

APPENDIX D

RBA-ADJUSTED LEAD CONCENTRATIONS AND UPLAND RI DATA SET



Appendix D: RBA- Adjusted Lead Concentrations and Upland RI Data Set

Final Upland RI Report, Upper Columbia
River, Washington

PREPARED FOR
Teck American Incorporated

DATE
August 2025

REFERENCE
0766662

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CONTENTS

1. UPLAND RI DATA SET COLUMN DESCRIPTIONS FOR TABLE D-2

1

TABLES

LIST OF TABLES

TABLE D-1 RBA-ADJUSTED LEAD CONCENTRATIONS FOR THE UPLAND RI DATA SET

TABLE D-2 UPLAND RI DATA SET (PROVIDED IN EXCEL FORMAT)

ACRONYMS AND ABBREVIATIONS

Acronym	Description
um	micrometer
cm	centimeter
COC	chemical of concern
DryWt	dry weight
DU	decision unit
EPA	U.S. Environmental Protection Agency
IC	incremental composite
km	kilometer
m	meter
mg/kg	milligram per kilogram
mm	millimeter
NA	not applicable
nd	nondetected
NM	name
RBA	relative bioavailability
RI	remedial investigation
RI/FS	remedial investigation and feasibility study
UTM	Universal Transverse Mercator
QA/QC	quality assurance/quality control
WRIA	water resource inventory area

1. UPLAND RI DATA SET COLUMN DESCRIPTIONS FOR TABLE D-2

Column Header	Description	Source	Modification from UCR RI/FS Database
study_id	UCR RI/FS database study ID.	UCR RI/FS Database	None
study_loc_id	Study location ID.	UCR RI/FS Database	Concatenated with semicolon for replicates
sample_no	Sample number.	UCR RI/FS Database	Concatenated with semicolon for replicates
sampcoll_id	Sample collection ID (i.e., field sample ID).	UCR RI/FS Database	Concatenated with semicolon for replicates
sum_sample_id	Sample summary ID. Used in database to accommodate parent-replicate sample relationship.	UCR RI/FS Database	Concatenated with semicolon for replicates
sample_date	Date sample was collected.	UCR RI/FS Database	None
study_element	Field replicate, duplicate, or triplicate information. Also identifies if split samples were prepared and other information.	UCR RI/FS Database	Concatenated with semicolon for replicates
composite_type	Information about whether a sample was a composite, incremental composite, or discrete grab sample.	UCR RI/FS Database	None
upper_depth	Upper depth of sample.	UCR RI/FS Database	None
lower_depth	Lower depth of sample.	UCR RI/FS Database	None
depth_units	Units for sample depth.	UCR RI/FS Database	None
material_analyzed	Material type and grain size information for laboratory analysis.	UCR RI/FS Database	None
analyte	Metal analyzed.	UCR RI/FS Database	None
method_code	Laboratory analytical method used to measure metals concentrations.	UCR RI/FS Database	None

Column Header	Description	Source	Modification from UCR RI/FS Database
meas_basis	Reporting basis for analytical results, including dry weight or total. All results are assumed to be reported on a dry weight basis.	UCR RI/FS Database	None
Concentration	Concentration value used for nature and extent evaluations and statistical analyses. If there were two or more replicates for a sample, this field includes the average concentration. For samples with no replicates, this field includes the meas_value.	Supplemental Data	NA
meas_value	Measured metals concentration. Two or more values separated by a semi-colon represent replicates that were averaged. The average concentration is reported in the Concentration column.	UCR RI/FS Database	Concatenated with semicolon for replicates
units	Concentration units.	UCR RI/FS Database	None
lab_flags	Laboratory data qualifier QA/QC flags.	UCR RI/FS Database	Concatenated with semicolon for replicates
qa_level	Level of QA performed for the data.	UCR RI/FS Database	None
lab_conc_qual	Laboratory QA/QC flags.	UCR RI/FS Database	Concatenated with semicolon for replicates
validator_flags	Data validation QA/QC flags.	UCR RI/FS Database	Concatenated with semicolon for replicates
detection_limit	Detection limit.	UCR RI/FS Database	Concatenated with semicolon for replicates
reporting_limit	Reporting limit.	UCR RI/FS Database	Concatenated with semicolon for replicates
undetected	Identifies nondetected analytical result: TRUE = nondetected, FALSE = detected.	UCR RI/FS Database	Concatenated with semicolon for replicates

Column Header	Description	Source	Modification from UCR RI/FS Database
estimated	Identifies analytical results qualified as estimated: TRUE = qualified as estimated, FALSE = not qualified as estimated as a result of QA/QC.	UCR RI/FS Database	None
rejected	Identifies analytical results qualified as rejected as a result of QA/QC. Note that rejected results have been filtered from the data set and are not included.	UCR RI/FS Database	None
reportable	Identifies if analytical results are reportable. Note that non-reportable results have been filtered from the data set and are not included.	UCR RI/FS Database	None
nd_reported_to	Level (e.g., detection limit, reporting limit) at which a nondetected result is reported.	UCR RI/FS Database	None
alias_id	Unique UCR RI/FS database ID.	UCR RI/FS Database	Concatenated with semicolon for replicates
x_coord	X-coordinate of sample location, provided in meters UTM Zone 11N.	UCR RI/FS Database	None
y_coord	Y-coordinate of sample location, provided in meters UTM Zone 11N.	UCR RI/FS Database	None
Number of Replicates	Identifies samples with replicates that are averaged in Concentration column.	Supplemental Data	NA
DU	Decision unit number, where DU numbers were used.	Supplemental Data	NA
DU Type	Identifies DUs from the 2014 Soil Study primary sampling area or where high-density sampling took place.	Supplemental Data	NA
Property	Property number, where property numbers were used.	Supplemental Data	NA
Geographic Area	Geographic area of the sample. For samples in Washington, this column includes the county. For samples in the U.S., but outside of Washington,	Supplemental Data	NA

Column Header	Description	Source	Modification from UCR RI/FS Database
	this column includes the state. Samples in British Columbia are identified as B.C. For samples without x and y coordinates, this column = NA.		
WRIA_NM	Name of the Water Resource Inventory Area.	Supplemental Data	NA
Elevation (m)	The elevation of the sample location in meters as determined from a digital elevation model. For samples without x and y coordinates, this column = NA.	Supplemental Data	NA
Side of River	The side of the river the sample location is on (east or west). For samples without x and y coordinates, this column = NA.	Supplemental Data	NA
River Distance from Trail (km)	The river distance from Trail in kilometers. For samples without x and y coordinates, this column = NA.	Supplemental Data	NA
Distance to River (m)	The lateral distance to the river in meters. For samples without x and y coordinates, this column = NA.	Supplemental Data	NA
Average Slope	The average slope of the sample location. For samples without x and y coordinates, this column = NA.	Supplemental Data	NA
Pre-1973 Flood Extent Max	Identifies whether a sample location is above or below the pre-1973 flood extent. TRUE = sample location is below (inside) the pre-1973 flood extent, FALSE = sample location is above (outside) the pre-1973 flood extent.	Supplemental Data	NA
Included in UCR RI/FS Database	Identifies whether or not data are included in the UCR RI/FS database at the study level. FULL ACCESS = all registered users may access the data; RESTRICTED = select registered users may access the data; FALSE = not included in the database.	Supplemental Data	NA
COCs	Metals identified as COCs in the Upland RI report.	Upland RI Data Uses	NA

Column Header	Description	Source	Modification from UCR RI/FS Database
Used in Exploratory Data Analysis	Samples used in the exploratory data analysis presented in Appendix F and summarized in Section 6 of the Upland RI report.	Upland RI Data Uses	NA
Used in Post Maps (Total Recoverable Grain Size <2mm)	Samples used in the post maps for the Total Recoverable Grain Size < 2 mm group.	Upland RI Data Uses	NA
Used in Post Maps (Total Recoverable Grain Size <150um)	Samples used in the post maps for the Total Recoverable Grain Size < 150 um group.	Upland RI Data Uses	NA
Used in Post Maps (Total Recoverable Grain Size Unknown)	Samples used in the post maps for the Total Recoverable Grain Size Unknown group.	Upland RI Data Uses	NA
Used in Post Maps (Total Digestion)	Samples used in the post maps for the Total Digestion group.	Upland RI Data Uses	NA
Used in Data Exploration Tool	Samples used in the data exploration tool.	Upland RI Data Uses	NA
Used in Small-Scale Variability Analyses	Samples used in the small-scale variability analysis.	Upland RI Data Uses	NA
Used in Vertical Soil Core Profiles	Samples used for vertical soil core profiles.	Upland RI Data Uses	NA
Used in Vertical Surface-to-Subsurface Ratios	Samples used for vertical surface-to-subsurface ratios.	Upland RI Data Uses	NA
Used in Qualitative Assessment of Subsurface Data	Samples used for qualitative assessment of subsurface data.	Upland RI Data Uses	NA
Used in the Generalized Additive Model	Samples used in the generalized additive model.	Upland RI Data Uses	NA
Used in Geostatistical Model	Sample domain assignments for the geostatistical model.	Upland RI Data Uses	NA

