APPENDIX B

FIELD SAMPLE DATA SHEETS

APPENDIX B

FIELD SAMPLE DATA SHEETS SCANS

B-1 Duff and Bark FSDS

B-2 Kootenai River FSDS

B-3 Logging FSDS

B-4 Sediment FSDS

B-5 Surface Water FSDS

APPENDIX B-1

DUFF AND BARK FIELD SAMPLE DATA SHEETS SCANS

LIBBY OU3 FIELD SAMPLE DATA SHEET
COMPOSITE DUFF SAMPLES

Composite Station ID: CL-A **Sampling Date:** August 7th, 2012
Field Logbook ID: Commercial Sampling ABS **Logbook Page No:** 2-3

				Tree diameter
CL-A1 **Tree 1:**	X coord: 115.40742°	Y coord: 48.44955°	Elev: 3311'	21.0 inch
CL-A2 **Tree 2:**	X coord: 115.40733°	Y coord: 48.44959°	Elev: NA	11.5 inch
CL-A3 **Tree 3:**	X coord: 115.40736°	Y coord: 48.44969°	Elev: 3321'	8.5 inch
CL-A4 **Tree 4:**	X coord: 115.40726°	Y coord: 48.44976°	Elev: 3326'	23.5 inch
CL-A5 **Tree 5:**	X coord: 115.40722°	Y coord: 48.44978°	Elev: 3319'	11.25 inch

GPS Coordinate System: JCK GCS_WGS_1984 ~~UTM Zone 11 North, NAD83 datum, meters~~ degrees (ft) (See BARK FSDS for Corrected Coordinates)
Sampling Team: MWH **Samplers Initials:** JCK, JDG, JMP

Index ID	CL-3-0001	Sampling Time: 1001 Sample Type: Field Sample Media : Duff	Sampling Method (if applicable): Grab or Composite # of Composites: 5 Sampling Depth: 0-6"
Index ID	AFFIX LABEL HERE JCK	Sampling Time: Sample Type Media : Duff	Sampling Method (if applicable): Grab or Composite # of Composites: Sampling Depth:

COMMENTS:	Calm, Cool Tree 21 inch diameter (see list above for other Trees)

Notes:
FS Field Sample
TB Trip Blank Sample
FB Field Blank Sample
SP Field Split Sample
MS Matrix Spike Sample
EB Equipment Decon Blank Sample
FD Field Duplicate Sample
MSD Matrix Spike Duplicate Sample
PE Performance Evaluation Sample

Field Data Recorded by:	JCK	Field Entries Checked by:	

Database Entry by:	Database QC by:

LIBBY OU3 FIELD SAMPLE DATA SHEET
COMPOSITE DUFF SAMPLES

Composite Station ID: CL-B **Sampling Date:** August 7th, 2012
Field Logbook ID: Commercial Sampling ABS **Logbook Page No:** 4-5

	Y state	X state		Tree diameter
Tree 1:	X coord: 5367606	Y coord: 0618562	Elev: 1049 m	15.75 inch
Tree 2:	X coord: 5367613	Y coord: 0618556	Elev: 1051 m	13.5 inch
Tree 3:	X coord: 5367615	Y coord: 0618567	Elev: 1052 m	15.0 inch
Tree 4:	X coord: 5367617	Y coord: 0618573	Elev: 1053 m	11.0 inch
Tree 5:	X coord: 5367606	Y coord: 0618575	Elev: NA	15.5 inch

GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
Sampling Team: MWH **Samplers Initials:** JCK, JDG, JMP

Index ID	CL-3-0003	Sampling Time: 1022 Sample Type: ~~Field Sample~~ Media : Duff	Sampling Method (if applicable): Grab or Composite # of Composites: 5 Sampling Depth: 0-6"
Index ID	CL-3-0005	Sampling Time: 1045 Sample Type Dup Media : Duff	Sampling Method (if applicable): Grab or Composite # of Composites: Sampling Depth:

COMMENTS:	Calm, Warm Tree diameter (See list above)

Notes:

FS Field Sample	**SP** Field Split Sample	**FD** Field Duplicate Sample
TB Trip Blank Sample	**MS** Matrix Spike Sample	**MSD** Matrix Spike Duplicate Sample
FB Field Blank Sample	**EB** Equipment Decon Blank Sample	**PE** Performance Evaluation Sample

Field Data Recorded by:	JCK	**Field Entries Checked by:**	

Database Entry by:	*Database QC by:*

LIBBY OU3 FIELD SAMPLE DATA SHEET
COMPOSITE DUFF SAMPLES

Composite Station ID: CL-C **Sampling Date:** August 7th, 2012
Field Logbook ID: Commercial Sampling ABS **Logbook Page No:** 6

	Y utm	X utm		Tree diameter
Tree 1:	X coord: 5367282	Y coord: 0618598	Elev: 1074 m	15 inch
Tree 2:	X coord: 5367279	Y coord: 0618597	Elev: 1074 m	12.5 inch
Tree 3:	X coord: 5367274	Y coord: 0618604	Elev: 1076 m	15.0 inch
Tree 4:	X coord: 5367274	Y coord: 0618603	Elev: 1075 m	11.0 inch
Tree 5:	X coord: 5367272	Y coord: 0618605	Elev: 1077 m	11.0 inch

GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
Sampling Team: MWH **Samplers Initials:** JCK, JDG, JMP

Index ID	CL-3-0007	Sampling Time: 1105 Sample Type: ~~Field Sample~~ Media : Duff	Sampling Method (if applicable): Grab or (Composite) # of Composites: 5 Sampling Depth: 0-6"
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type JCK Media : Duff	Sampling Method (if applicable): Grab or Composite # of Composites: Sampling Depth:

COMMENTS:	Calm, Warm

Notes:
FS Field Sample
TB Trip Blank Sample
FB Field Blank Sample
SP Field Split Sample
MS Matrix Spike Sample
EB Equipment Decon Blank Sample
FD Field Duplicate Sample
MSD Matrix Spike Duplicate Sample
PE Performance Evaluation Sample

Field Data Recorded by:	JCK	Field Entries Checked by:	

Database Entry by:	Database QC by:

LIBBY OU3 FIELD SAMPLE DATA SHEET
COMPOSITE DUFF SAMPLES

Composite Station ID: CL-D **Sampling Date:** August 7, 2012
Field Logbook ID: Commercial Sampling ABS **Logbook Page No:** 7

	Y JCK	X JCK		Tree diameter
Tree 1:	X coord: 5367245	Y coord: 0619035	Elev: 1089 m	11.0 inch
Tree 2:	X coord: 5367237	Y coord: 0619034	Elev: 1087 m	13.0 inch
Tree 3:	X coord: 5367236	Y coord: 0619030	Elev: 1087 m	12.5 inch
Tree 4:	X coord: 5367236	Y coord: 0619027	Elev: 1090 m	18.0 inch
Tree 5:	X coord: 5367227	Y coord: 0619035	Elev: 1087 m	17.0 inch

GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
Sampling Team: MWH **Samplers Initials:** JCK, JDG, JMP

Index ID	CL-3-0009	Sampling Time: 1125 Sample Type: Field Sample Media : Duff	Sampling Method (if applicable): Grab or Composite # of Composites: 5 Sampling Depth: 0-6"
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type JCK Media : Duff	Sampling Method (if applicable): Grab or Composite # of Composites: Sampling Depth:

COMMENTS:	Calm, Warm

Notes:
FS Field Sample
TB Trip Blank Sample
FB Field Blank Sample
SP Field Split Sample
MS Matrix Spike Sample
EB Equipment Decon Blank Sample
FD Field Duplicate Sample
MSD Matrix Spike Duplicate Sample
PE Performance Evaluation Sample

Field Data Recorded by:	JCK	Field Entries Checked by:	

Database Entry by:	Database QC by:

LIBBY OU3 FIELD SAMPLE DATA SHEET
COMPOSITE DUFF SAMPLES

Composite Station ID: CL-E **Sampling Date:** August 7th, 2012
Field Logbook ID: Commercial Sampling ABS **Logbook Page No:** 8-9

	Y	X just		Tree diameter
Tree 1:	X coord: 5366907	Y coord: 0619186	Elev: 1116 m	16.5 inch
Tree 2:	X coord: 5366898	Y coord: 0619178	Elev: 1111 m	17.5 inch
Tree 3:	X coord: 5366899	Y coord: 0619173	Elev: 1112 m	11.5 inch
Tree 4:	X coord: 5366906	Y coord: 0619170	Elev: 1111 m	13.5 inch
Tree 5:	X coord: 5366917	Y coord: 0619159	Elev: 1109 m	24.0 inch

GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
Sampling Team: MWH **Samplers Initials:** JCK, JDG, JMP

Index ID	CL-3-0011	Sampling Time: 1152 Sample Type: Field Sample Media : Duff	Sampling Method (if applicable): Grab or Composite # of Composites: 5 Sampling Depth: 0-6"
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type JCK Media : Duff	Sampling Method (if applicable): Grab or Composite # of Composites: Sampling Depth:

COMMENTS:	Hot, Calm

Notes:

