PG-A2-T1-ES-A	Metals/PCBs	ARI

Notes: 132g to Axys, 140g to ARI ⇒ extra, blended fish tissue archived in labeled whirl-pak bags in SAIC freezer

Completed by: M. B

Sample Container Logbook

Page ____

Science Applications International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A4-04
Project Number:	**Time Collected:** 13:15
Crew: JB, LD	**Date:** 8-84-08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10947	PG-A4-04-C0-1	Archive	SAIC
10948	↓	↓	↓
10949			
10950	PG-A4-04-C1-3	Sulfides	ARI
10951		Conventionals	↓
10952		SVOC / PCB	
10953	↓	Metals	
10954		Archive	SAIC
10955	PG-A4-04-C3-5	Archive	SAIC
10956	↓	↓	↓
10957			
10958	PG-A4-04-C5-7	Archive	SAIC
10959	↓	↓	↓
10960			

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A4-04
Project Number:	**Time Collected:** 13:15
Crew: JB, LD	**Date:** 8-14-08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10961	PG-A4-04-C7-9	Archive	SAIC
10962	↓	↓	↓
10963			
10964	PG-A4-04-C9-11	Archive	SAIC
10965	↓	↓	↓
10966			
10967	PG-A4-04-C11-13	Archive	SAIC
10968	↓	↓	↓
10969			

Notes:

Completed by: WP

Sample Container Logbook

Page ____

Science Applications International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A2-07
Project Number:	**Time Collected:** 14:17
Crew: JB, LD	**Date:** 8-14-08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10970	PG-A2-07-C0-1	Archive	SAIC
10971	↓	↓	↓
10972			
10973	PG-A2-07-C4-3	Sulfides	ARI
10974		Conventionals	
10975		SVOC / PCB	
10976		Metals	
10977		Archive	SAIC
10978	PG-A2-07-C3-5	Archive	SAIC
10979	↓	↓	↓
10980			
10981	PG-A2-07-C5-7	Archive	SAIC
10982	↓	↓	↓
10983			

Notes:

Completed by: [signature]

Sample Container Logbook

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Science Applications International Corporation

2008 Port Gardner Sediment Investigation	**Station:** A2-07
Project Number:	**Time Collected:** 14:17
Crew: JB, LD	**Date:** 8-14-08
Comments:	

Sample Container Tag Number	Sample ID	Analysis	Laboratory
10984	PG-A2-07-C7-9	Archive	SAIC
10985	↓	↓	↓
10986			
10987	PG-A2-07-C9-11	Archive	SAIC
10988	↓	↓	↓
10989			
10990	PG-A2-07-C11-13	Archive	SAIC
10991	↓	↓	↓
10992			

Notes:

Completed by: [signature]

SEDIMENT CORING LOG

SAIC — From Science to Solutions

Core Number 1

PROJECT NAME:	Port Gardner	CORE PENETRATION:	13 ft
DATE SAMPLED:	8/13/08	CORE RECOVERY:	11.5 ft
LOCATION:	A1-03-C1	% RECOVERY:	88%
TIME:	09:57	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	34.6 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	47 59.1878 N
WATER DEPTH MLLW:		LONGITUDE:	122 13.3138 W
		NORTHING:	
SAMPLED BY:	L. Delwiche, J. Bons, D. Dickinson	EASTING:	
		WEATHER:	Sunny. Slight breeze

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
		1 0-0.9; 3 0.9-2.6; 5 2.6-4.4; 7 4.4-6.2; 9 6.2-7.9; 11 7.9-9.7; 13 9.7-11.5		
0-4'		PG-A1-03-C#1	Strong H_2S woody Debris at Surface. 0-1.0' v. soft, wet, v dark gray organic silt, ~25% wood debris trace sand.	
		C1-3	1-3.0' soft, wet to moist, black grading to v. dark gray organic silt, trace sand, ~30% wood - cedar pieces, twigs, grass blades?	
3'6"		C3-5	3.0-5.7 soft, moist, dark gray (2.5Y/4/1) clayey silt. methane bubbles on side?	
		C5-7		
4'8"		C7-9	5.7-9.0 ~~soft~~ sl. loose, damp dark gray f. sand w/ trace silt. Small wood pieces @ 5.8', wood fibers 6.7-6.9' Silt increases w/ depth (silty f. sand.	
		C9-11	9.0-11.5 sl. stiff, damp, dark gray f. sandy silt grading to clayey silt w/ depth. Shell pieces 9.0-9.4' (scattered) 10-10.2'	
8-12'		C11-13		
11.5'	B.O.C.	light grey dry clay in core catcher		

REVIEWED BY: _____ PAGE ____ OF ____

SEDIMENT CORING LOG

SAIC — From Science to Solutions

Core Number ~~2~~ ~~3~~ wd 2

PROJECT NAME:	Port Gardner	CORE PENETRATION:	~~5 ft~~ 13 ft wd
DATE SAMPLED:	8-13-08	CORE RECOVERY:	11.0 ft
LOCATION:	A1-07-C3	% RECOVERY:	85%
TIME:	11:39	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	29.8 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	47 59.0814 N
WATER DEPTH MLLW:		LONGITUDE:	122 13.5751 W
		NORTHING:	
SAMPLED BY:	L. Delwiche, J. Boas	EASTING:	
		WEATHER:	Sunny, Slight breeze

CUT in 3' 5" sections

0-1	0-0.9	7-9	6.0-7.7
1-3	0.9-2.6	9-11	7.9-9.4
3-5	2.6-4.3	11-13	9.4-11
5-7	4.3-6.0		

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
0-4 ft		PG-A1-07-C0-1	0-2.7' v. soft, very wet, black clayey silt (organic)	grading to v. dark greenish gray. Strong H_2S odor
		C1-3	2.7-~~7.0~~ 5.0	similar to above w/ scattered woody/organic particles (<5%) trace shells @ 4.7'
3' 5"		C3-5		
		C5-7		
4-8 ft			5.0-6.8 v. soft, wet, black, organic silt. 10-20% woody debris H_2S odor, slight oily sheen 5.5-6.7' petroleum odor	
		C7-9	6.8-8.95 ft, moist, dark grayish brown silt, 10% wood	
		C9-11		
8-12 ft				
		C11-13	8.9-11' soft, damp, dark gray (2.5Y/4/1) fine sand w/ silt, increasing silt w/ depth, scattered shell pieces @ 9.7' (ambient)	
	11.0 ft			

REVIEWED BY: _____ PAGE ____ OF ____

SEDIMENT CORING LOG

Core Number 3

PROJECT NAME:	Port Gardner	CORE PENETRATION:	13.0 ft
DATE SAMPLED:	8-13-08	CORE RECOVERY:	12.16 ft
LOCATION:	A1-15-C1	% RECOVERY:	94%
TIME:	12:27	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	56.4 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	47 58.7924 N
WATER DEPTH MLLW:		LONGITUDE:	122 13.5189 W
		NORTHING:	
SAMPLED BY:	L. Delwiche	EASTING:	
	J. Boas	WEATHER:	Sunny, slight breeze 65°F

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
		1 0-0.9 3 0.9-2.8 5 2.9-4.7 7 4.7-6.6 9 6.6-8.5 11 8.5-10.3 13 10.3-12.2		cut core in 4.0 ft sections
		PG-A1-15-C#-1	0-0.5' loose, moist, dark gray silty f. sand w/ scattered gravels, scattered wood pieces (10%)	sl. H_2S odor
0-4 ft 2		C1-3	0.5-1.6 damp, sl. hard, dark gray (2.5Y/4/1) sl. silty f. sand.	
			1.6-1.7. Coarse-med sand layer	
		C3-5	1.7-10.2 sl. damp, dark gray f. sand, scattered shell pieces (native)	wood pieces @ 8.7'
4				
4-8 ft		C5-7		
6				
		C7-9		
8				
		C9-11		
10				
8-12 ft		C11-13	10.2-12.2 similar to above but ~50% f sand! 50% silt, trace shell pieces.	
12	B.O.C			B.O.C. 12.2'
14			Sa very fine sandy clay in core catcher medium grey no odor	

REVIEWED BY: _____ PAGE ____ OF ____

SEDIMENT CORING LOG

Core Number 4

PROJECT NAME:	Port Gardner	CORE PENETRATION:	10.4 ft
DATE SAMPLED:	8-13-08	CORE RECOVERY:	8.17 ft
LOCATION:	A2-37B-C1	% RECOVERY:	79%
TIME:	13:50	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	8.9 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	47 58.9004 N
WATER DEPTH MLLW:		LONGITUDE:	122 10.1827 W
		NORTHING:	
SAMPLED BY:	L. Delwiche	EASTING:	
	J. Boens	WEATHER:	Sunny. Slight breeze