Column Header	Description	Source	Modification from UCR RI/FS Database
Used in Upland RI	Samples used for one or more of the above in the Upland RI report.	Upland RI Data Uses	NA

Notes:

um - micrometer

COC - chemical of concern

DU - decision unit

km - kilometer

m - meter

mm - millimeter

NA - not applicable

RBA - relative bioavailability

RI - remedial investigation

RI/FS - remedial investigation and feasibility study

UTM - Universal Transverse Mercator

QA/QC - quality assurance/quality control



TABLES

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2014_UplandSoil	ADA-001	288	354.06	430454.64	5408511.52
Teck_2014_UplandSoil	ADA-002	51.6	61.49	433403.18	5408902.29
Teck_2014_UplandSoil	ADA-004	138	164.46	434841.35	5409509.76
Teck_2014_UplandSoil	ADA-005	72.4	86.28	433970.68	5410114.95
Teck_2014_UplandSoil	ADA-006	252	300.31	431738.01	5410479.80
Teck_2014_UplandSoil	ADA-008	297	353.94	431121.98	5411071.92
Teck_2014_UplandSoil	ADA-010	450	536.27	431882.23	5411419.95
Teck_2014_UplandSoil	ADA-015	150	178.76	431758.61	5412692.02
Teck_2014_UplandSoil	ADA-016-A	211	251.45	433047.91	5412676.30
Teck_2014_UplandSoil	ADA-016-B	216	257.41	433025.61	5412676.33
Teck_2014_UplandSoil	ADA-016-C	234	278.86	433051.59	5412660.71
Teck_2014_UplandSoil	ADA-017	248	295.54	436223.22	5412670.32
Teck_2014_UplandSoil	ADA-018	450	536.27	436860.07	5412665.23
Teck_2014_UplandSoil	ADA-019	97.8	116.55	432246.75	5413794.69
Teck_2014_UplandSoil	ADA-020-A	86.3	102.84	434933.00	5413770.79
Teck_2014_UplandSoil	ADA-020-B	95.6	113.93	434909.88	5413760.11
Teck_2014_UplandSoil	ADA-020-C	85.3	101.65	434924.03	5413778.90
Teck_2014_UplandSoil	ADA-021	91.3	108.80	433865.15	5414541.12
Teck_2014_UplandSoil	ADA-023-A	148	176.37	436536.75	5414561.05
Teck_2014_UplandSoil	ADA-023-B	142	169.22	436527.54	5414593.76
Teck_2014_UplandSoil	ADA-023-C	164	195.44	436520.49	5414598.00
Teck_2014_UplandSoil	ADA-024	436	519.59	437401.59	5413570.48
Teck_2014_UplandSoil	ADA-025	208	247.88	441302.78	5413328.80
Teck_2014_UplandSoil	ADA-026	72	85.80	443474.57	5413075.78
Teck_2014_UplandSoil	ADA-028	207	246.68	440972.65	5414580.01
Teck_2014_UplandSoil	ADA-033	75.8	90.33	449613.36	5414585.04
Teck_2014_UplandSoil	ADA-034	65.4	77.94	449958.59	5413313.93
Teck_2014_UplandSoil	ADA-035	183	215.33	443883.84	5415485.41
Teck_2014_UplandSoil	ADA-039	35.2	41.95	451394.89	5415894.16
Teck_2014_UplandSoil	ADA-042	81.4	97.01	446424.57	5416827.09
Teck_2014_UplandSoil	ADA-043	154	183.52	448286.60	5417171.67
Teck_2014_UplandSoil	ADA-044	141	168.03	437517.69	5417874.07
Teck_2014_UplandSoil	ADA-045	324	386.11	443775.55	5417445.40

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Teck_2014_UplandSoil	ADA-046	180	214.51	444800.65	5417460.34
Teck_2014_UplandSoil	ADA-047	269	325.58	439605.07	5417642.93
Teck_2014_UplandSoil	ADA-048	124	143.55	448627.38	5418004.96
Teck_2014_UplandSoil	ADA-049	45.9	54.70	450330.43	5417827.86
Teck_2014_UplandSoil	ADA-050	367	437.36	440794.62	5418192.02
Teck_2014_UplandSoil	ADA-051	105	125.13	448031.66	5418403.88
Teck_2014_UplandSoil	ADA-052	353	420.67	439725.88	5418827.27
Teck_2014_UplandSoil	ADA-053	87.8	104.63	438078.38	5419121.05
Teck_2014_UplandSoil	ADA-054	429	511.24	441048.01	5419092.79
Teck_2014_UplandSoil	ADA-055-A	184	219.28	448657.67	5419068.48
Teck_2014_UplandSoil	ADA-055-B	197	234.77	448659.09	5419064.42
Teck_2014_UplandSoil	ADA-055-C	157	187.10	448666.41	5419095.99
Teck_2014_UplandSoil	ADA-056	72.3	86.16	437163.92	5419361.96
Teck_2014_UplandSoil	ADA-057	134	132.38	439041.12	5419194.04
Teck_2014_UplandSoil	ADA-058	79.9	95.22	450578.68	5419381.02
Teck_2014_UplandSoil	ADA-059	129	143.30	438831.39	5420042.20
Teck_2014_UplandSoil	ADA-060-A	364	433.78	440728.23	5419720.32
Teck_2014_UplandSoil	ADA-060-B	440	524.35	440721.34	5419718.58
Teck_2014_UplandSoil	ADA-060-C	413	492.18	440702.87	5419702.03
Teck_2014_UplandSoil	ADA-061	137	123.92	437829.58	5420006.53
Teck_2014_UplandSoil	ADA-062	296	352.75	440695.13	5420497.95
Teck_2014_UplandSoil	ADA-063	124	147.77	450559.98	5420322.58
Teck_2014_UplandSoil	ADA-064	142	169.22	437775.04	5420643.94
Teck_2014_UplandSoil	ADA-065	327	389.69	441470.61	5420669.41
Teck_2014_UplandSoil	ADA-066	143	170.41	442276.59	5420593.92
Teck_2014_UplandSoil	ADA-067	91.3	108.80	449938.40	5420651.82
Teck_2014_UplandSoil	ADA-070	208	247.88	440339.16	5421308.01
Teck_2014_UplandSoil	ADA-071	235	280.05	441300.44	5421267.67
Teck_2014_UplandSoil	ADA-073	265	315.80	440978.67	5421926.71
Teck_2014_UplandSoil	ADA-076	215	285.71	452331.28	5422468.07
Teck_2014_UplandSoil	ADA-078	218	259.79	439741.01	5422599.58
Teck_2014_UplandSoil	ADA-079	128	152.54	454236.08	5421793.21
Teck_2014_UplandSoil	ADA-081	166	186.83	440149.13	5423520.90