FS Field Sample	**SP** Field Split Sample	**FD** Field Duplicate Sample
TB Trip Blank Sample	**MS** Matrix Spike Sample	**MSD** Matrix Spike Duplicate Sample
FB Field Blank Sample	**EB** Equipment Decon Blank Sample	**PE** Performance Evaluation Sample

Field Data Recorded by:	JCK	**Field Entries Checked by:**	

Database Entry by:	*Database QC by:*

LIBBY OU3 FIELD SAMPLE DATA SHEET
COMPOSITE BARK SAMPLES

Composite Station ID: CL-A **Sampling Date:** August 7, 2012
Field Logbook ID: Commercial Sampling ABS **Logbook Page No:** 2-3

***Tree 1*:** **X coord:** 0617761.7 **Y coord:** ~~"See Duff Sheet~~ 5367492.8 ~~& Field Book~~ 'JCK **Elev:**

***Tree 2*:** **X coord:** 0617768.3 **Y coord:** 5367497.3 **Elev:**

***Tree 3*:** **X coord:** 0617765.8 **Y coord:** 5367508.4 **Elev:**

***Tree 4*:** **X coord:** 0617773.1 **Y coord:** 5367516.3 **Elev:**

***Tree 5*:** **X coord:** 0617775.9 **Y coord:** 5367518.6 **Elev:**

GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters = "Converted from Duff FSDS"
Sampling Team: MWH **Samplers Initials:** JCK, JDG, JMP

Index ID	CL-3-0002	**Sampling Time:** 1001 **Sample Type:** Field Sample **Media :** Bark	**Sampling Method (if applicable):** **Grab or Composite** **# of Composites:** 5 **Sampling Depth:** BARK
Index ID	AFFIX LABEL HERE JCK	**Sampling Time:** **Sample Type** **Media :** Bark	**Sampling Method (if applicable):** **Grab or Composite** **# of Composites:** **Sampling Depth:**

COMMENTS:	Calm, Cool Tree 1 21' diameter / see Duff sheet for others

Notes:

FS Field Sample
TB Trip Blank Sample
FB Field Blank Sample
SP Field Split Sample
MS Matrix Spike Sample
EB Equipment Decon Blank Sample
FD Field Duplicate Sample
MSD Matrix Spike Duplicate Sample
PE Performance Evaluation Sample

Field Data Recorded by:	JCK	**Field Entries Checked by:**	

Database Entry by:	*Database QC by:*

LIBBY OU3 FIELD SAMPLE DATA SHEET
COMPOSITE BARK SAMPLES

Composite Station ID: CL-B **Sampling Date:** August 7th, 2012
Field Logbook ID: Commercial Sampling ABS **Logbook Page No:** 4-5

***Tree 1*:** **X coord:** _____ **Y coord:** See Duff FSDS for Coordinates **Elev:** _____

***Tree 2*:** **X coord:** _____ **Y coord:** _____ **Elev:** _____

***Tree 3*:** **X coord:** _____ **Y coord:** _____ **Elev:** _____

***Tree 4*:** **X coord:** _____ **Y coord:** _____ **Elev:** _____

***Tree 5*:** **X coord:** _____ **Y coord:** _____ **Elev:** _____

GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
Sampling Team: MWH **Samplers Initials:** JCK, JDG, JMP

Index ID	CL-3-0004	Sampling Time: 1022 Sample Type: ~~Field Sample~~ Media : Bark	Sampling Method (if applicable): Grab or Composite # of Composites: 5 Sampling Depth: BARK
Index ID	CL-3-0006	Sampling Time: 1045 Sample Type Dup Media : Bark	Sampling Method (if applicable): Grab or Composite # of Composites: Sampling Depth:

COMMENTS:	Calm, Warm ~~Tree~~ JCK

Notes:

FS Field Sample	**SP** Field Split Sample	**FD** Field Duplicate Sample
TB Trip Blank Sample	**MS** Matrix Spike Sample	**MSD** Matrix Spike Duplicate Sample
FB Field Blank Sample	**EB** Equipment Decon Blank Sample	**PE** Performance Evaluation Sample

Field Data Recorded by:	JCK	**Field Entries Checked by:**	

Database Entry by:	*Database QC by:*

LIBBY OU3 FIELD SAMPLE DATA SHEET
COMPOSITE BARK SAMPLES

Composite Station ID: CL-C **Sampling Date:** August 7th, 2012
Field Logbook ID: Commercial Sampling ABS **Logbook Page No:** 6

***Tree 1*:** **X coord:** _____ **Y coord:** See Duff FSDS for Coordinates **Elev:** _____

***Tree 2*:** **X coord:** _____ **Y coord:** _____ **Elev:** _____

***Tree 3*:** **X coord:** _____ **Y coord:** JCK **Elev:** _____

***Tree 4*:** **X coord:** _____ **Y coord:** _____ **Elev:** _____

***Tree 5*:** **X coord:** _____ **Y coord:** _____ **Elev:** _____

GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
Sampling Team: MWH **Samplers Initials:** JCK, JDG, JMP

Index ID	CL-3-0008	Sampling Time: 1105 Sample Type: Field Sample Media : Bark	Sampling Method (if applicable): Grab or Composite # of Composites: 5 Sampling Depth: Bark
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type JCK Media : Bark	Sampling Method (if applicable): Grab or Composite # of Composites: Sampling Depth:

COMMENTS:	Calm, Warm

Notes:
FS Field Sample
TB Trip Blank Sample
FB Field Blank Sample
SP Field Split Sample
MS Matrix Spike Sample
EB Equipment Decon Blank Sample
FD Field Duplicate Sample
MSD Matrix Spike Duplicate Sample
PE Performance Evaluation Sample

Field Data Recorded by:	JCK	**Field Entries Checked by:**	

Database Entry by:	*Database QC by:*

LIBBY OU3 FIELD SAMPLE DATA SHEET
COMPOSITE BARK SAMPLES

Composite Station ID: CL-D **Sampling Date:** August 7, 2012
Field Logbook ID: Commercial Sampling ABS **Logbook Page No:** 7

***Tree 1*:** **X coord:** _____ **Y coord:** See Duff FSDS **Elev:** _____

***Tree 2*:** **X coord:** _____ **Y coord:** for Coordinates **Elev:** _____

***Tree 3*:** **X coord:** _____ **Y coord:** JCK **Elev:** _____

***Tree 4*:** **X coord:** _____ **Y coord:** _____ **Elev:** _____

***Tree 5*:** **X coord:** _____ **Y coord:** _____ **Elev:** _____

GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
Sampling Team: MWH **Samplers Initials:** JCK, JDG, JMP

Index ID	CL3-0010	Sampling Time: 1125 Sample Type: Field Sample Media : Bark	Sampling Method (if applicable): Grab or Composite # of Composites: 5 Sampling Depth: BARK
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type JCK Media : Bark	Sampling Method (if applicable): Grab or Composite # of Composites: Sampling Depth:

COMMENTS:	Calm, Warm

Notes:

FS Field Sample	**SP** Field Split Sample	**FD** Field Duplicate Sample
TB Trip Blank Sample	**MS** Matrix Spike Sample	**MSD** Matrix Spike Duplicate Sample
FB Field Blank Sample	**EB** Equipment Decon Blank Sample	**PE** Performance Evaluation Sample

Field Data Recorded by:	JCK	**Field Entries Checked by:**	

Database Entry by:	*Database QC by:*

LIBBY OU3 FIELD SAMPLE DATA SHEET
COMPOSITE BARK SAMPLES

Composite Station ID: CL-E **Sampling Date:** August 7th, 2012
Field Logbook ID: Commercial Sampling ABS **Logbook Page No:** 8-9

***Tree 1*:** **X coord:** _____ **Y coord:** See Duff FSDS for Coordinates **Elev:** _____

***Tree 2*:** **X coord:** _____ **Y coord:** _____ **Elev:** _____

***Tree 3*:** **X coord:** _____ **Y coord:** JLK **Elev:** _____

***Tree 4*:** **X coord:** _____ **Y coord:** _____ **Elev:** _____

***Tree 5*:** **X coord:** _____ **Y coord:** _____ **Elev:** _____

GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
Sampling Team: MWH **Samplers Initials:** JLK, JDG, JMP

Index ID	CL-3-0012	Sampling Time: 1152 Sample Type: Field Sample Media : Bark	Sampling Method (if applicable): Grab or Composite # of Composites: 5 Sampling Depth: BARK
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type JLK Media : Bark	Sampling Method (if applicable): Grab or Composite # of Composites: Sampling Depth:

COMMENTS:	Hot, calm

Notes:

FS Field Sample
TB Trip Blank Sample
FB Field Blank Sample
SP Field Split Sample
MS Matrix Spike Sample
EB Equipment Decon Blank Sample
FD Field Duplicate Sample
MSD Matrix Spike Duplicate Sample
PE Performance Evaluation Sample

Field Data Recorded by:	JK	**Field Entries Checked by:**	

Database Entry by:	*Database QC by:*

APPENDIX B-2

KOOTENAI RIVER SAMPLING FIELD SAMPLE DATA SHEETS SCANS

FSDS Rev0

Sheet No.: P5-1

LIBBY OU3 FIELD SAMPLE DATA SHEET
ACTIVITY-BASED SAMPLING (ABS) PERSONAL AIR MONITORING

ABS Area: KR-20 Sampling Date: 9-19-12 Sampling Team: Chapman MWH Field Logbook: Libby 2012 Kootenai Phase V Pgs: 33