4 feet rep by 3'2"

1	0.8	7	5.6
3	2.4	9	7.2
5	4.0	10	8.0

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
		PG-A2-37B-C1-1	0-1.6' silt wet to moist black to greenish black organic silt, banding of greenish gray (5GY/4/1) fine sand (1.3-1.7') mod H_2S odor	
		C1-3		
2			1.6-3.6 soft, moist, dark gray silty fine sand, wood chunk 2.4-2.9' (core of log piece?)	
		C3-5	3.6-8.0 soft, damp to moist, dark gray (2.5Y/3/1) f. sand silt woody debris 3.2-3.4' (50%), 6.3-7.0 (25-50%), C-F sand layers 4.0-4.2, 5.5-5.6'	
4		C5-7		
6		C7-9		
		C9-10		
8				8.0'
	B.O.C.		fine-medium grain sand slight silt some woody debris in bottom 6"	
10				
12				
14				

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SEDIMENT CORING LOG

Core Number 5

PROJECT NAME:	Port Gardner	CORE PENETRATION:	12.0 ft
DATE SAMPLED:	8-13-08	CORE RECOVERY:	11.0 ft
LOCATION:	A2-32-C1	% RECOVERY:	91.7%
TIME:	14:38	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	21.0 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	48 00.4336 N
WATER DEPTH MLLW:		LONGITUDE:	122 10.7262 W
		NORTHING:	
SAMPLED BY:	L. Delwiche	EASTING:	
	J. Boas	WEATHER:	Sunny Some wind

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
		1 0-0.9 3 0.9-2.8 5 2.8-4.6 7 4.6-6.4 9 6.4-8.3 11 8.3-10.1 12 10.1-11.0		4' reps by 3'8"
		PG-A2-32-C0-1	loose to sl. hard, damp, sand, gravel 0-5.4'	dark grayish brown (2.5Y/4/2) C-M shift to V. dark grayish brown w/ depth (2.5Y/3/2)
2		C1-3		
4		C3-5		
		C5-7		
6			5.4-7.4 sl. hard, damp, wood piece 5.7-4.2'	V. dark gray (2.5Y/3/1) F-M sand.
		C7-9	7.4-7.5 sand silt clay lense, twig 7.5-11.0 similar to 5.4-7.4 interval, grain size shifts to fine sand below 9.8'	
8				
		C9-11		
10		C11-12		
12	B.O.C		medium grain sand light gray slightly wet some small pieces 2-3cm of woody debris	
14				

REVIEWED BY: _____ PAGE ____ OF ____

SEDIMENT CORING LOG

Core Number 6

SAIC — From Science to Solutions

PROJECT NAME:	Port Gardner	CORE PENETRATION:	9.3 ft
DATE SAMPLED:	9-13-08	CORE RECOVERY:	6.8 ft
LOCATION:	A2-30-C1	% RECOVERY:	73%
TIME:	15:22	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	10.5 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	48 01.0670 N
WATER DEPTH MLLW:		LONGITUDE:	122 11.6525 W
		NORTHING:	
SAMPLED BY:	C. Delwiche	EASTING:	
	J. Boas	WEATHER:	

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
				4' rep by ~3.0 ft 0-.7 5.1-6.6 7-9
			0-1	
			1-3 .7-2.2	
			3-5 2.2-3.7	
			5-7 3.7-5.1	
		PG-A2-30-CP-1	0-1.7' soft, wet black, mottled w/ greenish grey (10Y/4/1) organic silt, 1.7-1.9' 50% woody fibers.	
		C1-3		
2				
		C3-5	1.9-3.0 slightly hard, damp, wood pieces:	dark greenish grey (10Y/4/1) sl. silty f. sand fibers (50%) 2.3-2.5'
			3.0-3.4' 50%-75% woody particles	
		C5-7	3.4-4.6 damp, loose, v. dark grey (2.5Y/3/1) f. sand, grading to med sand w/depth	
4				
			4.6-6.1 soft, damp, v. dark grey (2.5Y/3/1) sl. sandy organic silt, 25% wood fibers 4.6-5.2'	
		C7-9		
6			6.1-6.3' med. sand.	
	B.O.C		coarse silty sand dark grey no odor in core catcher	6.3' B.O.C. (= 8.6' pen)
8				
10				
12				
14				

REVIEWED BY: _____ PAGE ____ OF ____

SEDIMENT CORING LOG

Core Number 7

PROJECT NAME:	Port Gardner	CORE PENETRATION:	13.0 ft
DATE SAMPLED:	8-13-08	CORE RECOVERY:	11.7 ft
LOCATION:	A2-25-C1	% RECOVERY:	90 %
TIME:	16:01	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	6.7 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	48 01.1311 N
WATER DEPTH MLLW:		LONGITUDE:	122 12.4954 W
		NORTHING:	
SAMPLED BY:	G. Delwiche	EASTING:	
	J. Boas	WEATHER:	

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
		1 0-0.9 3 0.9-2.7 5 2.7-4.5 7 4.5-6.3 9 6.3-8.1 11 8.1-9.9 13 9.9-11.7		4' rep by 3' 7"
		PG-A2-25-C1-1	0-1.2 Mod. hard, damp,	dark brown to v. dark gray silty f. sand (7.5Y/3/2) (7.5Y/3/1)
			shell pieces 0.5'	5% woody debris/small pieces, f sand lense 0.8-0.9
		C1-3	1.2-4.0 Mod hard, damp,	v. dark gray (7.5Y/3/1) silty f. sand.
			M-F sand lenses 1.7-2.3, 2.9-3.2,	Fine woody layers 1.5-1.6, 1.9, 2.1,
		C3-5	Clay/silt lenses @ 1.6' 2.3' 2.55'	2.2, 2.3, 2.4, 2.5, 2.7, 2.9, 3.2.
			4.0-7.2 loose, moist,	v. dark gray (7.5Y/3/1) F-M sand,
		C5-7	scattered twig/wood pieces.	5.9-6.1 Wood pieces/twigs (50%)
		C7-9	7.2-11.7' loose, dry,	v. dark gray (7.5Y/3/1) F-M sand.
		C9-11		
		C11-13		
12	B.O.C.		medium grain sand strong H_2S some woody debris	
14				

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SEDIMENT CORING LOG

Core Number 8

PROJECT NAME:	Port Gardner	CORE PENETRATION:	13.0 ft
DATE SAMPLED:	8-13-08	CORE RECOVERY:	12.8 ft
LOCATION:	A2-18	% RECOVERY:	98.7%
TIME:	16:31	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	6.2 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	48 00.6661 N
WATER DEPTH MLLW:		LONGITUDE:	122 13.1183 W
		NORTHING:	
SAMPLED BY:	L. Delwiche	EASTING:	
	J. Boas	WEATHER:	Sunny ~~Sta~~ windy

4' rep ~ 4'

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
		PG-A2-18-C0-1	0-2.5 wet to dry, hard, dark brown (7.5Y/3/2) f. sandy silt. 15-20% wood debris, sulfide odor	
2		C1-3		
			2.5-4.0 damp to dry, hard, dark brown (7.5Y/3/2) silty f. sand, dark gray to black 3-3.3', wood fiber layer @ 3.5'	
4		C3-5	4-7.0 ~~Sideriz~~ damp, mod hard, dark brown (7.5Y/3/2) mottled w/ black/gray spots, sl. silty f. sand.	
6		C5-7		
			7.0 - layer of fine organic wood fibers (black	
8		C7-9	7.0 - 12.0 damp to dry, dark brown, F-M sand, trace silt. Twigs @ 9.9' 10.1'	Silt lenses @ 9.4, 10.7-10.8, 11.2'
10		C9-11		
		C11-13		
12				B.O.C 12.0 Recovered
14	B.O.C		medium grain sand wet no odor medium grey	

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SEDIMENT CORING LOG

Core Number 9

PROJECT NAME:	Port Gardner	CORE PENETRATION:	11.0 ft
DATE SAMPLED:	8-13-08	CORE RECOVERY:	9.7 ft
LOCATION:	A2-11-C1	% RECOVERY:	88%
TIME:	17:29	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	24.9 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	47 59.8586 N
WATER DEPTH MLLW:		LONGITUDE:	122 13.4316 W
		NORTHING:	
SAMPLED BY:	C. Delwiche	EASTING:	
	J. Boas	WEATHER:	sunny, breezy