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RBA-Adjusted Lead Concentrations for the Upland RI Data Set
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Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2014_UplandSoil	ADA-082	169	201.40	441235.76	5423892.46
Teck_2014_UplandSoil	ADA-084	158	188.29	454849.78	5423489.49
Teck_2014_UplandSoil	ADA-085	125	148.96	461012.08	5423701.15
Teck_2014_UplandSoil	ADA-088	278	331.30	442908.22	5424496.56
Teck_2014_UplandSoil	ADA-089	281	334.87	444826.92	5424835.38
Teck_2014_UplandSoil	ADA-090	216	257.41	442011.75	5424972.58
Teck_2014_UplandSoil	ADA-091	240	286.01	445538.96	5425089.27
Teck_2014_UplandSoil	ADA-092	191	227.62	455156.03	5424892.13
Teck_2014_UplandSoil	ADA-093	155	184.72	459485.85	5425132.23
Teck_2014_UplandSoil	ADA-094	85.2	101.53	442935.87	5425460.01
Teck_2014_UplandSoil	ADA-095	140	166.84	443519.63	5425506.74
Teck_2014_UplandSoil	ADA-096	287	364.17	444567.93	5425426.22
Teck_2014_UplandSoil	ADA-097	456	543.42	446756.20	5425504.42
Teck_2014_UplandSoil	ADA-099	220	262.18	445469.14	5426068.74
Teck_2014_UplandSoil	ADA-101	192	228.81	457234.81	5425998.13
Teck_2014_UplandSoil	ADA-102	108	128.70	459162.26	5426045.50
Teck_2014_UplandSoil	ADA-103	148	176.37	460746.37	5426053.11
Teck_2014_UplandSoil	ADA-104	67.9	80.92	463360.88	5426078.09
Teck_2014_UplandSoil	ADA-105	194	231.19	456630.28	5426560.54
Teck_2014_UplandSoil	ADA-106-A	71	84.61	462060.78	5426417.34
Teck_2014_UplandSoil	ADA-106-B	57.5	68.52	462032.68	5426392.51
Teck_2014_UplandSoil	ADA-106-C	75.8	90.33	462076.34	5426376.70
Teck_2014_UplandSoil	ADA-107-A	141	168.03	441309.86	5426718.58
Teck_2014_UplandSoil	ADA-107-B	124	147.77	441339.24	5426744.70
Teck_2014_UplandSoil	ADA-107-C	113	134.66	441322.04	5426717.20
Teck_2014_UplandSoil	ADA-108-A	191	227.62	448933.42	5426708.53
Teck_2014_UplandSoil	ADA-108-B	178	212.12	448989.69	5426727.32
Teck_2014_UplandSoil	ADA-108-C	212	252.64	449008.26	5426755.33
Teck_2014_UplandSoil	ADA-109	324	386.11	450244.43	5426703.66
Teck_2014_UplandSoil	ADA-110	227	270.52	451220.13	5426731.61
Teck_2014_UplandSoil	ADA-111	102	121.55	440003.76	5427024.60
Teck_2014_UplandSoil	ADA-112	87.7	104.51	442278.24	5427342.19
Teck_2014_UplandSoil	ADA-113	139	165.65	442900.90	5426988.87

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Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2014_UplandSoil	ADA-114	97.6	116.31	444059.46	5427652.87
Teck_2014_UplandSoil	ADA-115	122	145.39	444533.83	5427152.76
Teck_2014_UplandSoil	ADA-116	96.1	114.52	445443.39	5427369.29
Teck_2014_UplandSoil	ADA-117	165	196.63	446897.73	5427439.69
Teck_2014_UplandSoil	ADA-118	163	194.25	447704.37	5427630.14
Teck_2014_UplandSoil	ADA-119	176	209.74	449078.13	5427385.04
Teck_2014_UplandSoil	ADA-121	204	243.11	457851.02	5427244.43
Teck_2014_UplandSoil	ADA-122	48.8	58.16	461532.93	5427265.77
Teck_2014_UplandSoil	ADA-124-A	180	214.51	445930.85	5418412.10
Teck_2014_UplandSoil	ADA-124-B	154	183.52	445947.14	5418406.72
Teck_2014_UplandSoil	ADA-124-C	118	140.62	445943.11	5418414.71
Teck_2014_UplandSoil	ADA-125	122	150.87	446414.68	5419058.76
Teck_2014_UplandSoil	ADA-126	340	427.44	444790.43	5419389.35
Teck_2014_UplandSoil	ADA-127	182	216.89	447387.57	5419964.38
Teck_2014_UplandSoil	ADA-128	310	369.43	443076.44	5420042.99
Teck_2014_UplandSoil	ADA-131-A	394	469.53	449312.85	5421241.76
Teck_2014_UplandSoil	ADA-131-B	211	251.45	449301.69	5421296.91
Teck_2014_UplandSoil	ADA-131-C	382	455.23	449297.96	5421288.79
Teck_2014_UplandSoil	ADA-132	146	173.99	444488.36	5421679.27
Teck_2014_UplandSoil	ADA-133	289	344.40	442921.06	5422266.30
Teck_2014_UplandSoil	ADA-135-A	132	157.31	445774.68	5421960.23
Teck_2014_UplandSoil	ADA-135-B	106	126.32	445775.24	5421920.60
Teck_2014_UplandSoil	ADA-135-C	122	145.39	445764.17	5421957.67
Teck_2014_UplandSoil	ADA-136	329	392.07	443716.50	5422241.23
Teck_2014_UplandSoil	ADA-139	189	225.23	451060.27	5422224.62
Teck_2014_UplandSoil	ADA-140	476	567.26	449270.55	5422882.66
Teck_2014_UplandSoil	ADA-141	163	190.13	442596.58	5422858.29
Teck_2014_UplandSoil	ADA-142	466	598.79	444830.00	5422890.11
Teck_2014_UplandSoil	ADA-143	237	282.44	446410.86	5422879.56
Teck_2014_UplandSoil	ADA-144	668	746.92	448020.85	5422887.43
Teck_2014_UplandSoil	ADA-145	318	372.79	444382.50	5423458.64
Teck_2014_UplandSoil	ADA-146	335	399.22	445773.07	5423271.65
Teck_2014_UplandSoil	ADA-147	656	781.76	447710.68	5423527.46

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Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2014_UplandSoil	ADA-148	317	377.77	448959.94	5423535.21
Teck_2014_UplandSoil	ADA-150	559	626.68	449934.27	5423856.82
Teck_2014_UplandSoil	ADA-151	374	445.70	450555.29	5423841.69
Teck_2014_UplandSoil	ADA-152	221	299.82	453062.12	5423855.41
Teck_2014_UplandSoil	ADA-153	383	456.43	445801.86	5424216.90
Teck_2014_UplandSoil	ADA-154-A	287	342.02	446452.64	5424466.44
Teck_2014_UplandSoil	ADA-154-B	373	444.51	446430.39	5424482.23
Teck_2014_UplandSoil	ADA-154-C	358	426.63	446424.96	5424499.81
Teck_2014_UplandSoil	ADA-155	273	325.34	447068.93	5424510.59
Teck_2014_UplandSoil	ADA-156	321	382.54	448330.16	5424459.87
Teck_2014_UplandSoil	ADA-158-A	254	302.69	450891.77	5424829.20
Teck_2014_UplandSoil	ADA-158-B	318	378.96	450908.04	5424778.97
Teck_2014_UplandSoil	ADA-158-C	424	505.29	450869.49	5424795.40
Teck_2014_UplandSoil	ADA-159-A	394	469.53	448001.19	5425158.28
Teck_2014_UplandSoil	ADA-159-B	505	601.81	448039.48	5425126.24
Teck_2014_UplandSoil	ADA-159-C	426	507.67	448030.09	5425082.76
Teck_2014_UplandSoil	ADA-160	282	348.33	449285.64	5425128.87
Teck_2014_UplandSoil	ADA-161	329	432.38	450672.59	5426008.88
Teck_2014_UplandSoil	ADA-162	956	1224.23	452001.67	5425721.97
Teck_2014_UplandSoil	ADA-164	424	505.29	454291.44	5425621.71
Teck_2014_UplandSoil	ADA-165	482	574.41	451970.55	5426465.76
Teck_2014_UplandSoil	ADA-168	268	319.38	454736.09	5427633.42
Teck_2014_UplandSoil	ADA-169-A	55.1	65.66	463116.51	5421657.07
Teck_2014_UplandSoil	ADA-169-B	65.1	77.58	463099.86	5421654.23
Teck_2014_UplandSoil	ADA-169-C	54.7	65.19	463086.26	5421676.60
Teck_2014_UplandSoil	ADA-170	92.8	110.59	461139.20	5422256.53
Teck_2014_UplandSoil	ADA-171	81.1	96.65	461111.06	5422860.89
Teck_2014_UplandSoil	ADA-172	59.1	70.43	466221.97	5422885.95
Teck_2014_UplandSoil	ADA-173-A	66.7	79.49	462347.18	5423522.85
Teck_2014_UplandSoil	ADA-173-B	81.7	97.36	462373.83	5423547.37
Teck_2014_UplandSoil	ADA-173-C	80.7	96.17	462363.84	5423549.60
Teck_2014_UplandSoil	ADA-174	65.6	78.18	463357.73	5423907.06
Teck_2014_UplandSoil	ADA-175	70.8	84.37	464902.99	5423841.07