	High Volume	Low Volume	Activity
Jeremy Person 1	P5-10097	P5-10098	☒ Recreation Island / Fishing
Rod Person 2	P5-10099	P5-10100	☒ Recreation Island / Fishing
	~~AFFIX LABEL HERE~~ JCK	AFFIX LABEL HERE	☐ Recreation
	AFFIX LABEL HERE JCK	AFFIX LABEL HERE	☐ Recreation

	Activity Time (hh:mm)		High Volume Flow Rate (LPM)		Low Volume Flow Rate (LPM)	
	Start	Stop	Start	Stop	Start	Stop
Person 1	1405	1505	4.00	4.09	2.00	2.02
Person 2	1405	1505	3.98	4.05	2.00	2.03

P5-10096

VOLUME CALCULATION *(Note: use primary (true) equivalent flow rate for volume calculation)*

Participant	High Volume	Low Volume
Person 1	Ave. Flow Rate = 4.045 LPM x 60 Min. = 242.7 L	Ave. Flow Rate = 2.01 LPM x 60 Min. = 120.6 L
Person 2	Ave. Flow Rate = 4.015 LPM x 60 Min. = 240.9 L	Ave. Flow Rate = 2.015 LPM x 60 Min. = 120.9 L
	Ave. Flow Rate = _____ LPM x _____ Min. = _____ L	Ave. Flow Rate = _____ LPM x _____ Min. = _____ L
	Ave. Flow Rate = _____ LPM x _____ Min. = _____ L	Ave. Flow Rate = _____ LPM x _____ Min. = _____ L

GPS Location X: 48.41668° Y: 115.46557 DOCK LOCATION OF BOAT

Field Comments Clear WARM

Primary/Rotameter Rate (LPM): Before: _____ / NA End: NA / _____ Drycal primary Calibrator

Wind Direction: CALM Wind Speed: 0 MPH

Field Data Entered by:	JCK	Field Entries Checked by:	

Database Entry:	Database QC:

APPENDIX B-3

LOGGING FIELD SAMPLE DATA SHEETS SCANS

FELLING

FSDS Rev0

Sheet No.: CL-1

LIBBY OU3 FIELD SAMPLE DATA SHEET
ACTIVITY-BASED SAMPLING (ABS) AIR MONITORING

Logging ABS

ABS Area: ~~Tree-E~~ Sampling Date: 9/4/12 Sampling Team: A Field Logbook: Comm. Strip ABS Pgs: 14-18

Tree E 1-3 D loc

2-Hr. Interval	High Volume	Low Volume	Activity
0936 1st 1136	CL-30050	CL-30051	☑ Hand-Felling ☐ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ Site Restoration ☐ Stationary
1140 2nd 1340	CL-30053	CL-30054	☑ Hand-Felling ☐ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ Site Restoration ☐ Stationary
1356 3rd 1456	CL-30055	CL-30056	☑ Hand-Felling ☐ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ Site Restoration ☐ Stationary
4th	JCK AFFIX LABEL HERE	AFFIX LABEL HERE JK	☐ Hand-Felling ☐ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ Site Restoration ☐ Stationary

2-Hr. Interval	Activity Time (hh:mm)		High Volume Flow Rate (LPM)		Low Volume Flow Rate (LPM)	
	Start	Stop	Start	Stop	Start	Stop
120 min 1st	0936	1136	4.01	4.07	2.01	2.08
120 min 2nd	1140	1340	4.00	4.00	2.01	2.05
60 min 3rd	1356	1456	4.00	4.01	2.05	2.01
4th						JCK

CL-30052
FIELD BLANK

PUMPS WORN ON SAWYER ONLY.

VOLUME CALCULATION *(Note: use primary (true) equivalent flow rate for volume calculation)*

2-Hr. Interval	High Volume	Low Volume
1st	Ave. Flow Rate = 4.04 LPM x 120 Min. = 484.8 L	Ave. Flow Rate = 2.045 LPM x 120 Min. = 245.4 L
2nd	Ave. Flow Rate = 4.00 LPM x 120 Min. = 480 L	Ave. Flow Rate = 2.03 LPM x 120 Min. = 243.6 L
3rd	Ave. Flow Rate = 4.005 LPM x 60 Min. = 240.3 L	Ave. Flow Rate = 2.03 LPM x 60 Min. = 121.8 L
~~4th~~	~~Ave. Flow Rate = LPM x Min. = L~~	~~Ave. Flow Rate = LPM x Min. = L~~ JCK

GPS Location X: Y: Numbers - SEE LOG BOOK FOR GEN. AREAS

Field Comments

Primary/~~Rotameter~~ Rate (LPM): Before: NA End: NA ALL CALIBRATION BY DRYCAL PRIMARY CALIBRATOR

Wind Direction: CALM Wind Speed: 0 MPH

Field Data Entered by:	JCK	Field Entries Checked by:	JDG

Database Entry:		Database QC:

FSDS Rev0

SKIDDING

Sheet No.: CL-2

LIBBY OU3 FIELD SAMPLE DATA SHEET
ACTIVITY-BASED SAMPLING (ABS) AIR MONITORING

ABS Area: COMM. LOG Sampling Date: (START) 9-05-12 Sampling Team: CHAPMAN Field Logbook: COMM LOG SAMP. ABS Pgs: 19-21

2-Hr. Interval	High Volume	Low Volume	Activity
0810 1st 1010	CL-30057	CL-30058	☐ Hand-Felling ☑ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ Site Restoration ☐ Stationary
1025 2nd 1225	CL-30060	CL-30061	☐ Hand-Felling ☑ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ Site Restoration ☐ Stationary
9-05-12 1240 RESUME 1347 HRS 3rd 1534 HRS	ABORT 1253 HRS - MECHANICAL PROBLEM. WILL RESUME AT 13 MINS WITH THESE CASSETTES CL-30062 RESUME AT 1347 HRS, 9-05-12	CL-30063	☐ Hand-Felling ☑ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ Site Restoration ☐ Stationary
1-05-12 1540 HRS 4th 1725 HRS	CL-30064	CL-30065	☐ Hand-Felling ☑ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ Site Restoration ☐ Stationary

2-Hr. Interval	Activity Time (hh:mm)		High Volume Flow Rate (LPM)		Low Volume Flow Rate (LPM)	
	Start	Stop	Start	Stop	Start	Stop
1st	0810	1010	4.01	4.02	2.00	2.03
2nd	1025	1225	4.00	4.10	2.00	2.05
3rd	1240*	1534	4.00	3.93	2.01	2.00
4th	1540	1725	4.00	3.96	2.00	2.00

CL-30059
FIELD BLANK

SKIDDER OPERATOR WEARING BOTH PUMPS.

* INTERRUPTED AT 13 MINS - HYDRAULIC SEAL - RESUMED AT 1347 HRS, WILL STOP @ 1534 HRS, 120 MIN, TOTAL

VOLUME CALCULATION *(Note: use primary (true) equivalent flow rate for volume calculation)*

2-Hr. Interval	High Volume	Low Volume
1st	Ave. Flow Rate = 4.015 LPM x 120 Min. = 481.8 L	Ave. Flow Rate = 2.015 LPM x 120 Min. = 241.8 L
2nd	Ave. Flow Rate = 4.05 LPM x 120 Min. = 486 L	Ave. Flow Rate = 2.025 LPM x 120 Min. = 243 L
3rd	Ave. Flow Rate = 3.96 LPM x 120 Min. = 475.2 L	Ave. Flow Rate = 2.005 LPM x 120 Min. = 240.6 L
4th	Ave. Flow Rate = 3.98 LPM x 105 Min. = 417.9 L	Ave. Flow Rate = 2.0 LPM x 105 Min. = 210 L

GPS Location X: NA Y: NA (AT LANDING) 0618379 E 5367601 N

Field Comments

~~Primary/Rotameter Rate (LPM): Before: ___/___ End: ___/___~~ ALL CALIBRATION BY DRYCAL PRIMARY CALIBRATOR

Wind Direction: CALM Wind Speed: 0 MPH

Field Data Entered by:	JDG	Field Entries Checked by:	JK

Database Entry:		Database QC:

FSDS Rev0

Sheet No.: CL- 3

SKIDDING/ Delimbing

LIBBY OU3 FIELD SAMPLE DATA SHEET
ACTIVITY-BASED SAMPLING (ABS) AIR MONITORING

ABS Area: Comm log Sampling Date: 9-6-12 Sampling Team: Chapman Field Logbook: Comm. Log Samp ABS Pgs: 22-~~25~~ 23 JCK

2-Hr. Interval	High Volume	Low Volume	Activity
1100 ~~5th~~ 1305 (Skid)	CL-30066	CL-30067	☐ Hand-Felling ☑ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ Site Restoration ☐ Stationary
1325 2nd 1525 (Process Delimb)	CL-30069	CL-30070	☐ Hand-Felling ☐ Skidding/Hooking of Timber ☒ Mechanical Processing ☐ Site Restoration ☐ Stationary
3rd	~~AFFIX LABEL HERE~~	~~AFFIX LABEL HERE~~	☐ Hand-Felling ☐ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ Site Restoration ☐ Stationary
4th	~~AFFIX LABEL HERE~~ JCK	~~AFFIX LABEL HERE~~	☐ Hand-Felling ☐ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ Site Restoration ☐ Stationary