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
		0-1 1-3 3-5 5-7 7-9	0-0.9 0.9-2.7 2.7-4.4 4.4-6.2 6.2-7.9	9-11 7.9-9.7 4' rep by ~ 3' 7"
		PG-A2-11-C1-1	0-0.9' loose, moist, v. dark gray (7.5Y/3/1) f. sand. woody debris (small pieces & fibers ~20-25%) 0-0.2'; 0.7-0.9', Mod H_2S odor.	
2		C1-3	0.9-1.9. soft moist, brown (7.5Y/4/2) sl. sandy silt, woody debris along side (drag down?) 1.6-1.9'	
4		C3-5	1.9-2.6 similar to above but black to dark gray, f. organic fibers scattered throughout, 10% wood fibers @ 2.6-2.8' 2.6-3.9 soft, damp, dark brown silty fine sand. (7.5Y/3/2)	
6		C5-7	3.9-8.5 similar to above with fine woody fibers mixed in throughout (~5-10%) 30-40% wood @ 4.3-4.4'	
		C7-9		
8		C9-11	8.5-9.4 loose, damp, dark brown f. sand. ~5% f. wood fibers	
				B.O.C 9.4'
10			medium grain silty sand in core catcher no odor	
12				
14				

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SEDIMENT CORING LOG

Core Number 10

PROJECT NAME:	Port Gardner	CORE PENETRATION:	13.0 ft -6 in → 12.5 ft
DATE SAMPLED:	8-14-08	CORE RECOVERY:	11.5
LOCATION:	A1-12B-C1	% RECOVERY:	92%
TIME:	9:46	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	35.0 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	47 58.8970 N
WATER DEPTH MLLW:		LONGITUDE:	122 13.2121 W
		NORTHING:	
SAMPLED BY:	C. Delwiche	EASTING:	
	J. Bass	WEATHER:	Sunny Calm

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
		1 0-0.9 3 0.9-2.7 5 2.7-4.6 7 4.6-6.4 9 6.4-8.3 11 8.3-10.1 13 10.1-12.5 M/archive		4' rep by 3' 7" * lost 0.4' off top. * Strong H_2S odor
		PG-A1-12B-C0-1	0.4 - 1.8' v. soft, wet, v. dark brown to black (10YR/2/1) silt w/ trace f. sand. Wood debris 20-25%	
2		C1-3	1.8 - 4.0 similar to above, ~5% wood debris or less. 4.0-4.1 - wood pieces (50%)	
4		C3-5	4.1-5.5 loose, damp, very dark gray (10YR/3/1) F-M sand scattered shell pieces, gravel @ 4.9'	
6		C5-7	5.5 - 7.4 similar to above, but grades to C-M sand w/ depth, no shells below 6.0'	
8		C7-9	7.4 - 11.0 loose, damp, v. dark gray F-M sand, scattered shell particles 8.0-9.4' wood particles 9.4-11.0' (<5%)	
10		C9-11		
		C11-13		B.O.C. 11.0'
12	B.O.C		coarse grain sand medium grey strong H_2S in bottom 10" mixed gravel throughout ~~1~~ cm pieces	
14				

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SEDIMENT CORING LOG

SAIC — From Science to Solutions

Core Number 11

PROJECT NAME:	Port Gardner	CORE PENETRATION:	13.0 ft
DATE SAMPLED:	8-14-08	CORE RECOVERY:	~~11.3 ft~~ 12.3 ft
LOCATION:	A1-18-C1	% RECOVERY:	95%
TIME:	10:33	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	98.0 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	47 58.7386 N
WATER DEPTH MLLW:		LONGITUDE:	122 13.7878 W
		NORTHING:	
SAMPLED BY:	C. Delwiche, J. Burns	EASTING:	
		WEATHER:	Sunny Calm

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
		1 0-1 3 1-2.9 5 2.9-4.8 7 4.8-6.7 9 6.7-8.6 11 8.6-10.5 13 10.5-12.3		4' rep by 3'10"
		PG-A1-18-C0-1	0-0.6' soft, wet, v. dark grayish brown (10YR/3/2) silty f. sand w/ <5% fine wood particles	
2		C1-3	0.6-1.3 f. sandy silt. long wood piece @ 1.3' 1.3-1.4 f-m sand layer	
		C3-5	1.4-2.9 soft, moist, v. dark gray (10YR/3/1) clayey silt 2.9-3.3 similar to above, grades to silty f. sand w/ depth scattered wood fibers (3%) trace shell particles	
4		C5-7	3.3-4.1 soft, moist, v. dark gray (10YR/3/1) silt. 4.1-5.2 loose, damp, dark gray (10YR/4/1) M-F sand grading to C sand w/ depth.	
6		C7-9	5.2-6.4 Mod hard, damp, brown (7.5YR/4/2) sl. silty f. sand	
8		C9-11	6.4-7.9 similar to above w/ mod shell pieces (10%), 2 small (0.5 cm) wood pieces @ 7.8' 7.9-10' similar to 5.2-6.4' interval	
10		C11-13	10-11.2 sl. hard, damp, brown (7.5YR/4/2) silt w/ f. sand. twigs @ 10.6' 11.2-11.5 similar to 5.2-6.4' interval	
12				B.O.C. 11.5'
14	B.O.C		fine grain slightly wet sand No odor some clay medium grey	

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SEDIMENT CORING LOG

Core Number 12

PROJECT NAME:	Port Gardner	CORE PENETRATION:	13.0 ft
DATE SAMPLED:	8-14-08	CORE RECOVERY:	12.2 ft
LOCATION:	A1-24-C1	% RECOVERY:	94 %
TIME:	11:06	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	54.0 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	47 58.5880 N
WATER DEPTH MLLW:		LONGITUDE:	122 13.6451 W
		NORTHING:	
SAMPLED BY:	L. Delwiche	EASTING:	
	J. Boas	WEATHER:	Sunny Calm

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
		1 0-0.9 3 0.9-2.8 5 2.8-4.7 7 4.7-6.6 9 6.6-8.5 11 8.5-10.3 13 10.3-12.2		4' rep by 3'9"
		PG-A1-24-C1-1	0-1.1 soft, wet, v. dark grayish brown (10YR/3/2) silt w/ trace sand, mod wood debris (20%)	Strong H_2S odor
2		C1-3	1.1 - ~~2.8~~ 5.4' soft, moist v. dark grayish brown (10YR/3/2) silt w/ trace sand, (25-30%) wood debris	
4		C3-5		
6		C5-7	5.4 - ~~7.5~~ 11.3' loose, damp, scattered shell pieces	dark gray (10YR/4/1) f. sand (ambient sed)
8		C7-9		
10		C9-11		
		C11-13		
12				B.O.C. 11.3'
14	B.O.C		fine grain slightly wet sand medium grey no odor slightly sticky	

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SEDIMENT CORING LOG

SAIC — From Science to Solutions

Core Number 13

PROJECT NAME:	Port Gardner	CORE PENETRATION:	9.5 ft
DATE SAMPLED:	8-14-08	CORE RECOVERY:	8.1 ft
LOCATION:	A3-05-C1	% RECOVERY:	85 %
TIME:	12:35	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	8.0 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	48 01.9753 N
WATER DEPTH MLLW:		LONGITUDE:	122 12.1834 W
		NORTHING:	
SAMPLED BY:	L. Delwiche	EASTING:	
	J. Boas	WEATHER:	Sunny Slight Breeze

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
		1 0-0.9 3 0.9-2.6 5 2.6-4.3 5-7 4.3-6 7-9 6-7.7		4' rep by 3'5"
		PG-A3-05-C0-1	0-0.5 loose, wet, silty f. sand w/ wood debris (50-60%)	dark gray (7.5Y/4/1)
		C1-3	0.5-4.7 loose, wet to damp, dark brown to dark gray f sand, grading to F-M sand w/depth.	
2				
		C3-5		
4			4.7-7.4 Sl. hard, damp, v. dark gray F-M sand, grading to Med sand w/depth (w/some coarse)	
		C5-7		
6				
		C7-9		
8				B.O.C. 7.4'
	B.O.C		medium grain sand medium gray no odor bottom 7"	
10				
12				
14				