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2014_UplandSoil	ADA-176	67.2	80.08	465577.16	5423872.26
Teck_2014_UplandSoil	ADA-177	60.9	72.58	466824.04	5424006.60
Teck_2014_UplandSoil	ADA-178	47.4	56.49	466252.63	5424581.36
Teck_2014_UplandSoil	ADA-179	57.3	68.29	463941.11	5424772.17
Teck_2014_UplandSoil	ADA-180	110	131.09	463390.86	5425403.66
Teck_2014_UplandSoil	ADA-181	86	102.49	464924.51	5426046.15
Teck_2014_UplandSoil	ADA-182	34.8	41.47	464328.05	5426703.96
Teck_2014_UplandSoil	ADA-183	49.6	59.11	468128.82	5426440.83
Teck_2014_UplandSoil	ADA-184	72.1	85.92	467752.89	5427343.69
Teck_2015_Bossburg	UDU-01	358	365.20	422970.59	5400921.65
Teck_2015_Bossburg	UDU-02	543	511.80	422944.51	5400831.60
Teck_2015_Bossburg	UDU-03	358	306.52	422855.78	5400798.99
Teck_2015_Bossburg	UDU-04-A	2560	3319.48	422878.66	5400863.19
Teck_2015_Bossburg	UDU-04-B	3770	4888.46	422870.90	5400877.53
Teck_2015_Bossburg	UDU-04-C	1380	1789.41	422877.82	5400874.37
Teck_2015_Bossburg	UDU-05	83	79.45	423537.61	5401376.80
Teck_2015_Bossburg	UDU-06	42.5	34.65	422239.21	5400859.63
Teck_2016_ResSoil	075-H1	112	81.90		
Teck_2016_ResSoil	075-O1	315	265.10		
Teck_2016_ResSoil	076-G1	101	85.00		
Teck_2016_ResSoil	076-G2	113	95.10		
Teck_2016_ResSoil	076-H1	111	93.40		
Teck_2016_ResSoil	076-H2	109	91.70		
Teck_2016_ResSoil	076-N1	187	157.40		
Teck_2016_ResSoil	077-A1	38.3	32.20		
Teck_2016_ResSoil	077-A2	37.2	31.30		
Teck_2016_ResSoil	077-G1	33.8	28.40		
Teck_2016_ResSoil	077-H1	43.2	36.40		
Teck_2016_ResSoil	077-H2	44.2	37.20		
Teck_2016_ResSoil	077-N1	41.3	34.80		
Teck_2016_ResSoil	216	269.8	310.40		
Teck_2016_ResSoil	078-H1	29.2	24.60		
Teck_2016_ResSoil	078-N1	31.9	26.80		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2016_ResSoil	078-O1	38.1	32.10		
Teck_2016_ResSoil	079-H1	83	69.90		
Teck_2016_ResSoil	079-H2	145	122.00		
Teck_2016_ResSoil	080-H1	28.1	23.70		
Teck_2016_ResSoil	081-A1	43.1	36.30		
Teck_2016_ResSoil	081-H1	54.1	45.50		
Teck_2016_ResSoil	081-O1	150	126.30		
Teck_2016_ResSoil	082-G1	27.1	22.80		
Teck_2016_ResSoil	082-G2	48.8	41.10		
Teck_2016_ResSoil	082-H1	49.6	41.70		
Teck_2016_ResSoil	082-N1	42.1	35.40		
Teck_2016_ResSoil	082-N2	51	42.90		
Teck_2016_ResSoil	083-G1	42.1	35.40		
Teck_2016_ResSoil	083-G2	36.4	30.60		
Teck_2016_ResSoil	083-H1	52.8	44.40		
Teck_2016_ResSoil	084-H1	44.6	37.50		
Teck_2016_ResSoil	170	9.2	8.60		
Teck_2016_ResSoil	085-O1	94.7	79.70		
Teck_2016_ResSoil	085-P1	144	157.20		
Teck_2016_ResSoil	086-G1	85.7	72.10		
Teck_2016_ResSoil	086-H1	72.3	60.90		
Teck_2016_ResSoil	086-H2	110	92.60		
Teck_2016_ResSoil	172U	506	294.00		
Teck_2016_ResSoil	087-O1	110	92.60		
Teck_2016_ResSoil	175	140.7	171.30		
Teck_2016_ResSoil	088-H2	189	159.10		
Teck_2016_ResSoil	088-O1	162	136.40		
Teck_2016_ResSoil	174M	22.3	23.70		
Teck_2016_ResSoil	089-H1	113	95.10		
Teck_2016_ResSoil	089-O1	71.7	60.30		
Teck_2016_ResSoil	176G	133	140.20		
Teck_2016_ResSoil	090-O2	187	157.40		
Teck_2016_ResSoil	091-G1	96.6	81.30		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2016_ResSoil	091-H1	66.6	56.10		
Teck_2016_ResSoil	206	125.7	142.40		
Teck_2016_ResSoil	092-O2	121	101.80		
Teck_2016_ResSoil	208AA	170.7	173.30		
Teck_2016_ResSoil	094-H1	95.3	80.20		
Teck_2016_ResSoil	094-P1	110	77.20		
Teck_2016_ResSoil	185	184.7	196.70		
Teck_2016_ResSoil	095-H1	141	118.70		
Teck_2016_ResSoil	095-O1	181	149.30		
Teck_2016_ResSoil	095-O2	211	177.60		
Teck_2016_ResSoil	185G	66.7	71.00		
Teck_2016_ResSoil	096-O1	315	312.90		
Teck_2016_ResSoil	189	136.2	154.30		
Teck_2016_ResSoil	097-H2	140	117.80		
Teck_2016_ResSoil	192	242	262.40		
Teck_2016_ResSoil	098-H1	40.9	34.40		
Teck_2016_ResSoil	098-O1	27	22.70		
Teck_2016_ResSoil	193	131.7	140.20		
Teck_2016_ResSoil	099-G2	75.3	63.40		
Teck_2016_ResSoil	099-H1	172	144.80		
Teck_2016_ResSoil	099-O1	170	170.60		
Teck_2016_ResSoil	100-G1	43.3	46.10		
Teck_2016_ResSoil	100-H1	132	140.60		
Teck_2016_ResSoil	100-N1	83	88.40		
Teck_2016_ResSoil	100-N2	69.1	73.60		
Teck_2016_ResSoil	100-O1	130	138.50		
Teck_2016_ResSoil	218	12	15.60		
Teck_2016_ResSoil	101-H1	156	131.30		
Teck_2016_ResSoil	101-O1	183	209.50		
Teck_2016_ResSoil	102-G1	67.1	56.50		
Teck_2016_ResSoil	102-H1	35.6	30.00		
Teck_2016_ResSoil	103-H1	114	118.00		
Teck_2016_ResSoil	103-O1	118	99.30		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2016_ResSoil	201	391.7	447.10		
Teck_2016_ResSoil	104-H2	155	165.10		
Teck_2016_ResSoil	104-N1	141	150.20		
Teck_2016_ResSoil	201G	12	13.10		
Teck_2016_ResSoil	105-P1	204	217.30		
Teck_2016_ResSoil	229	45.6	48.60		
Teck_2016_ResSoil	106-G2	33.9	28.50		
Teck_2016_ResSoil	106-H1	22.1	18.60		
Teck_2016_ResSoil	106-O1	29.6	24.90		
Teck_2016_ResSoil	230G	75.2	80.10		
Teck_2016_ResSoil	108-H1	86.5	72.80		
Teck_2016_ResSoil	108-O1	142	119.50		
Teck_2016_ResSoil	108-O2	64.1	54.00		
Teck_2016_ResSoil	109-H1	9.2	9.80		
Teck_2016_ResSoil	110-A1	109	91.70		
Teck_2016_ResSoil	110-G1	80.5	67.80		
Teck_2016_ResSoil	110-G2	36.6	30.80		
Teck_2016_ResSoil	110-H1	69.9	58.80		
Teck_2016_ResSoil	110-O1	54.8	46.10		
Teck_2016_ResSoil	110-O2	95.9	80.70		
Teck_2016_ResSoil	111-H1	39.4	42.00		
Teck_2016_ResSoil	112-G1	91.4	97.30		
Teck_2016_ResSoil	112-H1	80.2	85.40		