2-Hr. Interval	Activity Time (hh:mm)		High Volume Flow Rate (LPM)		Low Volume Flow Rate (LPM)	
	Start	Stop	Start	Stop	Start	Stop
1st	1100	1305	4.00	4.06	2.00	2.02
2nd	1325	1525	4.00	4.01	2.00	2.04
~~3rd~~						
~~4th~~						JCK

CL-30068
FIELD BLANK

ONLY SKIDDER OPERATOR WEARS PUMPS & CASSETTES

VOLUME CALCULATION *(Note: use primary (true) equivalent flow rate for volume calculation)*

2-Hr. Interval	High Volume	Low Volume
1st	Ave. Flow Rate = 4.03 LPM x 125 Min. = 503.75 L	Ave. Flow Rate = 2.01 LPM x 125 Min. = 251.25 L
2nd	Ave. Flow Rate = 4.005 LPM x ~~125~~ 120 JCK Min. = 480.6 L	Ave. Flow Rate = 2.02 LPM x 120 Min. = 242.4 L
3rd	Ave. Flow Rate = ~~LPM x Min. =~~ L	Ave. Flow Rate = ~~LPM x Min. =~~ L JCK
4th	Ave. Flow Rate = ~~LPM x Min. =~~ L	Ave. Flow Rate = ~~LPM x Min. =~~ L

GPS Location X: NA Y: NA AT LANDING
E: 0618379 N: 5367601 - LANDING COORDS. NAD 83 UTM.

Field Comments

Primary/Rotameter Rate (LPM): Before: — End: — ALL calibration by Dryeal Primary Calibrator

Wind Direction: CALM Wind Speed: 0 MPH

Field Data Entered by:	JCK	Field Entries Checked by:	JDL

Database Entry:		Database QC:

FSDS Rev0

Sheet No.: CL-4

Chipping

LIBBY OU3 FIELD SAMPLE DATA SHEET
ACTIVITY-BASED SAMPLING (ABS) AIR MONITORING

ABS Area: Comm. log Sampling Date: 9-10-12 Sampling Team: Chapman Crew Field Logbook: Comm log Samp ABS Pgs: 26 -

Time	2-Hr. Interval	JCK LOW ~~High~~ Volume	JCK HIGH ~~Low~~ Volume	Activity
1005 / 1102	10 Ft 1st Near	CL-30076	CL-30077	☐ Hand-Felling ☐ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ Site Restoration ☒ Stationary chipping
1005 / 1102	30 Ft ~~2nd~~ 1st FAR	CL-30078	CL-30079	☐ Hand-Felling ☐ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ Site Restoration ☒ Stationary chipping
	3rd	AFFIX LABEL HERE JCK	AFFIX LABEL HERE	☐ Hand-Felling ☐ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ Site Restoration ☐ Stationary
	4th	AFFIX LABEL HERE JCK	AFFIX LABEL HERE	☐ Hand-Felling ☐ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ Site Restoration ☐ Stationary

2-Hr. Interval	Activity Time (hh:mm)		High Volume Flow Rate (LPM)		Low Volume Flow Rate (LPM)	
	Start	Stop	Start	Stop	Start	Stop
Near 1st	1005	1102	4.01	3.97	2.00	2.02
FAR 2nd	1005	1102	4.01	4.02	2.00	2.01
3rd						JCK
4th						JCK

CL-30073

FIELD BLANK

VOLUME CALCULATION *(Note: use primary (true) equivalent flow rate for volume calculation)*

2-Hr. Interval	High Volume	Low Volume
1st	Ave. Flow Rate = 3.99 LPM x 57 Min. = 227.4 L	Ave. Flow Rate = 2.01 LPM x 57 Min. = 145.6 L
2nd	Ave. Flow Rate = 4.015 LPM x 57 Min. = 228.9 L	Ave. Flow Rate = 2.005 LPM x 57 Min. = 114.3 L
3rd	Ave. Flow Rate = ~~LPM x Min. =~~ L	Ave. Flow Rate = ~~LPM x Min. =~~ L JCK
4th	Ave. Flow Rate = ~~LPM x Min. =~~ L	Ave. Flow Rate = ~~LPM x Min. =~~ L JCK

GPS Location X: 0618379 Y: 5367601 NAD83 UTM @ LANDING

Field Comments Wind average 1 Gusts up to 6mph

Primary/Rotameter Rate (LPM): Before: ~~/~~ End: ~~/~~ DRYCAL (Primary Calibrator)

Wind Direction: FROM WEST Wind Speed: 1-6 MPH

Field Data Entered by:	JCK	Field Entries Checked by:	JCK

Database Entry:		Database QC:

FSDS Rev0

Sheet No.: CL- 5

Site Restoration

LIBBY OU3 FIELD SAMPLE DATA SHEET
ACTIVITY-BASED SAMPLING (ABS) AIR MONITORING

ABS Area: Comm log Sampling Date: 9-10-12 Sampling Team: Chapman Crew Field Logbook: Comm log SAMP ABS Pgs: _____

2-Hr. Interval	High Volume	Low Volume	Activity
1350 1st Interval 1450 Dozer Operator	CL-30080	CL-30081	☐ Hand-Felling ☐ Skidding/Hooking of Timber ☐ Mechanical Processing ☒ Site Restoration ☐ Stationary
1350 2nd Interval 1450 Helper	CL-30082	CL-30083	☐ Hand-Felling ☐ Skidding/Hooking of Timber ☐ Mechanical Processing ☒ Site Restoration ☐ Stationary
3rd	AFFIX LABEL HERE	JCK ~~AFFIX LABEL HERE~~	☐ Hand-Felling ☐ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ ~~Site Restoration~~ ☐ Stationary
4th	AFFIX LABEL HERE	JCK ~~AFFIX LABEL HERE~~	☐ Hand-Felling ☐ Skidding/Hooking of Timber ☐ Mechanical Processing ☐ ~~Site Restoration~~ ☐ Stationary

2-Hr. Interval	Activity Time (hh:mm)		High Volume Flow Rate (LPM)		Low Volume Flow Rate (LPM)	
	Start	Stop	Start	Stop	Start	Stop
Dozer 1st	1350	1450	4.00	3.99	2.01	1.99
Helper 2nd	1350	1450	4.00	3.94	2.01	1.99
3rd				JCK		
4th						

FIELD BLANK
AFFIX LABEL HERE

VOLUME CALCULATION *(Note: use primary (true) equivalent flow rate for volume calculation)*

2-Hr. Interval	High Volume	Low Volume
1st	Ave. Flow Rate = 3.995 LPM x 60 Min. = 239.7 L	Ave. Flow Rate = 2.0 LPM x 60 Min. = 120 L
2nd	Ave. Flow Rate = 3.97 LPM x 60 Min. = 238.2 L	Ave. Flow Rate = 2.0 LPM x 60 Min. = 120 L
3rd	Ave. Flow Rate = ~~_____ LPM x _____ Min. = _____ L~~ JCK	Ave. Flow Rate = ~~_____ LPM x _____ Min. = _____ L~~ JCK
4th	Ave. Flow Rate = ~~_____ LPM x _____ Min. = _____ L~~	Ave. Flow Rate = ~~_____ LPM x _____ Min. = _____ L~~

GPS Location X: 0618379 Y: 5307601 @ LANDING

Field Comments Wind Calm @ Ground level - Clouds moving west

Primary/Rotameter Rate (LPM): Before: JCK / _____ End: JCK / _____ Used DRYCAL (Primary Calibrator)

Wind Direction: West Wind Speed: 0 MPH

Field Data Entered by:	JCK	Field Entries Checked by:	

Database Entry:		Database QC:

APPENDIX B-4

SEDIMENT FIELD SAMPLE DATA SHEETS SCANS

Sheet No.: SWS- _____
SED- 1

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR21 **Sampling Date:** 9-19-12
Field Logbook ID: Libby 2012 Kootenai **Logbook Page No:** 27-29
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** Multiple **Northing:** See Comments **Elev:** ——
Sampling Team: MWH **Samplers Initials:** JCK, JDR, Chapman Crew **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10084	Sampling Time: 0950 Sample Type: (FS) FD FB ER Parent ID: Media : (Sediment) Surface Water	Sampling Method (if applicable): Grab or (Composite) # of Composites: 30 VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

All 30 Composite GPS Locations taken in Log Book
Clear, Calm ≈ 60°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- _____
SED- 2

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-20 **Sampling Date:** 9-19-12
Field Logbook ID: Libby 2012 Kootenai Phase V **Logbook Page No:** 31
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115.46557 **Northing:** 48.41668 **Elev:** NA 692'
Sampling Team: MWH **Samplers Initials:** SCK, JDG, Chapman Crew **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10094	Sampling Time: 1250 Sample Type: FS FD FB ER Parent ID: _____ Media : (Sediment) Surface Water	Sampling Method (if applicable): Grab or (Composite) # of Composites: 30 VV Present: ____ Absent: ____ Sampling Depth: Top (in) ____ Bot (in) ____
Index ID	P5-10095	Sampling Time: ~~1145~~ 1345 SK 9-20-12 Sample Type: FS FD FB ER Parent ID: P5-10094 Media : (Sediment) Surface Water	Sampling Method (if applicable): Grab or (Composite) # of Composites: 36 VV Present: ____ Absent: ____ Sampling Depth: Top (in) ____ Bot (in) ____
Index ID	SCK AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: ____ Absent: ____ Sampling Depth: Top (in) ____ Bot (in) ____
Index ID	SCK AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: ____ Absent: ____ Sampling Depth: Top (in) ____ Bot (in) ____

COMMENTS

	Clear, calm 750

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JCK	**Field Entries Checked by:**	JDG

Database Entry:	*Database QC:*

Sheet No.: SWS- ____
SED- 3

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: LK-1 **Sampling Date:** 9-19-12
Field Logbook ID: Libby 2012 Kootenai Phase V **Logbook Page No:** 35-36
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115.30224 **Northing:** 48.47934 **Elev:** 749 m
Sampling Team: MWH **Samplers Initials:** SCK, SDG (HDR Sean) **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10106	Sampling Time: 1725 Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: 30 VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Clear, slight Breeze, 70°
- Was told by Rod Brossan, this area (beach) was imported in.
- Location, not the same as on figure 3.2 of 2012 Sampling Plan.