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SEDIMENT CORING LOG

Core Number 14

PROJECT NAME:	Port Gardner	CORE PENETRATION:	13.0 ft
DATE SAMPLED:	8-14-08	CORE RECOVERY:	11.0 ft
LOCATION:	A4-04-C1	% RECOVERY:	85%
TIME:	13:15	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	8.5 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	48 01.3935 N
WATER DEPTH MLLW:		LONGITUDE:	122 14.7449 W
		NORTHING:	
SAMPLED BY:	L. Delwiche	EASTING:	
	J. Boas	WEATHER:	

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
		1 0-.9 3 0.9-2.6 5 2.6-4.3 7 4.3-6.0 9 6.0-7.7 11 7.7-9.4 13 9.4-11.0		4' rep by 3' 5"
			0-0.2' Wood bark debris, tube worm. 0.2-0.8, loose, damp, dark grayish brown (10YR/4/2) f. sand grading to med sand w/ depth. 0.8-3.5 loose, damp, dark grayish brown med sand w/ some coarse sand w/ depth. 3.5-8.4 similar to above, 2 large wood pieces @ 5-5.1' coarse sand increasing a little more w/ depth. 8.4-8.6, 8.8-9.0 Gaps in core, slide down. 9.0-11.0 similar sediment, color is dark gray (10YR/4/1) packet of silt @ 10.2'	
2				
4				
6				
8				
10				9" cavity at bottom of core
12			medium grain sand no odor	
14				

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SEDIMENT CORING LOG

SAIC — From Science to Solutions

Core Number 15

PROJECT NAME:	Port Gardner	CORE PENETRATION:	13.0 ft
DATE SAMPLED:	8-14-08	CORE RECOVERY:	12.2 ft
LOCATION:	A2-02-C1	% RECOVERY:	94 %
TIME:	13:48	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	9.8 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	48 00.1994 N
WATER DEPTH MLLW:		LONGITUDE:	122 15.3745 W
		NORTHING:	
SAMPLED BY:	C. Delwiche	EASTING:	
	J. Boas	WEATHER:	Sunny Windy

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
		1 0.9 3 0.9-2.8 5 2.8-4.7 7 4.7-6.6 9 6.6-8.5 11 8.5-10.3 13 10.3-12.2	(0-3.2')	4' rep by 3'9"
		PG-A2-02-C0-1	loose, wet to moist, brown	(7.5YR/4/3) M-F Sand. Ghost Shrimp @ 1.0'
2		C1-3	3.2-4.1 loose, damp, brown to dark gray M-F sand mottled w/ clasts of dark gray to black clay, scattered thin layers f. wood fibers	
4		C3-5	4.1-9.2 loose, moist, dark gray, sl. silty f. sand, scattered shell particles w/ depth. Fine wood fiber layers 3.8-4.9' scattered fine wood particles w/ depth	
6		C5-7	Grades to med sand. 8.4-9.2	
8		C7-9		
10		C9-11	9.2-12.2 Mod hard, damp, v. dark gray (7.5YR/3/1) sl. silty f. sand, scattered to trace shell particles, f. wood pieces/fibers	
12		C11-13		
14	B.O.C		fine grain dry sand medium grey strong H_2S	

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SEDIMENT CORING LOG

SAIC — From Science to Solutions

Core Number 16

PROJECT NAME:	Port Gardner	CORE PENETRATION:	13.0 ft
DATE SAMPLED:	8-14-08	CORE RECOVERY:	10.8 ft
LOCATION:	A2-07	% RECOVERY:	83 %
TIME:	14:17	SAMPLING METHOD:	Vibracore
UNCORRECTED DEPTH (-FT)	9.2 ft	POSITION METHOD:	DGPS
NOS WATER LEVEL (TIDE):		LATITUDE:	47 59.6233 N
WATER DEPTH MLLW:		LONGITUDE:	122 14.0339 W
		NORTHING:	
SAMPLED BY:	L. Delwiche, J. Boas	EASTING:	
		WEATHER:	Sunny Windy

DEPTH: Recovered Core Length	DEPTH: Feet Below Mudline Based on Actual % Recovery	SAMPLE ID	SEDIMENT DESCRIPTION	COMMENTS
		1 0-0.8; 3 0.8-2.5; 5 2.5-4.2; 7 4.2-5.8; 9 5.8-7.5; 11 7.5-9.1; 13 9.1-10.8		4' = 3' 4"
				Mod H_2S odor
		PG-A2-07-C0-1	0-2.9 loose, wet to moist, v. dark gray (10YR/3/1) f. sand, woody debris @ 2.0', 3.1', 3.2'	
2		C1-3	2.9-3.4 Mod soft, to sl. stiff, v. dark grayish brown (10YR/3/2) clayey silt.	
4		C3-5	3.4-5.3 similar to above, w/ trace fine sand, large wood chunk 4.4-4.6, woody debris w 3-5% throughout interval	
6		C5-7	5.3-~~6.4~~ 7.0 sl. hard, damp, v. dark gray, silty F sand. 10% shell hash/debris (ambient?)	
		C7-9	7.0-10.0' soft, damp, v. dark gray, silty f. sand trace shell debris (ambient?)	
8		C9-11		
10		C11-13		
				B.O.C 10.0'
12			fine grain sand moderate H_2S	& shell debris in core catcher
14				

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Surface Sediment Sample Logbook

2008 Port Gardner Sediment Investigation
Everett, WA

July – September 2008

SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:_____

Station:_____
Date: 8/1/08

Crew: JMN, LD, JJN, CE, AG, RM

Grab #: A1-Ø1	Bottom depth: 8.8 m	Penetration Depth: 15 cm	Time: 1148
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	F. Sandy silt, ½cm olive brown over reduced black abundant woody debris w/ depth, oily sheen droplets slight H_2S odor
Gravel	Brown	Slight	
Sand C M (F)	Brown surface	Moderate	
(Silt/clay)	Gray	Strong	
Organic matter	(Black)	Overwhelming	
(Woody debris)	Other:	(H_2S)	
Shell debris metal piece		Petroleum	

Grab #: A1-Ø2	Bottom depth: 13.1 m	Penetration Depth: + 15cm	Time: 1218
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	v. soft, wet, black organic silt. overpenetrated slight RPD (olive brown) on one side of grab
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
(Silt/clay)	Gray	Strong	
(Organic matter)	(Black)	Overwhelming	
Woody debris	Other:	(H_2S) strong	
Shell debris		Petroleum	

Grab #: A1-Ø3	Bottom depth: 10.5	Penetration Depth: 14-15 cm	Time: 1328
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	soft, wet, dark gray to black sl. sandy silt, abundant woody debris - large cedar shards in jaws, pieces mixed in sediment
Gravel	Brown	Slight	
Sand C M (F) Trace	Brown surface	Moderate	
(Silt/clay)	Gray	(Strong)	
Organic matter	(Black)	Overwhelming	
(Woody debris)	Other:	(H_2S)	
Shell debris		Petroleum	slight o.p. on one side

Grab #: A1-Ø4	Bottom depth: 8.1m	Penetration Depth: +15 cm	Time: 1351
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	Fine particulates on surface, may be wood particles, small polychaete, soft, wet, black organic silt. trace shell (mussel) particles over penetrated grab.
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
(Silt/clay)	Gray	(Strong)	
Organic matter	(Black)	Overwhelming	
(Woody debris) Trace	Other:	(H_2S)	
(Shell debris) Trace		Petroleum	

Recorded By:_____

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SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 8/1/08

Crew: JMN, CE, AG, RM, LD, JSN

Grab #: A1-07	Bottom depth: 8.9 m	Penetration Depth: 13-14 cm	Time: 1414
Sediment type:	*Sediment color:*	*Sediment Odor:*	*Comments:*
Cobble	Drab olive	None	Predominantly wood debris (cedar: fir bark), scattered large rocks
Gravel	Brown	Slight	soft, wet, black silt matrix.
Sand C M F	Brown surface	Moderate	highly organic, ~0.5 cm dark
Silt/clay	Gray	Strong	olive brown surface.
Organic matter	Black	Overwhelming	
Woody debris Abundant	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A1-07 #2	Bottom depth: 9.2 m	Penetration Depth: 13 cm	Time: 1424
Sediment type:	*Sediment color:*	*Sediment Odor:*	*Comments:*
Cobble	Drab olive	None	Small crabs present
Gravel	Brown	Slight	similar to previous, 75-80%
Sand C M F	Brown surface	Moderate	wood debris (cedar, fir bark)
Silt/clay	Gray	Strong	Macoma shell, some oily sheen.
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A1-10	Bottom depth: 10.8	Penetration Depth: +15 cm	Time: 1445
Sediment type:	*Sediment color:*	*Sediment Odor:*	*Comments:*
Cobble	Drab olive	None	overpenetrated.
Gravel	Brown	Slight	soft, wet, black, organic
Sand C M F	Brown surface	Moderate	silt, mod. woody debris (chips
Silt/clay	Gray	Strong	sticks, fibers), scattered
Organic matter	Black to olive black	Overwhelming	mussel shells
Woody debris chips	Other:	H_2S	
Shell debris mussel		Petroleum	