Teck_2016_ResSoil	112-O1	273	297.10		
Teck_2016_ResSoil	196	12	13.00		
Teck_2016_ResSoil	113-G2	226	190.20		
Teck_2016_ResSoil	113-G3	90.7	76.30		
Teck_2016_ResSoil	113-O1	146	122.90		
Teck_2016_ResSoil	114-G1	348	292.90		
Teck_2016_ResSoil	114-H1	389	327.40		
Teck_2016_ResSoil	114-O1	374	263.00		
Teck_2016_ResSoil	115-O1	371	395.10		
Teck_2016_ResSoil	116-O1	161	135.50		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2016_ResSoil	117-O1	18.8	15.80		
Teck_2016_ResSoil	118-G1	31.3	26.30		
Teck_2016_ResSoil	118-G2	26	21.90		
Teck_2016_ResSoil	118-H1	26	21.90		
Teck_2016_ResSoil	118-N1	56	47.10		
Teck_2016_ResSoil	118-N2	90.6	76.30		
Teck_2016_ResSoil	231	106.9	125.50		
Teck_2016_ResSoil	231Lower	129.7	138.00		
Teck_2016_ResSoil	120-G1	51.7	55.10		
Teck_2016_ResSoil	120-H1	54.8	58.40		
Teck_2016_ResSoil	120-O1	87.6	93.30		
Teck_2016_ResSoil	121-G1	37	31.10		
Teck_2016_ResSoil	121-H1	52.4	44.10		
Teck_2016_ResSoil	121-N1	25.7	21.60		
Teck_2016_ResSoil	121-N2	46.5	39.10		
Teck_2016_ResSoil	154	62.3	66.30		
Teck_2016_ResSoil	122-G2	69.8	58.70		
Teck_2016_ResSoil	122-H1	136	114.50		
Teck_2016_ResSoil	122-H2	79	66.50		
Teck_2016_ResSoil	122-O1	199	167.50		
Teck_2016_ResSoil	122-O2	291	244.90		
Teck_2016_ResSoil	122-P1	371	320.90		
Teck_2016_ResSoil	246	27.4	29.20		
Teck_2016_ResSoil	123-G2	111	93.40		
Teck_2016_ResSoil	123-H1	86.1	72.50		
Teck_2016_ResSoil	123-O1	120	101.00		
Teck_2016_ResSoil	123-O2	262	220.50		
Teck_2016_ResSoil	124-G1	33.3	28.00		
Teck_2016_ResSoil	124-G2	91.1	76.70		
Teck_2016_ResSoil	124-H1	41.7	35.10		
Teck_2016_ResSoil	124-N1	32.8	27.60		
Teck_2016_ResSoil	124-N2	10.1	8.50		
Teck_2016_ResSoil	124-O1	91	76.60		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2016_ResSoil	18	12	10.80		
Teck_2016_ResSoil	249	80.7	85.90		
Teck_2016_ResSoil	126-G1	58.3	49.10		
Teck_2016_ResSoil	126-G2	50.1	42.20		
Teck_2016_ResSoil	126-H1	26.2	22.10		
Teck_2016_ResSoil	126-O1	58	48.80		
Teck_2016_ResSoil	126-O2	30.2	25.40		
Teck_2016_ResSoil	126-O3	59.4	50.00		
Teck_2016_ResSoil	126-P1	33.4	28.10		
Teck_2016_ResSoil	127-A1	140	117.80		
Teck_2016_ResSoil	127-G1	75.1	63.20		
Teck_2016_ResSoil	127-G2	77.1	64.90		
Teck_2016_ResSoil	127-H1	115	96.80		
Teck_2016_ResSoil	127-H2	50.5	42.50		
Teck_2016_ResSoil	127-N1	141	118.70		
Teck_2016_ResSoil	253	104.1	110.00		
Teck_2016_ResSoil	128-G2	64.4	68.60		
Teck_2016_ResSoil	128-G3	37.5	39.90		
Teck_2016_ResSoil	128-N1	113	120.30		
Teck_2016_ResSoil	128-O1	65	69.20		
Teck_2016_ResSoil	129-H1	279	297.10		
Teck_2016_ResSoil	129-H2	315	335.50		
Teck_2016_ResSoil	130-G1	44.3	37.30		
Teck_2016_ResSoil	130-H1	21.1	17.80		
Teck_2016_ResSoil	130-H2	63.1	53.10		
Teck_2016_ResSoil	131-H1	161	135.50		
Teck_2016_ResSoil	287	176.3	150.20		
Teck_2016_ResSoil	132-G2	8.9	7.50		
Teck_2016_ResSoil	132-H1	34	28.60		
Teck_2016_ResSoil	132-O1	39.5	33.20		
Teck_2016_ResSoil	284M	139.7	152.70		
Teck_2016_ResSoil	133-H1	101	107.60		
Teck_2016_ResSoil	288G1	73.4	78.20		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2016_ResSoil	315	35.4	37.70		
Teck_2016_ResSoil	135-H1	159	169.30		
Teck_2016_ResSoil	135-O1	107	114.00		
Teck_2016_ResSoil	317	214	227.90		
Teck_2016_ResSoil	136-G1	29.7	25.00		
Teck_2016_ResSoil	136-H1	40.8	34.30		
Teck_2016_ResSoil	136-O1	192	204.50		
Teck_2016_ResSoil	317M	464.7	494.80		
Teck_2016_ResSoil	137-O2	145	122.00		
Teck_2016_ResSoil	138-G1	42.2	35.50		
Teck_2016_ResSoil	138-G2	57.2	48.10		
Teck_2016_ResSoil	138-H1	33.9	28.50		
Teck_2016_ResSoil	138-O1	29	24.40		
Teck_2016_ResSoil	138-O2	54.1	45.50		
Teck_2016_ResSoil	325	35.5	37.80		
Teck_2016_ResSoil	139-G2	47.1	39.60		
Teck_2016_ResSoil	139-H1	50.7	42.70		
Teck_2016_ResSoil	139-N1	54.1	45.50		
Teck_2016_ResSoil	140-G1	247	263.10		
Teck_2016_ResSoil	140-H1	9.2	9.80		
Teck_2016_ResSoil	140-O1	464	494.20		
Teck_2016_ResSoil	140-O2	9.2	9.80		
Teck_2016_ResSoil	999G1	80.7	85.90		
Teck_2016_ResSoil	141-H1	81.6	68.70		
Teck_2016_ResSoil	141-H2	95.6	80.50		
Teck_2016_ResSoil	141-H3	77.4	65.10		
Teck_2016_ResSoil	141-N1	35	29.50		
Teck_2016_ResSoil	141-N2	49.6	41.70		
Teck_2016_ResSoil	141-N3	14.8	12.50		
Teck_2016_ResSoil	141-N4	45.6	38.40		
Teck_2016_ResSoil	141-O1	52.2	43.90		
Teck_2016_ResSoil	1001	445	408.40		
Teck_2016_ResSoil	142-O1	82.2	69.20		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2016_ResSoil	143-A1	61.8	52.00		
Teck_2016_ResSoil	143-G1	78.4	66.00		
Teck_2016_ResSoil	143-G2	55.7	46.90		
Teck_2016_ResSoil	143-H1	83.9	70.60		
Teck_2016_ResSoil	144-G1	117	98.50		
Teck_2016_ResSoil	144-H1	167	140.60		
Teck_2016_ResSoil	1005	114	112.10		
Teck_2016_ResSoil	145-H1	190	159.90		
Teck_2016_ResSoil	146-H1	1720	1803.10		
Teck_2016_ResSoil	147-G1	70.9	59.70		
Teck_2016_ResSoil	147-G2	101	85.00		
Teck_2016_ResSoil	147-H1	99	83.30		
Teck_2016_ResSoil	148-H1	57.5	48.40		
Teck_2016_ResSoil	148-O1	73.3	61.70		
Teck_2016_ResSoil	148-O3	125	105.20		
Teck_2016_ResSoil	149-A1	55.3	46.50		
Teck_2016_ResSoil	149-G1	58.2	49.00		
Teck_2016_ResSoil	149-G2	64.7	54.50		
Teck_2016_ResSoil	149-H1	87	73.20		
Teck_2016_ResSoil	149-N1	40.9	34.40		
Teck_2016_ResSoil	345	100	103.90		
Teck_2016_ResSoil	150-H1	45.1	38.00		
Teck_2016_ResSoil	151-H1	120	101.00		
Teck_2016_ResSoil	801	228.3	239.90		