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:		Field Entries Checked by:	

Database Entry:		Database QC:

Sheet No.: SWS- _____
SED- 4

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: LK-2 **Sampling Date:** 9-19-12
Field Logbook ID: Libby 2012 Kootenai Phase V **Logbook Page No:** 36
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115.27082 **Northing:** 48.48301 **Elev:** —
Sampling Team: MWH **Samplers Initials:** JCK, JDG, Sean w/HDR **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10107	Sampling Time: 1835 Sample Type: (FS) FD FB ER Parent ID: _____ Media : (Sediment) Surface Water	Sampling Method (if applicable): (Grab) or Composite # of Composites: 30 VV Present: ____ Absent: ____ Sampling Depth: Top (in) ____ Bot (in) ____
Index ID	JCK AFFIX LABEL HERE	Sampling Time: _____ Sample Type: ~~FS FD FB ER~~ Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: ____ Absent: ____ Sampling Depth: Top (in) ____ Bot (in) ____
Index ID	JCK AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: ____ Absent: ____ Sampling Depth: Top (in) ____ Bot (in) ____
Index ID	JCK AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: ____ Absent: ____ Sampling Depth: Top (in) ____ Bot (in) ____

COMMENTS

Koocanusa Marina Boat Launch
- Sediment of silt and sand

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	JDG

Database Entry:		Database QC:

APPENDIX B-5

SURFACE WATER SAMPLE DATA SHEETS SCANS

Sheet No.: SWS- 01
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-4 **Sampling Date:** 04-25-12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 4
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115° 27.821' **Northing:** 48° 25.030' **Elev:** 2,012'
Sampling Team: MWH **Samplers Initials:** KB, JB, JK **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10001	Sampling Time: ~~0800~~ KB 0840 Sample Type: FS FD (FB) ER Parent ID: — Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10002	Sampling Time: 0850 Sample Type: (FS) FD FB ER Parent ID: — Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10003	Sampling Time: 0800 Sample Type: FS (FD) FB ER Parent ID: P5-10002 Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Sunny, ~50°F, calm

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	KB	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 62
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-1 **Sampling Date:** 04-25-12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 4
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115° 27.542' **Northing:** 48° 24.812' **Elev:** 2,035'
Sampling Team: MWH **Samplers Initials:** KB, JG, JK **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10004	Sampling Time: 0915 Sample Type: FS FD FB ER Parent ID: — Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Sunny, 50°F, calm

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	KB	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 03
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: UKR-0 **Sampling Date:** 04-25-12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 4
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** ~~42°~~ KB 115°27.476' **Northing:** 48°24.546' **Elev:** 2065'
Sampling Team: MWH **Samplers Initials:** KB, JG, JK **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10005	Sampling Time: 09:40 Sample Type: FS FD FB ER Parent ID: — Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Sunny, 55°F, calm

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	KB	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 04
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: LRC-06 **Sampling Date:** 04-25-12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 5
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115°27.378' **Northing:** 48°24.692' **Elev:** 2,133'
Sampling Team: MWH **Samplers Initials:** KB, JK, JD **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10006	Sampling Time: 1000 Sample Type: FS FD FB ER Parent ID: — Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Sunny, 55°F, light breeze
Flume over-flowing

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	KB	Field Entries Checked by:	[illegible]

Database Entry:		Database QC:

Sheet No.: SWS- 05
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-4 **Sampling Date:** 5/2/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 6
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** —
Sampling Team: MWH **Samplers Initials:** JCK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10007	Sampling Time: 0820 Sample Type: FS FD (FB) ER Parent ID: — Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10008	Sampling Time: 0905 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10009	Sampling Time: (0755) Sample Type: FS (FD) FB ER Parent ID: P5-10008 Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JCK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast ~45°F, slight Breeze

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JK	Field Entries Checked by:	MC

Database Entry:	Database QC:

Sheet No.: SWS- 06
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-1 **Sampling Date:** 5/2/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 6
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** —
Sampling Team: MWH **Samplers Initials:** JCK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10010	Sampling Time: 0933 Sample Type: (FS) FD FB ER Parent ID: — Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

partly cloudy, 41°, calm

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	MC

Database Entry:		Database QC:

Sheet No.: SWS- 07
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: UKR-0 **Sampling Date:** 5/2/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 6
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** —
Sampling Team: MWH **Samplers Initials:** JCK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10011	Sampling Time: 0948 Sample Type: FS FD FB ER Parent ID: — Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Sunny, ~43°, calm

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	MC

Database Entry:		Database QC:

Sheet No.: SWS- 08
SED- _____

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: LRC-6 **Sampling Date:** 5/2/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 7
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** – **Northing:** – **Elev:** –
Sampling Team: MWH **Samplers Initials:** JLK, MC **Filter Lot:** –

SAMPLE COLLECTION

Index ID	P5-10012	Sampling Time: 1007 Sample Type: (FS) FD FB ER Parent ID: – Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites:_____ VV Present:_____Absent:_____ Sampling Depth: Top (in)_____ Bot (in)_____
Index ID	AFFIX LABEL HERE JK	Sampling Time:_____ Sample Type: FS FD FB ER Parent ID:_____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites:_____ VV Present:_____Absent:_____ Sampling Depth: Top (in)_____ Bot (in)_____
Index ID	AFFIX LABEL HERE JK	Sampling Time:_____ Sample Type: FS FD FB ER Parent ID:_____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites:_____ VV Present:_____Absent:_____ Sampling Depth: Top (in)_____ Bot (in)_____
Index ID	AFFIX LABEL HERE JK	Sampling Time:_____ Sample Type: FS FD FB ER Parent ID:_____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites:_____ VV Present:_____Absent:_____ Sampling Depth: Top (in)_____ Bot (in)_____

COMMENTS

Sunny, ~45°, calm

Flume @ 2.32 ft

Note: **FS** Field Sample **FD** Field Duplicate Sample **FB** Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JLK	Field Entries Checked by:	MC

Database Entry:		Database QC:

Sheet No.: SWS- 09
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-05 **Sampling Date:** 05/09/18
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 9
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115°46965 **Northing:** 48°41821 **Elev:** 2070 ft.
Sampling Team: MWH **Samplers Initials:** KB, JDG, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10013	Sampling Time: 0850 Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Sunny, calm, 45°F

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	KB	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 10
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-04 **Sampling Date:** 05/09/12
Field Logbook ID: Kootenai Phase IV **Logbook Page No:** 9
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** on file **Northing:** on file **Elev:** on file
Sampling Team: MWH **Samplers Initials:** KB, JDG, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID			
Index ID	P5-10014	Sampling Time: 0800 Sample Type: FS FD (FB) ER Parent ID: — Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10015	Sampling Time: 0920 Sample Type: (FS) FD FB ER Parent ID: — Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10016	Sampling Time: 0900 Sample Type: FS (FD) FB ER Parent ID: P5-10015 Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Sunny, calm, ~56°F

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	KB	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 11
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-01 **Sampling Date:** 05/09/12
Field Logbook ID: Kootenai Phase II **Logbook Page No:** 10
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** on file **Northing:** on file **Elev:** on file
Sampling Team: MWH **Samplers Initials:** JDG, KB, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID			
Index ID	P5-10017	Sampling Time: 0935 Sample Type: (FS) FD FB ER Parent ID: — Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

sunny, calm, 50°F

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	KB	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 12
SED- _____