Grab #: A1-11	Bottom depth: 12.2	Penetration Depth: 15 to +15 cm	Time: 1501
Sediment type:	*Sediment color:*	*Sediment Odor:*	*Comments:*
Cobble	Drab olive brown surface	None	½ cm olive brown over dark
Gravel	Brown	Slight	gray to black
Sand C M F odd	Brown surface	Moderate	soft, wet, black, slightly
Silt/clay	Gray	Strong	sandy silt, organic,
Organic matter	Black	Overwhelming	Abundant (~50-60%)
Woody debris	Other:	H_2S	woody debris in chunks
Shell debris		Petroleum	

Recorded By:

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SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 8/1/08

Crew: JMN, CE, LO, AG, JSN, RM

Grab #: A1-12	Bottom depth: 14.6 m	Penetration Depth: +15 cm	Time: 1518
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:*** oil sheen globule. soft, wet, black, organic clayey silt. Wood debris in jaws. overpenetrated
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong to	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A1-15	Bottom depth: 18.5 m	Penetration Depth: 14-15 cm	Time: 1533
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:*** brittlestar, polychaetes in sed, scattered woody debris (cedar) Olive + olive gray, silty F-M sand scattered quartz gravels, shell particles, barnacles
Cobble	Drab olive	None	
Gravel scattered	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black Olive gray	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A1-15 #2	Bottom depth: 18.6 m	Penetration Depth: 13-14 cm	Time: 1546
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:*** snail, small gravel, polychaete (spio) on surface, thumb size bark chunk on surface, shell pieces, scattered wood
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black Olive gray	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By:

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SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 8/4/08

Crew: JMN, JNak, CE, Andy, Colin Ray

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-16	15.2	+ 15 cm	11:33
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- pockets of sand
Gravel	Brown	Slight	- some shell & wood debris
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray olive	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-17	19.7	11 cm	11:48
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- moderate wood debris ~25%
Gravel	Brown	Slight	- snails of surface wood
Sand C M F	Brown surface	Moderate	- a few rocks
Silt/clay	Gray olive	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-18	29.0	11 cm	12:01
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	Woody debris at bottom - 50% wood below 10cm
Gravel	Brown	Slight	- trace shell debris
Sand C M F	Brown surface	Moderate	- snails on surface
Silt/clay	Gray	Strong	- polycaetes
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-20	14.2	13 cm	12:19
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- polycaetes
Gravel	Brown	Slight	- 1cm olive brown surface over gray-black
Sand C M F	Brown surface	Moderate	10% woody debris, mostly on surface
Silt/clay	Gray	Strong	
Organic matter	Black → below 1cm	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By: [illegible]

SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 8/4/08

Crew: JMN, JLN, CE, AG, Colin Ray

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-23	72.0	15+	12:41
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- slightly sandy silt
Gravel	Brown	Slight	- wood debris @ 10cm
Sand C M F	Brown surface	Moderate	25% wood below 10cm
Silt/clay	Gray → o/NL gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-24	16.6	15	12:53
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	sandy silt
Gravel	Brown	Slight	35% woody debris
Sand C M F	Brown surface	Moderate	organic rich
Silt/clay	Gray	Strong	a few polycaetes
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-33	102.2	15+	13:54
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	silty fine sand
Gravel	Brown	Slight	no wood debris
Sand C M F	Brown surface	Moderate	overpenetration into sed
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-40	15.2	12 cm	14:12
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- snails on surface
Gravel	Brown	Slight	- phytoplankton surface coating
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By: [signature]

SAIC
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Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 8/4/08

Crew: SMN, JLN, AG, CE, CR

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-48	30.4	11 cm	14:41
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	Lots of shell debris over silty sand w/ 50% shell hash
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	mostly mussle & clam shells
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-46	2.6	10 cm	15:00
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	some eelgrass
Gravel	Brown	Slight	2 polycaetes
Sand C M F	Brown surface	Moderate	a few shell bits
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-44	11.1	11	15:16
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	homogenous fine sand
Gravel	Brown	Slight	some eelgrass
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-38	3.7	14 cm	15:26
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	organic coating on surface
Gravel	Brown	Slight	coarse sand
Sand C M F	Brown surface	Moderate	no biology
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By: [illegible]

SAIC
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Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 8/4/08

Crew: JMN, JLN, AG, CE, CR

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-31	3.0	12 cm	15:35
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	organic layer on top
Gravel	Brown	Slight	homogenous sand
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-10	4.2	15+	15:56
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	fine woody debris on surface
Gravel	Brown	Slight	leafy wood debris
Sand C M F	Brown surface	Moderate	more silty than sandy
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-11	6.2	10	16:19
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	Dark gray
Gravel	Brown	Slight	5-10% woody debris twigs & chucks
Sand C M F	Brown surface	Moderate	shell debris
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-13	6.2	15+	16:34
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- very soft silt
Gravel	Brown	Slight	- grab overpenetrated
Sand C M F	Brown surface	Moderate	- no debris
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By: [illegible]

SAIC
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Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:_____
Station:_____
Date: 8/4/08

Crew: SMN, TLN, AG, CE, CR

Grab #: 22 A2-~~19~~ JN	Bottom depth: 3.2	Penetration Depth: JN ~~3~~. 15	Time: 17:07
Sediment type:	*Sediment color:*	*Sediment Odor:*	*Comments:*
Cobble	Drab olive	None	- varnish clam
Gravel	Brown	Slight	- sandlance burrowed in sed
Sand C M F	Brown surface	Moderate	- very homogenous
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A2-28	Bottom depth: 5.8	Penetration Depth: 14	Time: 17:27
Sediment type:	*Sediment color:*	*Sediment Odor:*	*Comments:*
Cobble	Drab olive	None	- homogenous coarse sand
Gravel	Brown	Slight	- some shell debris
Sand C M F	Brown surface	Moderate	~ 20% woody debris
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A2-30	Bottom depth: 4.5	Penetration Depth: 15	Time: 17:42
Sediment type:	*Sediment color:*	*Sediment Odor:*	*Comments:*
Cobble	Drab olive	None	0.5 cm silt overlying coarse sand
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A2-31	Bottom depth: 3.6	Penetration Depth: 13	Time: 17:57
Sediment type:	*Sediment color:*	*Sediment Odor:*	*Comments:*
Cobble	Drab olive	None	piece of wood on surf
Gravel	Brown	Slight	~ 5% woody Debris
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By: [signature]

SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 8/4/08

Crew: JMN, JLN, AG, CE, CR

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-32	7.3	14	18:19
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	homogenous coarse sand
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-35	5.3	10	18:33
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	homogenous sand/gravel
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-36	6.9	15	18:51
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	Amphipod tubes on surf
Gravel	Brown	Slight	0.5 cm tan sand over
Sand C M F	Brown surface	Moderate	black leafy debris
Silt/clay	Gray	Strong	sulfidic bottom layer
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By:

SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 8/15/08
Crew: JMN, JB, CR, AG, CE

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-04	3.7 m	10 cm	17:12
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- eelgrass on top
Gravel	Brown	Slight	- some ulva
Sand C M F	Brown surface	Moderate	- polychaetes
Silt/clay	Gray	Strong	- consistent texture
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-02	3.8	15cm	17:24
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	sandlance
Gravel	Brown	Slight	consistent texture
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A4-03	4.0	14cm	17:51
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- sandlance
Gravel	Brown	Slight	- consistent texture
Sand C M F	Brown surface	Moderate	- no debris
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A4-04	4.0	15	18:01
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- sandlance
Gravel	Brown	Slight	- consistent texture
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By: [signature]

SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 8/5/08

Crew: JMN, JB, AG, CE, CR

Grab #:	Bottom depth:	Penetration Depth:	Time:
A4-05	4.9	14	18:17
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	no debris
Gravel	Brown	Slight	consistent texture
Sand C M F	Brown surface	Moderate	sand lance
Silt/clay	Gray	Strong	1 varnish clam
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A4-06	3.7	15+	18:37
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	no debris
Gravel	Brown	Slight	consistent texture
Sand C M F	Brown surface	Moderate	no biology
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A4-07	2.5	12	18:46
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	small bits of shell debris
Gravel	Brown	Slight	small sticks < 10%
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A4-08	4.2	10	19:05
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	eelgrass
Gravel	Brown	Slight	- lots of woody debris large and small chunks
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By:

SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 8/5/08

Crew: JMN, JB, CR, AG, CE

Grab #:	Bottom depth:	Penetration Depth:	Time:
A3-02	4.9	15	19:47
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	eelgrass on top
Gravel	Brown	Slight	small amount of woody debris < 5%
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	Black layer at ~8cm (~2 cm thick)
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A3-05	5.6	11	20:00
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- intact clam shells
Gravel	Brown	Slight	- no wood
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A3-07	3.0	10	20:11
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	one chuck of wood
Gravel	Brown	Slight	consistent texture
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A3-07B	3.0	10	20:21
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	oily sheen on surface
Gravel	Brown	Slight	small chunk of wood
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By: J Nm

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SAIC
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Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:_____

Station:_____
Date: 8/5/08

Crew:_____

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-08	2.4	14	21:03
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	no debris
Gravel	Brown	Slight	consistent throughout
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-07	4.2	10	21:33
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	lots of eelgrass
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By:_____

SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event: _____
Station: _____
Date: 8/6/08

Crew: JMN, JB, CE, AG, CR

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-37	2.1 m	11 cm	17:25
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	rust color
Gravel	Brown	Slight	Red layer 2cm thick @ 5 cm depth
Sand C M F	Brown surface	Moderate	- a few gravel particles mixed throught
Silt/clay	Gray	Strong	- no biology or wood
Organic matter	Black	Overwhelming	
Woody debris	Other: Red	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-37B	3.0	14	17:38
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	amphipod tubes
Gravel	Brown	Slight	large woody debris 15%
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-38B	4.5	12cm	18:19
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	very fine & gooey
Gravel	Brown	Slight	fine woody debris
Sand C M F	Brown surface	Moderate	Black layer at 8cm - bottom
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-38	4.8	14	18:32
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	consistent texture
Gravel	Brown	Slight	no debris
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By: _____

SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 8/6/08

Crew: JMN, JB, CE, AG, CR

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-40	6.0	12	19:14
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	lots of small woody debris
Gravel	Brown	Slight	consistent coarse texture
Sand C M F	Brown surface	Moderate	no biology
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-42	6.0	15+	19:34
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	no debris
Gravel	Brown	Slight	no biology
Sand C M F	Brown surface	Moderate	consistent texture
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-43	6.0	15+	20:08
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	no debris
Gravel	Brown	Slight	no biology
Sand C M F	Brown surface	Moderate	consistent texture
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-43B	3.2	14 cm	20:22
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	consistent texture
Gravel	Brown	Slight	no debris
Sand C M F	Brown surface	Moderate	no biology
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By:

SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 8/7/08

Crew: JMN, JB, CE, AG, CR

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-19	5.1	14	16:52
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	-lots of small shell hash
Gravel	Brown	Slight	· partial muscle shells
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A3-13	3.0	11	17:38
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	no debris
Gravel	Brown	Slight	consistent texture
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	woody chuck @ 10cm
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A3-12	5.0	14	17:54
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- no debris
Gravel	Brown	Slight	· consistent texture
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A3-11	6.0	13	18:09
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	no debris
Gravel	Brown	Slight	consistent texture
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By: [signature]

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Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 8/7/08

Crew: JMN, JB, CR, CE, AG

Grab #:	Bottom depth:	Penetration Depth:	Time:
A3-10	6.4	10	18:28
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	large and small woody debris ~ 20%
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	- no biology
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A3-09	7.9	13	18:42
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- slight fishy smell
Gravel	Brown	Slight	- small pieces of woody debris < 10%
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-24	2.8	15+	20:11
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	very fine
Gravel	Brown	Slight	dark organic layer @ 4 cm depth
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-25			20:20
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	small bit of woody debris < 5%
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	dark organics swirled throughout
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

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Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:_____
Station:_____
Date: 8/7/08

Crew:_____

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-14	3.7	13 cm	20:48
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	lots of medium woody debris ~60%
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-26	5.6	5 3X	1015
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	NO BIOLOGY OR WOODY DEBRIS SLIGHT ODOR (ORGANIC)
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

8/11/08

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-29	4.8	4 3X	1030
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	ONE SM PIECE EEL GRASS ON SURFACE
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Some Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-34B	~~5.2~~ 6.6	3 8X	~~1055~~ 1105
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	1ST ATTEMPT TOO SANDY NEPOS. LARGE WOODY DEBRIS (STICKS) (2X) NO BIOLOGY
Gravel Some	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Some Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By:_____ 8/11/08

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SAIC
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Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:_____
Station:_____
Date: 8/11/08

Crew: JN, JB, GV GM

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-34	5.6	6 2X	1120
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	NO BIOLOGY
Gravel	Brown	Slight	SM BITS WOOD DEBRIS
Sand C M F	Brown surface	Moderate	MID CHANNEL
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-35B	10.8	5 2X	1136
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	MID CHANNEL NO GOOD REPOSITION
Gravel	Brown TOP	Slight	WEST SIDE, NEXT T/ROW OF PILES
Sand C M F	Brown surface	Moderate	DEFINATIVE BLACK MODERATE ODOR
Silt/clay	Gray BELOW 1cm	Strong	2ND GRAB SAMPLER
Organic matter	Black	Overwhelming	NO BIOLOGY
FINE Woody debris	Other:	H_2S	
Shell debris		Petroleum LOWER	SECTION

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-35B	12.8	8 2X	1157
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	NO BIOLOGY
Gravel	Brown	Slight	SM WOOD DEBRIS
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-46	9.0	4	1304
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	WOOD DEBRIS
Gravel	Brown	Slight	ADJACENT T/LOG RAFT HAUL OUT AREA
Sand C M F	Brown surface	Moderate	NO BIOLOGY
Silt/clay	Gray	Strong	3 GOOD OUT OF 10 PULLS
Organic matter	Black	Overwhelming	
LARGE Woody debris	Other:	H_2S	
Shell debris		Petroleum	

NXT 2 JS BRIDGE

Recorded By:_____

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Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:_____
Station:_____
Date:_____

Crew: JN, JB, GJ

Grab #:	Bottom depth:	Penetration Depth:	Time:
A3-05B (D)	8.8	3 cm	1328
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	LARGE WOOD DEBRIS
Gravel	Brown	Slight	EEL GRASS
Sand C M F	Brown surface	Moderate	3 OUT OF 8 GOOD PONS
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A3-05C	5.0	6 3X	1346
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	NO: WOOD
Gravel	Brown SOME	Slight	BIOLOGY
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A3-05B	6.8	3 3X	1404
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	NO BIOLOGY
Gravel	Brown SURFACE	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray LOWER	Strong	
Organic matter	Black	Overwhelming	
Woody debris THRU OUT	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A4-08B	9.0	5 2X	1433
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	NO WOOD DEBRIS
Gravel	Brown 1cm	Slight	A LOT OF EEL GRASS
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray SLOWER	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By:_____

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SAIC
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Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:_____
Station:_____
Date: 8/11/08
Crew: JN, JB, GV

Grab #: A4-09	Bottom depth: 6.0	Penetration Depth: 6 cm 2x	Time: 1445
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	NO WOOD
Gravel	Brown 1 cm	Slight	A LITTLE EEL GRASS
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black LOWER	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A4-10	Bottom depth: 6.8	Penetration Depth: 8 1x	Time: 1502
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	SOME FeO STREAKS
Gravel	Brown	Slight	NO WOOD DEBRIS
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A2-23	Bottom depth: 9.0	Penetration Depth: 5	Time: 1533
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	2/5 PULLS GOOD
Gravel	Brown	Slight	OTHERS RX
Sand C M F TRACE	Brown surface	Moderate	NO DEBRIS OR BIOLOGY
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A2-21	Bottom depth: 9.3	Penetration Depth: 9	Time: 1547
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	NO BIO
Gravel	Brown <1cm	Slight	SOME WOOD DEBRIS
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black LOWER	Overwhelming	
Woody debris SOME	Other:	H_2S	
Shell debris		Petroleum	