Teck_2016_ResSoil	152-H1	197	165.80		
Teck_2016_ResSoil	153-G1	99.2	105.60		
Teck_2016_ResSoil	153-H1	265	282.20		
Teck_2016_ResSoil	153-O1	296	222.50		
Teck_2016_ResSoil	153-O2	354	372.30		
Teck_2016_ResSoil	153-O3	207	220.50		
Teck_2016_ResSoil	153-O5	286	304.60		
Teck_2016_ResSoil	153-O6	95.7	101.90		
Teck_2016_ResSoil	153-O7	339	361.00		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2016_ResSoil	153-P1	263	280.10		
Teck_2016_ResSoil	154-G1	25.4	21.40		
Teck_2016_ResSoil	154-H1	25.9	21.80		
Teck_2016_ResSoil	155-G1	166	139.70		
Teck_2016_ResSoil	155-G2	109	91.70		
Teck_2016_ResSoil	155-H1	62.3	52.40		
Teck_2016_ResSoil	155-H2	200	168.30		
Teck_2016_ResSoil	155-O2	322	271.00		
Teck_2016_ResSoil	156-H1	97.1	81.70		
Teck_2016_ResSoil	156-O1	173	145.60		
Teck_2016_ResSoil	157-G1	49.5	41.70		
Teck_2016_ResSoil	157-H1	110	92.60		
Teck_2016_ResSoil	157-H2	75	63.10		
Teck_2016_ResSoil	157-O1	79.8	67.20		
Teck_2016_ResSoil	158-H1	40.2	33.80		
Teck_2016_ResSoil	158-O1	60.8	51.20		
Teck_2016_ResSoil	159-G1	83.6	70.40		
Teck_2016_ResSoil	159-H1	70.9	59.70		
Teck_2016_ResSoil	159-H2	120	101.00		
Teck_2016_ResSoil	159-O1	52.6	44.30		
Teck_2016_ResSoil	159-O2	60.9	51.30		
Teck_2016_ResSoil	160-G1	155	130.50		
Teck_2016_ResSoil	160-H1	95.4	80.30		
Teck_2016_ResSoil	160-H2	89.2	75.10		
Teck_2016_ResSoil	161-H1	154	129.60		
Teck_2016_ResSoil	161-N1	120	101.00		
Teck_2016_ResSoil	162-H1	96	80.80		
Teck_2016_ResSoil	163-G1	63	53.00		
Teck_2016_ResSoil	163-O1	84.4	71.00		
Teck_2016_ResSoil	164-H1	155	130.50		
Teck_2016_ResSoil	165-H1	36.8	13.20		
Teck_2016_ResSoil	165-O1	135	62.60		
Teck_2016_ResSoil	166-O1	402	253.90		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2016_ResSoil	167-O1	118	99.30		
Teck_2016_ResSoil	167-O2	184	154.90		
Teck_2016_ResSoil	167-O3	266	223.90		
Teck_2016_ResSoil	167-O4	181	175.90		
Teck_2016_ResSoil	167-O5	211	224.40		
Teck_2016_ResSoil	167-O6	293	246.60		
Teck_2016_ResSoil	167-O7	472	397.30		
Teck_2016_ResSoil	167-O8	244	205.40		
Teck_2016_ResSoil	167-O9	234	197.00		
Teck_2016_ResSoil	168-G1	44.6	37.50		
Teck_2016_ResSoil	168-G2	45.2	38.00		
Teck_2016_ResSoil	168-H1	34.2	28.80		
Teck_2016_ResSoil	168-N1	38.9	32.70		
Teck_2016_ResSoil	168-O1	57.3	48.20		
Teck_2016_ResSoil	169-G2	43.4	36.50		
Teck_2016_ResSoil	169-G3	65.1	54.80		
Teck_2016_ResSoil	169-G4	62.1	52.30		
Teck_2016_ResSoil	169-H1	49.3	41.50		
Teck_2016_ResSoil	170-G1	56.2	47.30		
Teck_2016_ResSoil	170-G2	139	117.00		
Teck_2016_ResSoil	170-H1	91.6	77.10		
Teck_2016_ResSoil	171-A1	185	155.70		
Teck_2016_ResSoil	171-G1	286	240.70		
Teck_2016_ResSoil	171-H1	236	233.60		
Teck_2016_ResSoil	173-G1	58.5	49.20		
Teck_2016_ResSoil	173-G2	20.2	17.00		
Teck_2016_ResSoil	173-G3	103	86.70		
Teck_2016_ResSoil	173-G4	143	120.40		
Teck_2016_ResSoil	173-G5	31	26.10		
Teck_2016_ResSoil	173-H1	162	136.40		
Teck_2016_ResSoil	173-P1	208	175.10		
Teck_2016_ResSoil	174-A1	85.5	72.00		
Teck_2016_ResSoil	174-G1	93.8	78.90		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2016_ResSoil	174-H1	213	179.30		
Teck_2016_ResSoil	175-G1	91.8	77.30		
Teck_2016_ResSoil	175-G2	31.8	26.80		
Teck_2016_ResSoil	175-H1	89.7	75.50		
Teck_2016_ResSoil	176-A1	46.7	39.30		
Teck_2016_ResSoil	176-H1	59.8	50.30		
Teck_2016_ResSoil	176-H2	34.5	29.00		
Teck_2016_ResSoil	176-P1	46.4	39.10		
Teck_2016_ResSoil	178-H1	34.6	29.10		
Teck_2016_ResSoil	179-H1	98.6	83.00		
Teck_2016_ResSoil	180-H1	396	421.70		
Teck_2016_ResSoil	180-H2	9.2	9.80		
Teck_2016_ResSoil	180-O1	526	479.50		
Teck_2016_ResSoil	181-A1	99.6	106.10		
Teck_2016_ResSoil	181-G1	45.7	48.70		
Teck_2016_ResSoil	181-G2	105	111.80		
Teck_2016_ResSoil	181-H1	114	121.40		
Teck_2016_ResSoil	181-H2	108	115.00		
Teck_2016_ResSoil	181-N1	119	126.70		
Teck_2016_ResSoil	181-N2	130	138.50		
Teck_2016_ResSoil	181-O1	53.8	57.30		
Teck_2016_ResSoil	182-G1	237	199.50		
Teck_2016_ResSoil	182-G2	195	179.70		
Teck_2016_ResSoil	182-H1	161	138.50		
Teck_2016_ResSoil	182-H2	159	133.80		
Teck_2016_ResSoil	182-O1	131	110.30		
Teck_2016_ResSoil	182-O2	215	186.00		
Teck_2016_ResSoil	182-O3	212	178.40		
Teck_2016_ResSoil	184-H1	177	188.50		
Teck_2016_ResSoil	185-A1	40.2	33.80		
Teck_2016_ResSoil	185-H1	38.7	32.60		
Teck_2016_ResSoil	186-O1	416	350.10		
Teck_2016_ResSoil	187-H1	172	107.50		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2016_ResSoil	188-A1	93	78.30		
Teck_2016_ResSoil	188-G1	139	117.00		
Teck_2016_ResSoil	188-G2	145	122.00		
Teck_2016_ResSoil	188-G3	73.3	61.70		
Teck_2016_ResSoil	188-H1	46.4	39.10		
Teck_2016_ResSoil	188-P1	67.3	56.60		
Teck_2016_ResSoil	189-G1	52.3	44.00		
Teck_2016_ResSoil	189-H1	90.7	76.30		
Teck_2016_ResSoil	189-H2	123	103.50		
Teck_2016_ResSoil	189-O1	108	119.90		
Teck_2016_ResSoil	190-G1	21.7	18.30		
Teck_2016_ResSoil	190-H1	49.3	41.50		
Teck_2016_ResSoil	190-N1	32	26.90		
Teck_2016_ResSoil	190-N2	29	24.40		
Teck_2016_ResSoil	190-N3	24.9	21.00		
Teck_2016_ResSoil	190-O1	74.6	62.80		
Teck_2016_ResSoil	191-H1	251	211.30		
Teck_2016_ResSoil	192-A1	44.5	37.50		
Teck_2016_ResSoil	192-G1	33.8	28.40		
Teck_2016_ResSoil	192-H1	40.4	34.00		
Teck_2016_ResSoil	193-G1	22.1	18.60		
Teck_2016_ResSoil	193-H1	25.4	21.40		
Teck_2016_ResSoil	194-H1	32.6	27.40		