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: UKR-0 **Sampling Date:** 05/09/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 10
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** on file **Northing:** on file **Elev:** on file
Sampling Team: MWH **Samplers Initials:** KB, JDG, ML **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10018	Sampling Time: 0950 Sample Type: (FS) FD FB ER Parent ID: — Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites:_____ VV Present:_____Absent:_____ Sampling Depth: Top (in)_____ Bot (in)_____
Index ID	~~AFFIX LABEL HERE~~ KB	Sampling Time:_____ Sample Type: FS FD FB ER Parent ID:_____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites:_____ VV Present:_____Absent:_____ Sampling Depth: Top (in)_____ Bot (in)_____
Index ID	~~AFFIX LABEL HERE~~ KB	Sampling Time:_____ Sample Type: FS FD FB ER Parent ID:_____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites:_____ VV Present:_____Absent:_____ Sampling Depth: Top (in)_____ Bot (in)_____
Index ID	~~AFFIX LABEL HERE~~ KB	Sampling Time:_____ Sample Type: FS FD FB ER Parent ID:_____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites:_____ VV Present:_____Absent:_____ Sampling Depth: Top (in)_____ Bot (in)_____

COMMENTS

Sunny, light breeze, ~53°F

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	KB	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 13
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: LRC-06 **Sampling Date:** 05/09/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 10-11
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** on file **Northing:** on file **Elev:** on file
Sampling Team: MWH **Samplers Initials:** JDG, KB, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	Sampling Time / Sample Type / Parent ID / Media	Sampling Method / # of Composites / VV / Sampling Depth
P5-10019 D1	Sampling Time: 1025 Sample Type: (FS) FD FB ER Parent ID: — Media: Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
P5-10020 P1	Sampling Time: 1025 Sample Type: (FS) FD FB ER Parent ID: — Media: Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite peristaltic pump # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
P5-10021 T1	Sampling Time: 1025 Sample Type: (FS) FD FB ER Parent ID: — Media: Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite tube # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
P5-10022 ~~D1~~ KB D2	Sampling Time: 1032 Sample Type: (FS) FD FB ER Parent ID: — Media: Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Sunny, light breeze, 55°F
flume = 1.80, ISCO = 44.38

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	KB	Field Entries Checked by:	JM

Database Entry:		Database QC:

Sheet No.: SWS- 14
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: LRC-06 **Sampling Date:** 05/09/12
Field Logbook ID: Kootenai Phase II **Logbook Page No:** 11-12
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** on file **Northing:** on file **Elev:** on file
Sampling Team: MWH **Samplers Initials:** JDG, KB, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID			
Index ID	P5-10023 P2	Sampling Time: 1032 Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite peristaltic pump # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10024 T2	Sampling Time: 1032 Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite tube # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10025 D3	Sampling Time: 1040 Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10026 P3	Sampling Time: 1040 Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite peristaltic pump # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

sunny, light breeze, 55°F
flume = 1.80, ISCO = 44.38

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	KB	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 15
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: LRC-06 **Sampling Date:** 05/09/12
Field Logbook ID: Kootenai Phase II **Logbook Page No:** 12
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** on file **Northing:** on file **Elev:** on file
Sampling Team: MWH **Samplers Initials:** KB, JDG, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10027 T3	Sampling Time: 1040 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite tube # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Sunny, light breeze, 55°F 1040 HRS 5-09-12
flume = 1.80, ISCO = 4,438 LRC-06 Flow
4,438 gpm

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	KB	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 16
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-05 **Sampling Date:** 05/16/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 13
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** —
Sampling Team: MWH **Samplers Initials:** YK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10028	Sampling Time: 0835 Sample Type: FS FD (FB) ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10029	Sampling Time: 0910 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast, slight breeze, 50°

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JW	Field Entries Checked by:	MC

Database Entry:		Database QC:

Sheet No.: SWS- 17
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-04 **Sampling Date:** 05/16/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 13
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** —
Sampling Team: MWH **Samplers Initials:** SK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10030	Sampling Time: 0925 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10031	Sampling Time: (0940) Sample Type: FS (FD) FB ER Parent ID: P5-10030 Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast, calm, ~55°

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JLK	Field Entries Checked by:	MC

Database Entry:		Database QC:

Sheet No.: SWS- 18
SED- _____

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-1 **Sampling Date:** 05/16/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 13
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** —
Sampling Team: MWH **Samplers Initials:** JLK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10032	Sampling Time: 0955 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Light clouds, ~60°, calm

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JLK	Field Entries Checked by:	MC

Database Entry:		Database QC:

Sheet No.: SWS- 19
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: UKR-O **Sampling Date:** 05/16/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 13
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** —
Sampling Team: MWH **Samplers Initials:** JCK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10033	Sampling Time: 1015 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	*AFFIX LABEL HERE*	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	*AFFIX LABEL HERE*	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	*AFFIX LABEL HERE*	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Light clouds, Slight Breeze, ~60°

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	ML

Database Entry:		Database QC:

Sheet No.: SWS- 20
SED- _____

PHASE V Part A Rev. 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: LRC-6 **Sampling Date:** 05/16/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 14
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** —
Sampling Team: MWH **Samplers Initials:** JLK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10034	Sampling Time: 1030 Sample Type: (FS) FD FB ER Parent ID: _____ Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	*AFFIX LABEL HERE*	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	*AFFIX LABEL HERE*	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	*AFFIX LABEL HERE*	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____

COMMENTS

Light clouds, slight breeze, ~60°

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JLK	Field Entries Checked by:	MC

Database Entry:		Database QC:

Sheet No.: SWS- 21
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR16 - ~~Fran~~ 2N JCK
Sampling Date: 5/23/2012
Field Logbook ID: Kootenai Phase V
Logbook Page No: 16
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115.53555 **Northing:** 48.39288 **Elev:** 2048
Sampling Team: MWH **Samplers Initials:** JCK, KB, JDG **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10035 KR-16 2 N	Sampling Time: 9:55 Sample Type: (FS) FD FB ER Parent ID: — Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10036	Sampling Time: 09:58 Sample Type: FS FD (FB) ER Parent ID: — Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE 16	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE 16	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast, 50°

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	KB

Database Entry:		Database QC:

Sheet No.: SWS- 22
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR16-Trans **Sampling Date:** 05/23/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 16-17
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** — see comments
Sampling Team: MWH **Samplers Initials:** JCK, KB, JDG **Filter Lot:** —

SAMPLE COLLECTION

Index ID	P5-10037 KR-16-TRANS A	Sampling Time: 1010 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10038 KR-16-TRANS B	Sampling Time: 1020 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10039 KR-16-TRANS C	Sampling Time: 1027 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10040 KR-16-TRANS D	Sampling Time: 1030 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast, 50-55°

K16-A	N: 48.39275°	W: 115.53577°
K16 B	N: 48.39256°	W: 115.53576°
K16 C	N: 48.39226°	W: 115.53577°
K16 D	N: 48.39207°	W: 115.53578°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	Jeff	Field Entries Checked by:	KB

Database Entry:	Database QC:

Sheet No.: SWS- 23
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR14 - N
Sampling Date: 05/23/2012
Field Logbook ID: Kootenai Phase V
Logbook Page No: 17 - 18
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115.47604 **Northing:** 48.41796° **Elev:** 2067°
Sampling Team: MWH **Samplers Initials:** JCK, KB, JDG **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10041	Sampling Time: 1050 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10046 KR14 - TRANS - D	Sampling Time: 1130 Sample Type: (FS) (FD) FB ER JK Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	"fill in" P5-10047 KR14 - TRANS - E	Sampling Time: 1135 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast, 55°
KR14 - D N 48.41713° W 115.47593°
KR14 - E N 48.41766° W 115.47616°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	KB

Database Entry:	Database QC:

Sheet No.: SWS- 24
SED- _____

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR14-Trans **Sampling Date:** 05/23/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 17-18
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** see comments
Sampling Team: MWH **Samplers Initials:** JCK, KB, JDG **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10042 KR14-TRANS-A	Sampling Time: 1107 Sample Type: (FS) FD FB ER Parent ID: _____ Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	P5-10043 KR14-TRANS-B	Sampling Time: 1113 Sample Type: (FS) FD FB ER Parent ID: _____ Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	P5-10044 KR14-TRANS-B Dup	Sampling Time: 1120 Sample Type: FS (FD) FB ER Parent ID: P5-10043 Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	P5-10045 KR14-TRANS-C	Sampling Time: 1125 Sample Type: (FS) FD FB ER Parent ID: _____ Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____

COMMENTS

KR14-A N: 48.41788° W: 115.47620°
KR14-B N: 48.41743° W: 115.47610°
KR14-C N: 48.41730 24° W: 115.47603°
Overcast, 55°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	KB

Database Entry:		Database QC:

Sheet No.: SWS- 25
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-15 **Sampling Date:** 05/23/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 18
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115.50020° **Northing:** 48.41259° **Elev:** 2056 Ft
Sampling Team: MWH **Samplers Initials:** JCK, KB, JDG **Filter Lot:** N/A

SAMPLE COLLECTION

Index ID	P5-10048	Sampling Time: ~~1210~~ JCK 1310 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast, 55-60°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	KB

Database Entry:		Database QC:

Sheet No.: SWS- 26
SED- _____

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-5 **Sampling Date:** 05/23/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 18
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** on File
Sampling Team: MWH **Samplers Initials:** JCK, KB, JDG **Filter Lot:** MA

SAMPLE COLLECTION

Index ID	P5-10049	Sampling Time: 1330 Sample Type: (FS) FD FB ER Parent ID: _____ Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	P5-10050	Sampling Time: (1320) Sample Type: FS (FD) FB ER Parent ID: P5-10049 Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	JK AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	JR AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____