Recorded By: [signature]

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SAIC
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Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:_____
Station:_____
Date: 8/11/08

Crew: JN, JB, GV

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-18	6.7	9 1X	1600
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	EEL GRASS ON SURFACE
Gravel	Brown	Slight	NO BIOLOGY
Sand C M F	Brown surface	Moderate	A LITTLE WOOD DEBRIS
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris A LITTLE	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-16	7.3	9 1X	1612
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive GV	None	EEL GRASS ON SURFACE
Gravel	Brown	Slight	NO BIOLOGY
Sand C M F	Brown surface	Moderate	A LITTLE WOOD DEBRIS
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris ON MATS	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By:_____ **Page** ___ **of** ___

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Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:_____
Station:_____
Date: 8/12/08
Crew: WH CH JN MB

Grab #: A1-31B	Bottom depth: 0	Penetration Depth: 10 cm	Time: 0820
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	Intertidal sample, collected with a spoon
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A1-49	Bottom depth: 0	Penetration Depth: 10 cm	Time: 0906
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	Intertidal sample, collected w/ a spoon
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By:_____ **Page** ___ **of** ___

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Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 8/14/08
Crew: CR, GV, JSN

Grab #: A2-18B	Bottom depth:	Penetration Depth: 10 cm	Time: 1030
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	25-50% Woody debris
Gravel	Brown	Slight	soft, wet clayey silt w/
Sand C M F	Brown surface	Moderate	sand lenses. 25-50%
Silt/clay	Gray	Strong	woody debris
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A2-25B	Bottom depth:	Penetration Depth: 10 cm	Time: 1200
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	soft, wet, brownish
Gravel	Brown	Slight	gray silt w/ clay,
Sand C M F	Brown surface	Moderate	trace sand, 25%
Silt/clay	Gray	Strong	wood, abundant
Organic matter	Black	Overwhelming	polychaetes?
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By:

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Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:_____
Station:_____
Date: 8/15/08

Crew: CH, WA, MB, GV, JN, CR

Grab #: A1-50	Bottom depth: –	Penetration Depth: 10 cm	Time: 1115
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	loose, wet, brown to gray C-M sand w/ gravels
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A1-46B	Bottom depth: –	Penetration Depth: 10 cm	Time: 1150
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	loose, wet, C-M sand.
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By:_____

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SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:_____
Station:_____
Date: 10/6/08

Crew: JMN, LD, JB

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-21		15+ cm	12:14
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	4cm brown silt overlying black sed
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	- a few rocks
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-13		15+ cm	12:39
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- light brown over gray
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	- no organic matter or debris
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	- a few worms
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-07		10 cm	13:23
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	lots of eelgrass
Gravel	Brown	Slight	1 big rock
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-24	19.8	14 cm	13:43
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- few strand of eelgrass
Gravel	Brown	Slight	- large chucks of wood
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By:_____

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SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 10/6/08

Crew: JMN, ZD, JB

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-10	12.1	12.	14:11
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	thin layer (0.5 cm) brown overlying black
Gravel	Brown	Slight	small amount of wood (< 5%)
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-07		10 cm	14:33
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- lots of large and small wood
Gravel	Brown	Slight	- very smelly
Sand C M F	Brown surface	Moderate	- need to composite multiple samples to get enough sediment
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-03		14 cm	15:15
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	Large wood in Bottom of grab
Gravel	Brown	Slight	Small woody debris throughout
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A1-01		15+cm	15:32
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	- brown overlying black
Gravel	Brown	Slight	- cable caught in grab
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By:

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SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:_____
Station:_____
Date: 10/6/08

Crew: JMN, LD, JB

Grab #: A1-16	Bottom depth:	Penetration Depth: 13 cm	Time: 15:50
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	small amount of shell hash and woody debris
Gravel	Brown	Slight	some black streaks below 2cm
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A2-10	Bottom depth:	Penetration Depth: 11cm	Time: 16:22
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	small amount of little wood debris
Gravel	Brown	Slight	homogenous texture
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A2-11	Bottom depth:	Penetration Depth: 10 cm	Time: 16:40
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	-olive surface overlying Black sed
Gravel	Brown	Slight	-Small amount of wood
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A2-13	Bottom depth:	Penetration Depth: 15+ cm	Time: 17:00
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	-Brown over gray sediment
Gravel	Brown	Slight	-polycheates
Sand C M F	Brown surface	Moderate	-no debris
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By: JMN

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SAIC
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Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:_____
Station:_____
Date: 10/7/08

Crew: WA, LD, JSN, CE, TP

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-18	2.2m	+15 cm	1245
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	silty f. sand
Gravel	Brown	Slight H_2S	½ inch organic rich silt over silty f. sand.
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray olive over dark gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-25	2.0 m	+15 cm	1306
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive brown	None	fine: small wood debris pieces, sediment is "crumbly."
Gravel	Brown	Slight H_2S	silty f. sand
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray brownish @ depth	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-36	7.0 m	14-15 cm	1409
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	Abundant amphipod tubes on surface.
Gravel	Brown	Slight	~25cm gray med sand over layers reduced silt/clay
Sand C M F	Brown surface	Moderate	organic: woody debris/fibers.
Silt/clay	Gray Dark	Strong	
Organic matter	Black - reduced layers	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
A2-14	2.9 m	15+	1448
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive brown surface	None	Shore crab on surface
Gravel	Brown	Slight H_2S	Abundant woody debris on surface pine needle size
Sand C M F	Brown surface	Moderate	F. sandy silt, wood chunks also
Silt/clay	Gray dark olive	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By:_____

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SAIC
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Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event:
Station:
Date: 10/8/08

Crew: LD, CE, TP, WH, JSN

Grab #: ~~A4-08B~~	Bottom depth: ~~1.9m~~	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:*** ~~surface grass~~
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A4-08B	Bottom depth: 1.9m	Penetration Depth: 14 cm	Time: 1032
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive brown	None	surface grass, wood pieces
Gravel	Brown	Slight	on surface (branches, pieces)
Sand C M F	Brown surface	Moderate	pockets of orange oxilized sed.
Silt/clay	Gray, ish black at depth	Strong	f. sandy silt w/clay
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: 07B A3-	Bottom depth: 2.2m	Penetration Depth: 14-15 cm	Time: 1131
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive brown	None	silty f. sand, w/ clay
Gravel	Brown	Slight	organic fibers scattered
Sand C M F	Brown surface	Moderate	v. fine
Silt/clay	Gray dark over	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #: A3-05E	Bottom depth: 2.0m	Penetration Depth: 13cm	Time: 1205
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive gray	None	silty f. sand
Gravel	Brown olive	Slight	olive brown to olive
Sand C M F	Brown surface	Moderate	gray w/ depth,
Silt/clay	Gray	Strong	observed small polychaete
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

2

Recorded By:

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SAIC
An Employee-Owned Company

Surface Sediment Collection Form

Project: 2008 Port Gardner Sediment Investigation
Sampling Event: Phase 2
Station:
Date: 10/8/08
Crew: LD, WLt, JSW, CE, TP

Grab #: A3-06B	Bottom depth: 2.6m	Penetration Depth: 15+ cm	Time: 1224
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive brown	None	olive brown, soft, wet
Gravel	Brown	Slight	f. sandy silt
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray dark @ depth	Strong	
Organic matter	Black	Overwhelming	Trace small twigs at depth
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Grab #:	Bottom depth:	Penetration Depth:	Time:
Sediment type:	***Sediment color:***	***Sediment Odor:***	***Comments:***
Cobble	Drab olive	None	
Gravel	Brown	Slight	
Sand C M F	Brown surface	Moderate	
Silt/clay	Gray	Strong	
Organic matter	Black	Overwhelming	
Woody debris	Other:	H_2S	
Shell debris		Petroleum	

Recorded By:

Fish and Crab Tissue Collection Logbook

Port Gardner, Everett, Washington
August 8, 2008

Collected by

Science Applications International Corporation
18912 North Creek Parkway, Suite 101
Bothell, Washington 98011

Project Number: 01-023-00-6928-400

In Support of

Washington State Department of Ecology
Toxics Cleanup Program
300 Desmond Drive
Lacey, Washington 98504

SAIC From Science to Solutions

Port Gardner Tissue Collection - Whole Body Fish

Date 8/20/08 Time

Area PG-A2-T1-ES Replicate A Species Eng Sole

7 fish

	Total Length (mm)	Total Mass (g) pre/post blend	Total Mass for Composite
Fish 1	198	81/71	40
Fish 2	195	70/57	40
Fish 3	172	52/40	40
Fish 4	238	141/106	40
Fish 5	215	94/68	40
Fish 6	334	371/335	40
Fish 7	180	53/41	40
Fish 8			
Fish 9			
Fish 10			

Area PG-A2-T2-ES Replicate A Species Eng S.

5 fish

	Length (mm)	Total Mass (g)	Total Mass for Composite
Fish 1	320	310/270	126
Fish 2	287	218/184	126
Fish 3	375	407/350	126
Fish 4	265	165/126	126
Fish 5	375	485/427	126
Fish 6			
Fish 7			
Fish 8			
Fish 9			
Fish 10			

Area PG-A1-T3-ES Replicate A Species Eng. Sole

8 fish

	Length (mm)	Total Mass (g)	Total Mass for Composite
Fish 1	237	114/83g	34
Fish 2	217	84/63g	34
Fish 3	188	59/41g	34
Fish 4	178	54/44g	34
Fish 5	168	43/34g	34
Fish 6	181	56/40g	34
Fish 7	198	74/58g	34
Fish 8	202	77/63g	34
Fish 9			
Fish 10			

Processed by: Chris Hart

From Science to Solutions™

Area PG A2-T2-DC Replicate_____ Species Dungeness

	Width (mm)	Mass (g)	Mass Hepatopancreas	Mass Meat (Leg)	Body
Crab 1	124	253	12	35	19
Crab 2	121	unknown	28	25	29
Crab 3	JN ~~258~~ 125	281	13	27	27
Crab 4	130	273	8	30	54
Crab 5	118	238	19	26	26
Crab 6	118	202	12	28	32
Crab 7	114	219	10	31	29
Crab 8					
Crab 9					
Crab 10					

Area PG A2-T1-DC-A Replicate A Species Dungeness

	Width (mm)	Mass (g)	Mass Hepatopancreas (g)	Mass Meat Leg (g)	Body (g)
Crab 1	149	607	37	72	62
Crab 2	114	unknown	13	21	30
Crab 3	149	451	26	77	71
Crab 4	128	325	33	33	31
Crab 5	115	235	28	34	29
Crab 6					
Crab 7					
Crab 8					
Crab 9					
Crab 10					

Area PG-A1-T3-DC ~~A2-T3-DC~~ JN Replicate_____ Species Dungeness

	Width (mm)	Mass (g)	Mass Hepatopancreas (g)	Mass Meat Leg (g)	Body (g)
Female Crab 1	135	374	23	39	33
Crab 2	144	500	32	51	72
Crab 3	161	620	45	75	70
Crab 4	152	529	55	68	70
Crab 5	156	606	33	71	67
Crab 6					
Crab 7					
Crab 8					
Crab 9					
Crab 10					

Port Gardner Trawling

8/8/08

Site Location: PG-A2-T1

Collection Method: Otter trawl Vessel Name: R/V Kittiwake

Weather: Partly sunny, 65°F, winds 5-10 knots Personnel: MB, CH, JN, CR, CE, AG

FISH OR SHELLFISH COLLECTED

Species Name: English sole **Replicate Number:**

Composite Sample ID: Number of Individuals:

1st trawl
2nd
4th
6th
7th
Mixed

Count	Length (mm)	Weight (g)	Sex
1	336	343	
2	2 ~~343~~ 395	412	
3	213	90	
4	210	91	
5	368	382	
6	344	390	
7	207	89	
8	241	144	
9	217	88	
10	171	45	

Count	Length (mm)	Weight (g)	Sex
11	186	54	
12	171	44	
13	194	64	
14	178	56	
15	185	64	
16	186	57	
17	180	56	
18	166	43	
19	199	65	
20	179	51	

Comments:

Species Name: English Sole **Replicate Number:**

Composite Sample ID: Number of Individuals:

Count	Length (mm)	Weight (g)	Sex
21	162	34	
2			
3			
4			
5			
6			
7			
8			
9			
10			

Count	Length (mm)	Weight (g)	Sex
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Comments:

Data Recorder: JN

8/8/08

Site Location: PG-A2-T1

Collection Method: Otter Trawl Vessel Name: R/V Kittiwake

Weather: Partly cloudy Personnel: MB, CH, JN, CR, CE, AG

FISH OR SHELLFISH COLLECTED

Species Name: Dungeness Crab **Replicate Number:**

Composite Sample ID: Number of Individuals:

1st trawl → 2nd trawl → 3rd

Count	Length (mm)	Weight (g)	Sex
1	127	300	M
2	108	182	M
3	109	200	M
4	150	496	M
5	115	244	M
6	148	563	M
7	149	652	M
8	128	343	M
9	104	176	M
10	135	375	M

3rd → 4th → 5th → 6th → 7th

Count	Length (mm)	Weight (g)	Sex
11	100	160	M
12	108	191	M
13	113	233	M
14	110	221	M
15	115	225	M
16	119	290	M
17	135	365	M
18	120	275	M
19			
20			

Comments:

Species Name: **Replicate Number:**

Composite Sample ID: Number of Individuals:

Count	Length (mm)	Weight (g)	Sex
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Count	Length (mm)	Weight (g)	Sex
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Comments:

Data Recorder:

8/8/08

Site Location: PG-A2-T2

Collection Method: Otter trawl Vessel Name: R/V Kittiwake

Weather: 10-15 knots, P. sunny 65°F Personnel: CH, MB, CR, AG, CE, TN

FISH OR SHELLFISH COLLECTED

Species Name: English sole **Replicate Number:**

Composite Sample ID: Number of Individuals:

Count	Length (mm)	Weight (g)	Sex
1	350	410	
2	355	430	
3	330	290	
4	210	77	
5	256	136	
6	380	490	
7	375	430	
8	295	325	
9	320	~~377~~	277
10	320	275	

2nd Trawl

Count	Length (mm)	Weight (g)	Sex
11	270 ~~275~~	172	
12	225	90	
13	315	250	
14	295	230	
15	375	440	
16			
17			
18			
19			
20			

Comments:

blood worm

PG-A2-T2

Species Name: Dungeness Crab **Replicate Number:**

Composite Sample ID: Number of Individuals:

Count	Length (mm)	Weight (g)	Sex
1	145	530	M
2	141	470	M
3	135	432	M
4	130	375	M
5	140	421	M
6	141	475	M
7	130	354	M
8	130	326	M
9	140	468	M
10	132	385	M

Count	Length (mm)	Weight (g)	Sex
11	124	298	M
12	125	289	M
13	121	263	M
14	124	293	M
15	116	240	M
16	120	280	M
17	121	280	M
18	118	260	M
19	114	235	M
20	113	230	M
21	118	250	M

Comments:

Data Recorder:

8/8/08

Site Location: PG-A1-T3

Collection Method: Otter Trawl Vessel Name: R/V Kittiwake

Weather: Hazy sun, 68°F, winds 10kts. Personnel: CE, AG, CH, MB, CR, JN

FISH OR SHELLFISH COLLECTED

Species Name: English Sole **Replicate Number:**

Composite Sample ID: Number of Individuals:

2nd

Count	Length (mm)	Weight (g)	Sex
1	194	61	
2	147	115	
3	187	50	
4	162	35	
5	188	50	
6	182	35	
7	175	45	
8	172	35	
9	168	35	
10	158	30	

3rd

Count	Length (mm)	Weight (g)	Sex
11	210	170	
12	153	30	
13	158	30	
14	205	70	
15	175	40	
16	182	50	
17	156	25	
18	172	35	
19	194	50	
20	218	75	
21	177	45	
22	220	90	
23	188	55	
24	172	45	

5th

6th

Comments:

Species Name: Dungeness Crab **Replicate Number:**

Composite Sample ID: Number of Individuals:

1st

2nd

3rd

Count	Length (mm)	Weight (g)	Sex
1	137	405	M
2	121	265	M
3	157	630	M
4	146	490	M
5	152	580	M
6	153	580	M
7	150	460	M
8	165	~~[illegible]~~ 650	M
9	151	540	M
10	139	420	M

Count	Length (mm)	Weight (g)	Sex
11	156	610	M
12	165	650	M
13	141	410	M
14	147	540	M
15			
16			
17	134	380	F
18			
19			
20			

Keep

Comments:

Data Recorder: [signature]