Teck_2016_ResSoil	194-N1	40.6	34.20		
Teck_2016_ResSoil	195-G1	92.5	77.90		
Teck_2016_ResSoil	195-G2	184	154.90		
Teck_2016_ResSoil	195-O1	232	195.30		
Teck_2016_ResSoil	196-A1	68.3	57.50		
Teck_2016_ResSoil	196-A2	81.6	68.70		
Teck_2016_ResSoil	196-G1	56.7	47.70		
Teck_2016_ResSoil	196-O1	82	69.00		
Teck_2016_ResSoil	197-H1	166	140.80		
Teck_2016_ResSoil	198-G1	101	78.30		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2016_ResSoil	198-H1	200	168.30		
Teck_2016_ResSoil	199-G1	17.5	14.70		
Teck_2016_ResSoil	199-O1	31.5	26.50		
Teck_2016_ResSoil	200-G1	35.5	29.90		
Teck_2016_ResSoil	200-H1	34.6	29.10		
Teck_2016_ResSoil	200-O1	32.9	27.70		
Teck_2016_ResSoil	201-O1	305	324.80		
Teck_2016_ResSoil	202-H1	206	173.40		
Teck_2016_ResSoil	202-N1	68.8	57.90		
Teck_2016_ResSoil	202-O1	144	137.00		
Teck_2016_ResSoil	203-H1	9.2	9.80		
Teck_2016_ResSoil	203-O1	9.2	9.80		
Teck_2016_ResSoil	203-O2	450	479.30		
Teck_2016_ResSoil	205-O1	476	506.90		
Teck_2016_ResSoil	206-A1	138	116.20		
Teck_2016_ResSoil	206-G1	59.9	50.40		
Teck_2016_ResSoil	206-H1	21.4	18.00		
Teck_2016_ResSoil	206-H2	295	285.20		
Teck_2016_ResSoil	206-O1	300	252.50		
Teck_2016_ResSoil	207-O1	141	110.90		
Teck_2016_ResSoil	208-H1	248	264.10		
Teck_2016_ResSoil	209-G1	267	238.50		
Teck_2016_ResSoil	209-H1	368	391.90		
Teck_2016_ResSoil	209-P1	486	517.60		
Teck_2016_ResSoil	210-H1	105	113.60		
Teck_2016_ResSoil	210-O1	152	127.90		
Teck_2016_ResSoil	211-A1	85.4	71.90		
Teck_2016_ResSoil	211-G1	45.9	38.60		
Teck_2016_ResSoil	211-G2	53.1	44.70		
Teck_2016_ResSoil	211-H1	84	70.70		
Teck_2016_ResSoil	211-O1	151	127.10		
Teck_2016_ResSoil	212-H1	256	188.60		
Teck_2016_ResSoil	212-H2	222	149.10		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
Teck_2016_ResSoil	213-O1	33.3	35.50		
Teck_2016_ResSoil	213-O2	79.2	84.30		
Teck_2016_ResSoil	213-O3	54	57.50		
Teck_2016_ResSoil	3000	25	26.60		
Teck_2016_ResSoil	801-O2	37	14.90		
Teck_2016_ResSoil	801-O3	37	31.10		
Teck_2016_ResSoil	802-O1	178.7	150.00		
Teck_2016_ResSoil	803-O1	530.7	446.00		
Teck_2016_ResSoil	803-O2	369.3	315.00		
Teck_2016_ResSoil	803-O3	279	235.00		
Teck_2016_ResSoil	804-O1	121.3	102.00		
Teck_2016_ResSoil	804-O2	302	254.00		
Teck_2016_ResSoil	805-O1	45.4	38.20		
Teck_2016_ResSoil	805-O2	54.1	45.50		
Teck_2016_ResSoil	806-O1	33.7	28.40		
Teck_2016_ResSoil	806-O2	35.2	29.60		
Teck_2016_ResSoil	806-O3	60.2	50.60		
Teck_2016_ResSoil	806-O4	43.9	36.90		
Teck_2016_ResSoil	806-O5	44.4	37.40		
Teck_2016_ResSoil	807-O1	34.5	29.10		
Teck_2016_ResSoil	808-O1	40.1	33.70		
Teck_2016_ResSoil	808-O2	42.6	35.80		
USEPA_2014_ResSoil	9	86.2	91.80		
USEPA_2014_ResSoil	13	86.7	92.30		
USEPA_2014_ResSoil	14	74.2	79.00		
USEPA_2014_ResSoil	15	87.9	93.60		
USEPA_2014_ResSoil	16	335	356.00		
USEPA_2014_ResSoil	17	141.3	150.50		
USEPA_2014_ResSoil	40	12	14.00		
USEPA_2014_ResSoil	42	179.3	229.70		
USEPA_2014_ResSoil	44	93.6	99.70		
USEPA_2014_ResSoil	46	169.6	186.50		
USEPA_2014_ResSoil	47	193	222.30		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
USEPA_2014_ResSoil	1015	44.7	47.60		
USEPA_2014_ResSoil	1017	118.3	139.20		
USEPA_2014_ResSoil	1018	48.7	51.90		
USEPA_2014_ResSoil	49	12	13.70		
USEPA_2014_ResSoil	60	55.6	59.20		
USEPA_2014_ResSoil	61	130	137.20		
USEPA_2014_ResSoil	22	102	118.90		
USEPA_2014_ResSoil	25	51.1	54.50		
USEPA_2014_ResSoil	27	127	135.20		
USEPA_2014_ResSoil	28	46	49.00		
USEPA_2014_ResSoil	29	40.1	42.70		
USEPA_2014_ResSoil	30	48.4	51.60		
USEPA_2014_ResSoil	31	257	255.80		
USEPA_2014_ResSoil	33	219	206.40		
USEPA_2014_ResSoil	35	12	14.60		
USEPA_2014_ResSoil	39	12	14.00		
USEPA_2014_ResSoil	35PA	12	12.30		
USEPA_2014_ResSoil	226C	315.7	393.70		
USEPA_2014_ResSoil	55	63	67.10		
USEPA_2014_ResSoil	56	164.3	185.90		
USEPA_2014_ResSoil	58	68.8	73.30		
USEPA_2014_ResSoil	59	194	206.60		
USEPA_2014_ResSoil	59A	278	335.30		
USEPA_2014_ResSoil	62	105.5	118.10		
USEPA_2014_ResSoil	62G	66.3	70.60		
USEPA_2014_ResSoil	66	143	141.10		
USEPA_2014_ResSoil	67	185.7	174.50		
USEPA_2014_ResSoil	70	166.4	203.10		
USEPA_2014_ResSoil	71	111.7	127.00		
USEPA_2014_ResSoil	72M	239	253.90		
USEPA_2014_ResSoil	72U	103	109.70		
USEPA_2014_ResSoil	75	495	381.80		
USEPA_2014_ResSoil	82	51.4	54.70		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
USEPA_2014_ResSoil	85	53.9	57.40		
USEPA_2014_ResSoil	86	111	115.30		
USEPA_2014_ResSoil	87	93.5	99.50		
USEPA_2014_ResSoil	94M	69.4	73.90		
USEPA_2014_ResSoil	106	307.7	387.20		
USEPA_2014_ResSoil	107	159	169.30		
USEPA_2014_ResSoil	108	151	185.40		
USEPA_2014_ResSoil	109	12	7.70		
USEPA_2014_ResSoil	110	83.1	88.50		
USEPA_2014_ResSoil	111	66.1	70.40		
USEPA_2014_ResSoil	110G	39	41.50		
USEPA_2014_ResSoil	112	394.7	471.30		
USEPA_2014_ResSoil	112G	163	181.50		
USEPA_2014_ResSoil	113low	247	263.00		
USEPA_2014_ResSoil	113up	328.3	398.80		
USEPA_2014_ResSoil	21	98.9	104.10		
USEPA_2014_ResSoil	115SP	437	493.10		
USEPA_2014_ResSoil	21G	313.7	337.40		
USEPA_2014_ResSoil	116M	324.7	347.30		
USEPA_2014_ResSoil	121	151	148.30		
USEPA_2014_ResSoil	122	64.8	69.00		
USEPA_2014_ResSoil	123	308.4	336.20		
USEPA_2014_ResSoil	135	127.7	130.20		
USEPA_2014_ResSoil	146	76.5	81.40		
USEPA_2014_ResSoil	147	47.8	50.90		
USEPA_2014_ResSoil	146G	40.6	43.20		
USEPA_2014_ResSoil	151	12	14.10		
USEPA_2014_ResSoil	152	180.3	183.40		
USEPA_2014_ResSoil	160	144	153.40		
USEPA_2014_ResSoil	163	149	158.10		
USEPA_2014_ResSoil	164	124	118.00		
USEPA_2014_ResSoil	167	67.6	72.00		
USEPA_2014_ResSoil	163G	208	222.80		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
USEPA_2014_ResSoil	168	332.7	365.20		
USEPA_2014_ResSoil	169	250.3	266.60		
USEPA_2014_ResSoil	169A	239.3	238.90		
USEPA_2014_ResSoil	320new	456.3	555.70		
USEPA_2014_ResSoil	075-A1	83.3	70.10		
USEPA_2014_ResSoil	078-G1	45.1	38.00		
USEPA_2014_ResSoil	1030	9.2	10.10		
USEPA_2014_ResSoil	085-H1	71.4	60.10		
USEPA_2014_ResSoil	087-H1	61.4	51.70		
USEPA_2014_ResSoil	088-H1	219	184.30		
USEPA_2014_ResSoil	238G	44.3	47.10		
USEPA_2014_ResSoil	238M	32.8	34.90		
USEPA_2014_ResSoil	177	165.3	172.80		
USEPA_2014_ResSoil	089-A1	95.6	80.50		
USEPA_2014_ResSoil	176M	211.3	215.90		
USEPA_2014_ResSoil	090-H1	113	95.10		
USEPA_2014_ResSoil	208	152.5	162.40		
USEPA_2014_ResSoil	213	358	440.10		
USEPA_2014_ResSoil	092-O1	214	180.10		
USEPA_2014_ResSoil	208BM	105.7	112.50		
USEPA_2014_ResSoil	208G	101.8	92.00		
USEPA_2014_ResSoil	209A	130.7	115.70		
USEPA_2014_ResSoil	093-H1	80.7	67.90		
USEPA_2014_ResSoil	186	199	242.30		
USEPA_2014_ResSoil	095-A1	207	174.20		
USEPA_2014_ResSoil	096-H1	213	179.30		
USEPA_2014_ResSoil	1035	105	114.90		
USEPA_2014_ResSoil	1036	72.1	76.80		
USEPA_2014_ResSoil	1037	92.4	98.40		
USEPA_2014_ResSoil	097-H1	169	142.20		
USEPA_2014_ResSoil	1060	120	127.80		
USEPA_2014_ResSoil	098-G1	43.2	36.40		
USEPA_2014_ResSoil	194	12	12.80		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
USEPA_2014_ResSoil	1020	90.6	96.50		
USEPA_2014_ResSoil	1021	1361.3	1448.40		
USEPA_2014_ResSoil	099-A1	67.1	56.50		
USEPA_2014_ResSoil	101-G1	60.3	50.80		
USEPA_2014_ResSoil	104-H1	171	182.10		
USEPA_2014_ResSoil	203	12	12.40		
USEPA_2014_ResSoil	105-H1	99.3	105.80		
USEPA_2014_ResSoil	106-G1	33.8	28.40		
USEPA_2014_ResSoil	107-H1	278	234.00		
USEPA_2014_ResSoil	113-G1	204	171.70		
USEPA_2014_ResSoil	119-P1	259	275.80		
USEPA_2014_ResSoil	7	12	13.50		
USEPA_2014_ResSoil	120-A1	53.9	57.40		
USEPA_2014_ResSoil	122-G1	77.7	65.40		
USEPA_2014_ResSoil	123-G1	96.1	80.90		
USEPA_2014_ResSoil	20	12	12.80		
USEPA_2014_ResSoil	125-O1	83.2	70.00		
USEPA_2014_ResSoil	250	92.4	92.00		
USEPA_2014_ResSoil	126-A1	77	64.80		
USEPA_2014_ResSoil	128-G1	34.7	37.00		
USEPA_2014_ResSoil	132-G1	21.9	18.40		
USEPA_2014_ResSoil	285M	142.7	157.60		
USEPA_2014_ResSoil	288	64	68.20		
USEPA_2014_ResSoil	291	72.8	77.60		
USEPA_2014_ResSoil	306	80.9	86.10		
USEPA_2014_ResSoil	133-G1	147	156.60		
USEPA_2014_ResSoil	288G2	56.2	59.80		
USEPA_2014_ResSoil	289G3	71.6	76.30		
USEPA_2014_ResSoil	134-O1	545	580.40		
USEPA_2014_ResSoil	316	100.8	105.20		
USEPA_2014_ResSoil	135-G1	114	116.10		
USEPA_2014_ResSoil	318	422.8	450.30		
USEPA_2014_ResSoil	319	469.3	505.60		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
USEPA_2014_ResSoil	136-A1	32.4	27.30		
USEPA_2014_ResSoil	319M	12	13.90		
USEPA_2014_ResSoil	137-O1	215	181.00		
USEPA_2014_ResSoil	326	67.1	71.50		
USEPA_2014_ResSoil	327	46.7	49.70		
USEPA_2014_ResSoil	139-G1	55.5	46.70		
USEPA_2014_ResSoil	999M1	75	79.90		
USEPA_2014_ResSoil	999M2	52.7	56.10		
USEPA_2014_ResSoil	999M3	105.6	83.80		
USEPA_2014_ResSoil	72	235.7	230.40		
USEPA_2014_ResSoil	141-A1	46.3	39.00		
USEPA_2014_ResSoil	142-H1	116	97.60		
USEPA_2014_ResSoil	1006	86.5	92.10		
USEPA_2014_ResSoil	1007	48.7	51.90		
USEPA_2014_ResSoil	1008	85.9	91.50		
USEPA_2014_ResSoil	1010	104	110.80		
USEPA_2014_ResSoil	1011	132.3	146.20		
USEPA_2014_ResSoil	145-A1	73	61.40		
USEPA_2014_ResSoil	346	129.3	130.40		
USEPA_2014_ResSoil	347	254.7	312.70		
USEPA_2014_ResSoil	150-G1	52	43.80		
USEPA_2014_ResSoil	152-G1	165	114.10		
USEPA_2014_ResSoil	3001	393	371.00		
USEPA_2014_ResSoil	3003	275.7	294.50		
USEPA_2014_ResSoil	3004	76.9	81.90		
USEPA_2014_ResSoil	280	326	367.40		
USEPA_2014_ResSoil	280yard	303	302.90		
USEPA_2014_ResSoil	258	677.6	768.00		
USEPA_2014_ResSoil	259	226	241.00		
USEPA_2014_ResSoil	401	1120	1100.00		
USEPA_2014_ResSoil	402	542.3	578.00		
USEPA_2014_ResSoil	403	399.9	420.00		
USEPA_2014_ResSoil	410	370	394.00		

Table D-1
RBA-Adjusted Lead Concentrations for the Upland RI Data Set
Final Upland RI Report
Upper Columbia River, Washington

Study ID	DU	Measured Lead Concentration	RBA-Adjusted Lead Concentration	X Coordinate	Y Coordinate
USEPA_2014_ResSoil	412	503	594.00		
USEPA_2014_ResSoil	413	516.6	543.00		
USEPA_2014_ResSoil	420	422	518.00		
USEPA_2014_ResSoil	421	299.3	319.00		
USEPA_2014_ResSoil	430	246	262.00		
USEPA_2014_ResSoil	431	103.5	110.00		
USEPA_2014_ResSoil	432	279	307.00		
USEPA_2014_ResSoil	440	136.3	145.00		
USEPA_2014_ResSoil	441	624	738.00		
USEPA_2014_ResSoil	442	243	259.00		
USEPA_2014_ResSoil	801-O1	34.4	28.90		

Notes:

Triplicates for Teck_2014_UplandSoil and Teck_2015_Bossburg are shown as individual samples in this table. Triplicates for USEPA_2014_ResSoil and Teck_2016_ResSoil are provided as averages.

DU - decision unit

RBA - relative bioavailability



Table D-2.
Upland RI Data Set (provided in Excel format)