COMMENTS

Overcast, 55-60°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	KB

Database Entry:		Database QC:

Sheet No.: SWS- 27
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-4 **Sampling Date:** 05/23/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 19
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** on file
Sampling Team: MWH **Samplers Initials:** JK, JDG, KB **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10051	Sampling Time: 1335 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast 55°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JK	Field Entries Checked by:	KB

Database Entry:		Database QC:

Sheet No.: SWS- 28
SED- _____

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-1 **Sampling Date:** 05/23/2012
Field Logbook ID: Kootenai Phase IV **Logbook Page No:** 19
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** on file
Sampling Team: MWH **Samplers Initials:** JLK, KB, JDG **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10052	Sampling Time: 1340 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast 55°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JLK	Field Entries Checked by:	KB

Database Entry:		Database QC:

Sheet No.: SWS- 29
SED- _____

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: UKR-O **Sampling Date:** 05/23/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 19
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** On file
Sampling Team: MWH **Samplers Initials:** JCK, KB, JDG **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10053	Sampling Time: 1345 Sample Type: (FS) FD FB ER Parent ID: _____ Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	JK AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	JK AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	JK AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____

COMMENTS

Overcast, 60°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JK	Field Entries Checked by:	KB

Database Entry:		Database QC:

Sheet No.: SWS- 30
SED- _____

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: UKR - 1 **Sampling Date:** 05/23/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** _____
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115.42822° **Northing:** 48.37200° **Elev:** 2106 Ft
Sampling Team: MWH **Samplers Initials:** JLK, JDG, KB **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10054	Sampling Time: 1358 Sample Type: (FS) FD FB ER Parent ID: _____ Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	AFFIX LABEL HERE JK	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	AFFIX LABEL HERE JK	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	AFFIX LABEL HERE JK	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____

COMMENTS

Overcast / part sun, 60°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JLK	Field Entries Checked by:	KB

Database Entry:		Database QC:

Sheet No.: SWS- 31
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: UKR-2 **Sampling Date:** 05/23/2012
Field Logbook ID: Kootenai Phase IV **Logbook Page No:** 19
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115.32640° **Northing:** 48.36566° **Elev:** 2129 ft
Sampling Team: MWH **Samplers Initials:** JLK, KB, JOG **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10055	Sampling Time: 1415 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast 60° - By Bridge

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JLK	Field Entries Checked by:	KB

Database Entry:		Database QC:

Sheet No.: SWS- 32
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: LRC-6 **Sampling Date:** 05/23/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 19
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** on file
Sampling Team: MWH **Samplers Initials:** SCK, KB, JDG, SE **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10056	Sampling Time: 1457 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	SK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	SK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	SK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast, part sun, 60°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	YLK	Field Entries Checked by:	KB

Database Entry:		Database QC:

Sheet No.: SWS- 33
SED- _____

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-5 **Sampling Date:** 05/30/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 20
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** — on file
Sampling Team: MWH **Samplers Initials:** JK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10057	Sampling Time: 05/30/2012 0845 Sample Type: FS FD (FB) ER Parent ID:_____ Media : Sediment Surface Water	Sampling Method (if applicable): (Grab) or Composite # of Composites:_____ VV Present:_____Absent:_____ Sampling Depth: Top (in)_____ Bot (in)_____
Index ID	P5-10058	Sampling Time: 0900 Sample Type: (FS) FD FB ER Parent ID:_____ Media : Sediment Surface Water	Sampling Method (if applicable): (Grab) or Composite # of Composites:_____ VV Present:_____Absent:_____ Sampling Depth: Top (in)_____ Bot (in)_____
Index ID	AFFIX LABEL HERE	Sampling Time:_____ Sample Type: FS FD FB ER Parent ID:_____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites:_____ VV Present:_____Absent:_____ Sampling Depth: Top (in)_____ Bot (in)_____
Index ID	AFFIX LABEL HERE	Sampling Time:_____ Sample Type: FS FD FB ER Parent ID:_____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites:_____ VV Present:_____Absent:_____ Sampling Depth: Top (in)_____ Bot (in)_____

COMMENTS

Overcast, 47°

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	MC

Database Entry:		Database QC:

Sheet No.: SWS- 34
SED- _____

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-4 **Sampling Date:** 05/30/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 20
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** — on file
Sampling Team: MWH **Samplers Initials:** JCK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10059	Sampling Time: 0915 Sample Type: (FS) FD FB ER Parent ID: _____ Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	P5-10060	Sampling Time: (0930) Sample Type: FS (FD) FB ER Parent ID: P5-10059 Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	*AFFIX LABEL HERE*	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	*AFFIX LABEL HERE*	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____

COMMENTS

Overcast, 50°

Note: **FS** Field Sample **FD** Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	MC

Database Entry:	*Database QC:*

Sheet No.: SWS- 35
SED- _____

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-1 **Sampling Date:** 05/30/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 20
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** — on File
Sampling Team: MWH **Samplers Initials:** JCK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10061	Sampling Time: 0940 Sample Type: (FS) FD FB ER Parent ID: _____ Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____

COMMENTS

Overcast, 50°

Note: **FS** Field Sample **FD** Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	ML

Database Entry:		Database QC:

Sheet No.: SWS- 36
SED- _____

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: UKR-0 **Sampling Date:** 05/30/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** _____
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** — on file
Sampling Team: MWH **Samplers Initials:** JCK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10062	Sampling Time: 0955 Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____

COMMENTS

Overcast, 50°

Note: **FS** Field Sample **FD** Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	MC

Database Entry:		Database QC:

Sheet No.: SWS- 37
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: LRC-6 **Sampling Date:** 05/30/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 21
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** on file
Sampling Team: MWH **Samplers Initials:** JCK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10063	Sampling Time: 1010 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast, 55°

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	MC

Database Entry:	Database QC:

Sheet No.: SWS- 38
SED- _____

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-5 **Sampling Date:** 06/06/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 22
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** on file **Northing:** on file **Elev:** on file
Sampling Team: MWH **Samplers Initials:** KB, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10064	Sampling Time: 0825 Sample Type: ~~FS~~ FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10065	Sampling Time: 0830 Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	~~AFFIX LABEL HERE~~ KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	~~AFFIX LABEL HERE~~ KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast, precip. 50°F

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	KB	Field Entries Checked by:	

Database Entry:		Database QC:

Sheet No.: SWS- 39
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-4 **Sampling Date:** 06/06/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 22
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** on file **Northing:** on file **Elev:** on file
Sampling Team: MWH **Samplers Initials:** KB, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10066	Sampling Time: 0845 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

overcast, precip. 50F

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	KB	Field Entries Checked by:	

Database Entry:		Database QC:

Sheet No.: SWS- 40
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-1 **Sampling Date:** 06/06/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 22
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** on file **Northing:** on file **Elev:** on file
Sampling Team: MWH **Samplers Initials:** MC, KB **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10067	Sampling Time: 0855 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10068	Sampling Time: 0900 Sample Type: FS (FD) FB ER Parent ID: P5-10067 Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

	overcast, no precip, 50°F

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	KB	**Field Entries Checked by:**	

Database Entry:		*Database QC:*	

Sheet No.: SWS- 41
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: UKR-0 **Sampling Date:** 06/06/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 23
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** on file **Northing:** on file **Elev:** on file
Sampling Team: MWH **Samplers Initials:** MC, KB **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10069	Sampling Time: 0915 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

overcast, no precip, 50°F

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by: KB	Field Entries Checked by:

Database Entry:	Database QC:

Sheet No.: SWS- 42
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: LRC-6 **Sampling Date:** 06/06/2012
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 23
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** on file **Northing:** on file **Elev:** on file
Sampling Team: MWH **Samplers Initials:** MC, KB **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10070	Sampling Time: 0930 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	~~AFFIX LABEL HERE~~ KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	~~AFFIX LABEL HERE~~ KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	~~AFFIX LABEL HERE~~ KB	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

overcast, precip, 50°F
gnage = 1.55'

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by: KB	Field Entries Checked by:

Database Entry:	Database QC:

Sheet No.: SWS- 43
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-5 **Sampling Date:** 06/13/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 24
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** — on file
Sampling Team: MWH **Samplers Initials:** JCK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10071	Sampling Time: 0825 Sample Type: FS FD (FB) ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10072	Sampling Time: 0905 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JCK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast, 53°F

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	[illegible]

Database Entry:		Database QC:

Sheet No.: SWS- 44
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-4 **Sampling Date:** 6/13/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 24
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** — On-file
Sampling Team: MWH **Samplers Initials:** JCK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10073	Sampling Time: 0915 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10074	Sampling Time: (0925) Sample Type: FS (FD) ~~FB~~ ER JCK 6/20/12 Parent ID: P5-10073 Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	~~AFFIX LABEL HERE~~ JCK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK ~~AFFIX LABEL HERE~~	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast, 55°F

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	[illegible]

Database Entry:		Database QC:

Sheet No.: SWS- 45
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-1 **Sampling Date:** 6/13/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 24
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** — on-file
Sampling Team: MWH **Samplers Initials:** JCK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10075	Sampling Time: 0940 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JCK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JCK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast, 60°

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	ML

Database Entry:		Database QC:

Sheet No.: SWS- 46
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: UKR-0 **Sampling Date:** 6/13/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 25
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** — on file
Sampling Team: MWH **Samplers Initials:** JCK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10076	Sampling Time: 0955 Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Overcast 60°

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JK	Field Entries Checked by:	ML

Database Entry:		Database QC:

Sheet No.: SWS- 47
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: LRC-6 **Sampling Date:** 6/13/12
Field Logbook ID: Kootenai Phase V **Logbook Page No:** 25
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** — **Northing:** — **Elev:** — on file
Sampling Team: MWH **Samplers Initials:** JK, MC **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10077	Sampling Time: 1010 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Slight Rain, 60° Flume 1.47'

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JK	Field Entries Checked by:	MC

Database Entry:		Database QC:

Sheet No.: SWS- 48
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-16 N **Sampling Date:** 9-19-12
Field Logbook ID: Libby 2012 Kootenai Phase V. **Logbook Page No:** 26
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115,53555 **Northing:** 48,39288 **Elev:** River
Sampling Team: MWH **Samplers Initials:** JCK, SDR, Chapman Crew **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10078	Sampling Time: 0900 Sample Type: FS FD (FB) ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10079	Sampling Time: 0910 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Slight Clouds - Cool 42°

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	SDR

Database Entry:		Database QC:

Sheet No.: SWS- 49
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR16-TRANSECT **Sampling Date:** 9-19-12
Field Logbook ID: Libby 2012 Kootenai Phase V **Logbook Page No:** 26-27
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** See Comments **Northing:** — **Elev:** —
Sampling Team: MWH **Samplers Initials:** JCK, JDK, Chapman Crew **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	KR-16 A P5-10080	Sampling Time: 0914 Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	KR16 B P5-10081	Sampling Time: 0917 Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	KR16 C P5-10082	Sampling Time: 0925 Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	KR16 D P5-10083	Sampling Time: 0928 Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

GPS Locations same as High Flow - Page 17 of Log Book
Clear, Calm 55°

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	JDK

Database Entry:		Database QC:

Sheet No.: SWS- 50
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-15 **Sampling Date:** 09-19-12
Field Logbook ID: Libby 2012 Kootenai Phase V **Logbook Page No:** 29
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115,50026 **Northing:** 48,41259 **Elev:** NA (River)
Sampling Team: MWH **Samplers Initials:** JCK, JDG, Chapman Crew **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10085	Sampling Time: 1134 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment ~~Surface Water~~	Sampling Method (if applicable): ~~Grab~~ or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	AFFIX LABEL HERE JCK	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Clear, CALM ≈ 65°

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 51
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-14 - North **Sampling Date:** 9-19-12
Field Logbook ID: Libby 2012 Kootenai Phase IV **Logbook Page No:** 30
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115.47526° **Northing:** 48.41803 **Elev:** NA (WATER)
Sampling Team: MWH **Samplers Initials:** SCK, JDG, Chapman Crew **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10086	Sampling Time: 1150 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10087	Sampling Time: ~~1140~~ SCK 9-20-12 1155 Sample Type: FS (FD) FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	SCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	SCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

	Clear, warm 65-70°, CALM

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JLK	**Field Entries Checked by:**	JDG

Database Entry:		*Database QC:*

Sheet No.: SWS- 52
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR14 – TRANSect **Sampling Date:** 09-19-12
Field Logbook ID: Libby 2012 Kootenai Phase V **Logbook Page No:** 30
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** See Comments **Northing:** — **Elev:** — River
Sampling Team: MWH **Samplers Initials:** JCK, JDG, Chapman Crew **Filter Lot:** NA

SAMPLE COLLECTION

Index ID			
	KR14 – A P5-10088	Sampling Time: 1159 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
	KR14 – B P5-10089	Sampling Time: 1203 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
	KR14 – C P5-10090	Sampling Time: 1206 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
	KR14 – D P5-10091	Sampling Time: 1208 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

KR14-A = N 48.41788° W. 115.47579°
KR14-B = N 48.41762° W. 115.47525°
KR14-C = N 48.41736° W. 115.47533°
KR14-D = N 48.41723° W. 115.47537°

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JK	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 53
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-5 **Sampling Date:** 09-19-12
Field Logbook ID: 2012 Libby Kootenai Phase V **Logbook Page No:** 31
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115.46965° **Northing:** 48.41821 **Elev:** River
Sampling Team: MWH **Samplers Initials:** JCK, JDG, Chapman Crew **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10092	Sampling Time: 1219 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Clear, extra, 65-70°

Note: FS Field Sample FD Field Duplicate Sample FB Field Blank Sample
VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 54
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-4 **Sampling Date:** 9-19-12
Field Logbook ID: Libby 2012 Kootenai Phase V **Logbook Page No:** 31
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115° 27.821' **Northing:** 48° 25.030' **Elev:** N/A
Sampling Team: MWH **Samplers Initials:** JCK, JDG, Chapman Crew **Filter Lot:** —

SAMPLE COLLECTION

Index ID	P5-10093	Sampling Time: 1225 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Clear, calm, warm 65-70°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 55
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: KR-1 **Sampling Date:** 9-19-12
Field Logbook ID: 2012 Libby Kootenai Phase V **Logbook Page No:** 34
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115° 27.542' **Northing:** 48° 24.812' **Elev:** —
Sampling Team: MWH **Samplers Initials:** SCK, JDG; Chapman Crew **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10101	Sampling Time: 1525 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	SCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	SCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	SCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Clear, calm 75°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 56
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: UKR-0 **Sampling Date:** 9-19-12
Field Logbook ID: Libby 2012 Kootenai Phase V **Logbook Page No:** 34
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115.45827 **Northing:** 48.40917 **Elev:** 639 m
Sampling Team: MWH **Samplers Initials:** JCK, JDG, Chapman Crew **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10102	Sampling Time: 1532 Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	P5-10103	Sampling Time: ~~1515~~ JCK 9-20-12 1539 Sample Type: FS FD FB ER Parent ID: P5-10102 Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Clear, calm, 75°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	JDG

Database Entry:	Database QC:

Sheet No.: SWS- 57
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: UKR-1 **Sampling Date:** 9-19-12
Field Logbook ID: Libby 2012 Kootenai Phase V **Logbook Page No:** 35
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115.42822 **Northing:** 48.37200 **Elev:** River
Sampling Team: MWH **Samplers Initials:** JCK, JDG, Chapman Crew **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10104	Sampling Time: 1544 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)

COMMENTS

Clear, CALM, 75°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 58
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: UKR-3 **Sampling Date:** 9-19-12
Field Logbook ID: Libby 2012 Kootenai Phase V **Logbook Page No:** 35
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** 115.32640 **Northing:** 48.36566 **Elev:** NA
Sampling Team: MWH **Samplers Initials:** JDG, JCK, Chapman Crew **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10105	Sampling Time: 1610 Sample Type: (FS) FD FB ER Parent ID: Media : Sediment (Surface Water)	Sampling Method (if applicable): (Grab) or Composite # of Composites: VV Present: Absent: Sampling Depth: Top (in) Bot (in)
Index ID	JCK AFFIX LABEL HERE	Sampling Time: ~~Sample Type: FS FD FB ER~~ Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite ~~# of Composites:~~ ~~VV Present: Absent:~~ ~~Sampling Depth: Top (in) Bot (in)~~
Index ID	JCK AFFIX LABEL HERE	Sampling Time: ~~Sample Type: FS FD FB ER~~ Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite ~~# of Composites:~~ ~~VV Present: Absent:~~ ~~Sampling Depth: Top (in) Bot (in)~~
Index ID	JCK AFFIX LABEL HERE	Sampling Time: Sample Type: FS FD FB ER Parent ID: Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite ~~# of Composites:~~ ~~VV Present: Absent:~~ ~~Sampling Depth: Top (in) Bot (in)~~

COMMENTS

Clear, slight Breez, 75°

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JCK	Field Entries Checked by:	JDG

Database Entry:		Database QC:

Sheet No.: SWS- 59
SED-

PHASE V Part A Rev 0
LIBBY OU3 FIELD SAMPLE DATA SHEET
SURFACE WATER AND SEDIMENT

Station ID: LRC-6 **Sampling Date:** 9-19-12
Field Logbook ID: Kootenai Phase V Libby 2012 **Logbook Page No:** 37
GPS Coordinate System: UTM Zone 11 North, NAD83 datum, meters
***For New Stations Only*:** **Easting:** on Record **Northing:** _____ **Elev:** —
Sampling Team: MWH **Samplers Initials:** SCK, JDG, Sean w/HDR **Filter Lot:** NA

SAMPLE COLLECTION

Index ID	P5-10108	Sampling Time: 1907 Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____
Index ID	AFFIX LABEL HERE	Sampling Time: _____ Sample Type: FS FD FB ER Parent ID: _____ Media : Sediment Surface Water	Sampling Method (if applicable): Grab or Composite # of Composites: _____ VV Present: _____ Absent: _____ Sampling Depth: Top (in) _____ Bot (in) _____

COMMENTS

STAFF GAUGE 0.51'

Note: FS Field Sample; FD Field Duplicate Sample; FB Field Blank Sample; VV Visible Vermiculite

Field Data Entered by:	JVK	Field Entries Checked by:	JDG

Database Entry:		Database QC: